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CALUMET AND HECLA POWER PLANT SITE**

WORK PLAN

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TABLE OF CONTENTS

1.0	INTRODUCTION.....	1-1
1.1	SITE HISTORY	1-1
1.2	CURRENT SITE FEATURES	1-1
1.3	PRELIMINARY ACTIVITIES.....	1-1
2.0	AOC COMPLETED ACTIVITIES	2-1
2.1	2012 AND 2013 METALS SOIL INVESTIGATION	2-1
2.2	2014 METALS SOIL INVESTIGATION.....	2-1
2.3	ASBESTOS SOIL INVESTIGATION.....	2-2
2.4	ACTIVITY BASED ASBESTOS SAMPLING	2-2
2.5	SUPPORT ZONE CONSTRUCTION.....	2-3
2.6	INITIAL BERM AND DEBRIS PILE REMOVAL AND DISPOSAL	2-3
2.7	INTERIOR POWER PLANT ASBESTOS ABATEMENT AND DECONTAMINATION	2-3
2.8	POWER PLANT DEMOLITION.....	2-3
2.9	LOADING, TRANSPORTATION, AND DISPOSAL.....	2-4
3.0	PROPOSED REMEDIAL ACTIONS	3-1
3.1	FOUNDATION SURFACE CLEANING	3-1
3.2	CONTAMINATED SOIL.....	3-1
3.2.1	Restrictive Covenant	3-2
3.2.2	Remedial Activities	3-3
3.3	POWER PLANT BASEMENT WATER TREATMENT AND DISCHARGE	3-4
3.4	POWER PLANT BASEMENT DECONTAMINATION	3-5
3.5	AIR MONITORING.....	3-5
3.5.1	Perimeter Air Monitoring.....	3-6
3.5.2	Total Dust Monitoring	3-7
3.5.3	Personal Monitoring	3-8
3.6	UNDERGROUND UTILITY CORRIDORS	3-9
3.7	SITE RESTORATION	3-9
3.8	DUE CARE	3-9
4.0	SCHEDULE.....	4-1

Tables

Figures

Appendices

TABLES

Table 2.1	Metals Soil Sampling Results Summary
Table 2.2	Metals Duplicate Soil Sampling Results Summary
Table 2.3	Asbestos Soil Sampling Results Summary
Table 2.4	Activity Based Sampling Results Summary (High Areas)
Table 2.5	Activity Based Sampling Results Summary (Medium Areas)
Table 2.6	Activity Based Sampling Results Summary 2013
Table 2.7	Exposure Risk Scenarios

FIGURES

Figure 1.1	Site Location Map
Figure 1.2	Site Features
Figure 2.1	2012 & 2013 Soil Boring Locations
Figure 2.2	2012 & 2013 Metals Concentrations Exceeding Non-Residential Direct Contact Criteria Shallow Interval (0-0.5')
Figure 2.3	2012 & 2013 Metals Concentrations Exceeding Non-Residential Direct Contact Criteria Intermediate Interval (0.5-2')
Figure 2.4	2012 & 2013 Metals Concentrations Exceeding Non-Residential Direct Contact Criteria Deep Interval (2-5')
Figure 2.5	2014 Metals Sample Locations
Figure 2.6	2014 Metals Concentrations Exceeding Non-Residential Direct Contact Criteria Shallow Interval (0-0.5')
Figure 2.7	2014 Percent Asbestos Sample Locations
Figure 2.8	Asbestos in Soil >1% Shallow Interval (0-0.5')
Figure 2.9	Asbestos in Soil >1% Intermediate Interval (0.5-2')
Figure 2.10	Asbestos in Soil >1% Deep Interval (2-5')
Figure 2.11	Activity Based Sampling
Figure 2.12	Berm Locations
Figure 3.1	Soil Excavation Non-Residential Metals
Figure 3.2	Soil Excavation Activity Based Sampling
Figure 3.3	Soil Excavation Non-Residential Metals and ABS
Figure 3.4	Asbestos in Soil >1% Areas to be Covered
Figure 3.5	Utility Corridor Opening Locations

APPENDICES

Appendix A	Laboratory Analytical Data
Appendix B	Foundation Cleaning Site Walk Meeting Minutes
Appendix C	Standard Operating Procedure – Underground Utility Corridors
Appendix D	Schedule

LIST OF ACRONYMS

ABS:	Activity Based Sampling
ACM:	Asbestos Containing Material
Amec:	Amec Environment & Infrastructure, Inc.
AOC:	Administrative Order on Consent
ASTM:	American Society for Testing and Materials
CARB	California Air Response Board
C&H:	Calumet and Hecla
Cubic Meter:	m3
ft	Foot or Feet
f/cc:	Fibers per Cubic Centimeter
HASP:	Health and Safety Plan
Honeywell:	Honeywell International Inc. and Honeywell Specialty Materials, LLC.
MDEQ:	Michigan Department of Environmental Quality
NESHAP:	National Emission Standards for Hazardous Air Pollutants
NPDES:	National Pollution Discharge Elimination System
NRDCC:	Non-Residential Direct Contact Criteria
PCB:	Polychlorinated Biphenyl
PPE:	Personal Protective Equipment
%	Percent
RSL:	Regional Screening Level
Site:	Former Calumet and Hecla Power Plant Site
SOP:	Standard Operating Procedure
TEM:	Transmission Electron Microscopy
USEPA:	United States Environmental Protection Agency
VOC:	Volatile Organic Compound

1.0 INTRODUCTION

This Work Plan was prepared by Amec Environment & Infrastructure, Inc. (Amec) on behalf of Honeywell Specialty Materials, LLC (Honeywell) to outline activities that will be performed during site assessment and remedial action activities at the Calumet and Hecla (C&H) Power Plant Site (Site) located at 5371 Highway M-26 in Torch Lake Township, Houghton County, Michigan (Figure 1.1). The tasks described in this Work Plan address the activities required in Section VIII “Work to Be Performed” of the Administrative Settlement Agreement and Order on Consent (AOC) between Honeywell and the United States Environmental Protection Agency (USEPA) dated April 13, 2012.

1.1 SITE HISTORY

The Site is the location of a former industrial complex that crushed or “stamped” rock from nearby copper mines. The copper ore was recovered by the stamping process. Stamping operations began in 1868. In 1968 plant operations were terminated following an employee strike. Since then, the Site has been under private ownership and is currently owned by MENINC, Inc.

Previous investigations completed by the USEPA have identified elevated concentrations of five metals (antimony, arsenic, copper, iron, and lead) in Site soils as well as asbestos containing materials (ACMs)/debris scattered around the Site.

1.2 CURRENT SITE FEATURES

The Site occupies approximately 14 acres and lies along a portion of the western shoreline of Torch Lake (Figure 1.2). Formerly, the Site housed a number of buildings related to C&H's operations, including a Boiler House, Still House, Filter House, Stamp Mill, and Power Plant. Except for remnant building foundations, all of the structures associated with the industrial complex have been demolished, the last of which was the Power Plant building which was demolished in August 2013. A modular home owned by the property owner is located near the southwest corner of the Site and was serviced by electrical, water, and natural gas utilities. The property owner has vacated the modular home in response to Site activities.

1.3 PRELIMINARY ACTIVITIES

Under approval from the USEPA, Honeywell completed several preliminary activities at the Site prior to the AOC being signed. Preliminary activities began in October 2011 and included ambient air monitoring, a Site survey, perimeter fence installation, exterior visual asbestos assessment and abatement by hand, and Power Plant basement water sampling. The completed preliminary Site activities are described in the previously approved Work Plan, dated July 2012. Laboratory analytical results of the basement water samples are included in Appendix A. A summary of field activities completed under the AOC is presented in Section 2.0.

2.0 AOC COMPLETED ACTIVITIES

The following documents describing the means and methods used to complete on-site work activities were submitted to and approved by the USEPA: Health and Safety Plan (HASP) (May 2013), Work Plan (July 2012), Site Management Plan (October 2011), Field Sampling Plan (July 2012), Contingency Plan (October 2011), and a Historical Preservation Plan (May 2012). This section summarizes the field activities and results that have been completed under the AOC.

2.1 2012 AND 2013 METALS SOIL INVESTIGATION

In 2012, a 100-foot (ft) by 100-ft surveyed grid was established across the Site and marked on the surface with survey stakes. Each grid cell was identified using a unique numbering system. Soil sample locations consisted of a single boring, with each grid cell consisting of up to four sample locations. Boring locations were identified using a combination of grid cell number and compass direction abbreviation. A single grab sample was then obtained from each boring in the shallow (0-0.5 ft), intermediate (0.5-2 ft), and deep (2-5 ft) depth intervals. Areas where the surface consisted of remnant concrete foundations were not sampled. 2012 and 2013 sample locations are shown on Figure 2.1. Soil samples collected for metals analyses were analyzed for antimony, arsenic, copper, iron, and lead using USEPA Method 6020 and Method 6010B, accordingly.

Results

Of the 387 soil samples collected in 2012 and 2013, a total of 13 samples from 11 boring locations exceeded State of Michigan Part 201/213 Non-Residential Direct Contact Cleanup Criteria (NRDCC) for arsenic or lead or a combination of the two. Eight soil samples exceeded NRDCC in the shallow depth interval (three for arsenic, four for lead, and two for both arsenic and lead) as shown on Figure 2.2. Four soil samples exceeded NRDCC for arsenic and/or lead in the intermediate depth interval (one for arsenic, one for lead, and two for both arsenic and lead) as shown on Figure 2.3. One soil sample exceeded NRDCC for arsenic in the deep depth interval as shown on Figure 2.4. Analytical summary tables are included as Tables 2.1 and 2.2. Laboratory analytical results can be found in Appendix A.

2.2 2014 METALS SOIL INVESTIGATION

In May 2014, samples were collected from 28 previously sampled locations that exceeded the RCRA “20 Times Rule” for lead and/or arsenic. Samples were collected from the 0-0.5 ft and 0.5-2 ft intervals. A limited number of samples were collected from the 2-5 ft interval. These newly collected samples were analyzed for lead and/or arsenic. Those samples with lead or arsenic concentrations above the RCRA “20 Times Rule” were analyzed by toxicity characteristic leaching procedure analyses (TCLP) to assist in waste characterization for disposal purposes. 2014 metals sample locations are shown on Figure 2.5.

Results

Of the 59 soil samples collected in 2014, one sample exceeded NRDCC for lead in the shallow range, as shown on Figure 2.6. No other samples or intervals exceeded the NRDCC.

Analytical results are summarized in Table 2.1. Laboratory analytical results are included in Appendix A.

2.3 ASBESTOS SOIL INVESTIGATION

In conjunction with the 2012 metals investigation, composite soil samples were collected in each grid and analyzed for percentage asbestos fibers. The eleven (11) grids not sampled in 2012 were characterized for percent asbestos in May 2014 (Figure 2.7). Samples were collected from the 0-0.5 ft, 0.5-2, and 2-5 ft intervals. Soil samples were analyzed using transmission electron microscopy (TEM) USEPA Method 600/R-93/116 modified with California Air Resource Board (CARB) 435 Preparation.

Results

A total of 24 soil samples obtained from 17 grid cells during the 2012 and 2013 investigations exceeded 1 percent (%) asbestos concentration (Figures 2.8, 2.9, 2.10). Of the 11 grids sampled in 2014, no samples exceeded 1% asbestos concentration. Results of the asbestos soil investigation are summarized in Table 2.3. Laboratory analytical results are included in Appendix A.

2.4 ACTIVITY BASED ASBESTOS SAMPLING

As discussed in the previously approved Work Plan, the results of the exterior asbestos assessment conducted in November 2011 were qualified using “low”, “medium”, and “high” designations based on the occurrence of visual ACMs and the level of friability of the observed material within each grid cell. Activity Based Sampling (ABS) was completed across the grids designated as “high” and half of the grids designated as “medium” in September and October 2012 (Tables 2.4 and 2.5). ABS was completed across the remaining “medium” and “low” grids, as well as grids where no asbestos was observed during the asbestos assessment, in June 2014 (Table 2.6).

As described in the previously approved 2012 Work Plan, the Site will be restricted to non-residential activities; therefore, potential risk was assessed based on the following three exposure scenarios: Commercial Worker, Recreation Child, and Recreation Adult. As shown in Table 2.7, the Commercial Worker scenario is the most restrictive; therefore, ABS results were compared to the site-specific Commercial Worker Remediation Goal of 0.00842 fibers per cubic centimeter (f/cc).

Results

Seven grid cells exceeded the Site-specific Commercial Worker asbestos remediation goal of 0.00842 fibers per cubic centimeter (f/cc) (Tables 2.4, 2.5, and 2.6). Figure 2.11 shows the locations where ABS was completed and where results exceeded the criterion. There was no correlation between the percent asbestos found during the soil investigation and the ABS grids that were above the criterion. Laboratory analytical results are included in Appendix A.

2.5 SUPPORT ZONE CONSTRUCTION

In October and November 2012, a Support Zone was constructed in the northwest corner of the Site as shown on Figure 1.2. The original Support Zone was 230 feet by 210 feet and was constructed by removing approximately 2,049 tons of Site soil. For disposal purposes, it was assumed that the soil contained ACM and was removed from the Site and disposed as asbestos contaminated soil at K&W Landfill in Ontonagon, Michigan. See Section 2.8 for loading, transportation, and disposal methods. A demarcation layer was placed and the area was backfilled and compacted with one foot of common fill (approximately 2,795 tons) and one foot of 22A gravel (approximately 3,394 tons). The Support Zone was then extended an extra 100 feet to the east to create a sufficient roadway for trucks. The additional Support Zone area was graded and a demarcation fabric was placed followed by one foot of compacted 22A gravel (approximately 1,270 tons); no additional soil was removed for construction of the extended Support Zone.

2.6 INITIAL BERM AND DEBRIS PILE REMOVAL AND DISPOSAL

As shown on Figure 2.12, there were six berms on-site. In November 2012, Berms 1 – 4 and part of Berm 5 were removed and disposed as asbestos contaminated soil at K&W Landfill (2,649 tons). See Section 2.8 for loading, transportation, and disposal methods.

2.7 INTERIOR POWER PLANT ASBESTOS ABATEMENT AND DECONTAMINATION

In October and November 2012, the interior of the Power Plant building was abated and decontaminated. The majority of the ACM was double bagged and placed in roll-off boxes for disposal. A small area in the southeast corner of the building was bulk loaded with a skid-steer loader and placed directly into a lined roll-off box. Two negative pressure containments were constructed in the northwest corner of the building in the former bathroom/office area and on the mezzanine to remove asbestos containing plaster on the walls. A total of 41.68 tons of ACM was abated from the interior of the Power Plant building and disposed of as ACM at K&W Landfill. See Section 2.8 for loading, transportation, and disposal methods. In addition to the ACM, four five-gallon buckets of universal wastes, including light ballasts and a battery pack, were removed from the building and transported offsite in September 2013 via FedEx Ground for disposal at Veolia Environmental Services in Greenville, Wisconsin.

After completion of the asbestos abatement, polyethylene sheeting was placed over the openings and windows along the north, west, and south sides of the building. The interior of the building was washed and rinse water was collected in the basement for treatment in 2014 (see Section 3.3). A high pressure low volume washer was utilized on solid interior surfaces and a low pressure garden hose was used to control the flow of water around the window openings to prevent wash water from exiting the building.

2.8 POWER PLANT DEMOLITION

The Power Plant building was demolished in August 2013. Demolition proceeded downward to the concrete floors. The roof and walls were pulled onto the building floor and sorted, cut to size, and loaded for disposal. Recyclable structural materials were segregated and then transported offsite by Schneider's Trucking for disposal at Schneider's Iron and Metal in

Ironwood, Michigan. Debris from the silo (186 tons) as well as the roofing material and remaining demolition debris (808 tons) were transported offsite by B&B Contracting Calumet, Inc. for disposal at K&W Landfill as non-friable ACM. See Section 2.8 for loading, transportation, and disposal methods.

After the building was demolished, a six-ft tall chain-link fence with barbed wire strands along the top was installed around the Power Plant foundation to prevent access to the basement during the winter of 2013-2014. Openings in the foundation were covered to add additional security. Smaller openings were covered with ¾-inch plywood anchored into the concrete. Beams were laid across larger openings, and then covered with ¾-inch plywood anchored into the concrete.

2.9 LOADING, TRANSPORTATION, AND DISPOSAL

Prior to loading asbestos contaminated soil, trucks entered the Site and were lined with 6-mil polyethylene sheeting. Once loaded, the sheeting was folded over the material and secured with adhesive to prevent airborne emissions while in transit. The tops of the trucks were tarped and secured. Each truck load containing soil and debris was properly labeled, manifested, transported, and disposed of as asbestos contaminated soil at K&W Landfill.

3.0 PROPOSED REMEDIAL ACTIONS

The following sections describe the work to be completed in 2014 and are intended to replace Sections 5.3 through 5.7 of the previously approved Work Plan, dated July 2012.

3.1 FOUNDATION SURFACE CLEANING

On-site foundations and trenches/depressions will either be cleaned or covered with clean fill as discussed during the July 10, 2013 Site walk attended by USEPA, Amec, Weston Solutions, Inc., Brandenburg Industrial Service Co., and the Michigan Department of Environmental Quality (MDEQ). A copy of the meeting minutes can be found in Appendix B. Soil, vegetation and debris on the surfaces of the former building foundations will be removed and disposed as asbestos contaminated soil. Small excavation equipment and hand tools will be used to remove the soil. The soils will be placed in lined trucks for transportation and disposal as described in Section 2.9 of this Work Plan. Once the soils are removed, the surfaces of the foundations will be cleaned with water using a moderate pressure hose. Dirt and sediment will be pushed to common collection points on the foundation to be picked up and containerized for disposal. Wash water will be collected using a wet vac or similar device, and transferred to the Power Plant basement to be treated through the on-site treatment system described in Section 3.3. Once cleaned, the foundations will remain uncovered.

Soils accumulated in the trenches and other depressions less than two ft deep in the surface of the Stamp Mill will be removed using small excavation equipment and hand tools. See Section 3.6 for procedures regarding underground utility corridors. Water may be used to loosen the material. Dust suppression methods and air monitoring will be conducted during these activities as described in Section 3.5. Soil and debris will not be removed from trenches and depressions greater than two ft deep; however visible ACM will be removed. In those areas, the soil and debris will be covered with a demarcation fabric and backfilled with a minimum of two ft of clean fill. Existing soil and debris may be repositioned to allow for level placement of the demarcation fabric

During foundation cleaning, workers will keep a minimum of six ft away from the southeast edge of the Stamp Mill foundation that is collapsing into Torch Lake. A combination of caution tape or paint, and signs will be used to prevent workers from getting within six ft of the top of slope. Soil may be removed from along the shoreline in order to blend the clean fill with the existing grade. The former Pump House will be cleaned to the extent possible, removing debris from inside to a maximum of two ft below grade. A demarcation layer will be laid and the interior backfilled with a minimum of two ft of clean fill.

3.2 CONTAMINATED SOIL

The remaining on-site berm and debris piles will be removed in 2014. The berm and debris piles will be loaded into trucks and transported offsite according to the procedures discussed in Section 2.8. The remaining berms to be removed are shown on Figure 2.12.

3.2.1 Restrictive Covenant

A restrictive covenant has been recorded on the deed for the Property by the Owner. The restrictive covenant is primarily intended to assure that the property is used only for non-residential purposes, to prevent potentially unacceptable exposures to hazardous substances remaining on the property after the removal action is complete, and to protect elements of the remedy constructed on the site (e.g., engineered barriers, monitoring devices, etc.) from disturbance or damage which could degrade their performance or effectiveness. It follows the form provided by the MDEQ to ensure that all of the state's concerns are addressed in the document. In general, it includes the following elements:

- describes historical industrial operations at the property and informs owners/operators of the potential risks posed by contaminants remaining in soil;
- prohibits use of the property for anything other than non-residential uses consistent with the exposure assumptions used by MDEQ to develop the Part 201 non-residential cleanup criteria; specifically prohibits residential use of any kind, including in-patient care facilities, residential dwellings of any kind, overnight accommodations, assisted living, day care, education or instruction of minor-age children, trailers, trailer parks, camping sites, motels, and hotels;
- prohibits the withdrawal of groundwater for consumption, irrigation, or any other use not associated with response activities at the site;
- describes the direct-contact barrier and prohibits any excavation or other intrusive activity that could affect its integrity, except during pre-approved short-term construction or repair projects or for purposes of further treating or remediating the subject contamination;
- requires repair of any damage to the barrier within 14 days, unless an environmental evaluation demonstrates that the barrier is no longer necessary in accordance with the applicable provisions and requirements of Part 201 of the NREPA as it may be amended or superseded from time to time, consistent with applicable Federal law;
- requires all excavated soil and debris generated during invasive activities on the property to be managed in accordance with the applicable requirements of Part 201 and Part 111 of the NREPA; the Resource Conservation and Recovery Act, 42 U.S.C. Section 6901 et seq.; the administrative rules promulgated there under; and all other relevant state and federal laws and regulations;
- allows the installation of permanent markers on the property, if necessary, and prohibits the owner from removing, covering, obscuring, or otherwise altering or interfering with permanent markers;
- provides access to the property for Honeywell and its representatives to perform response activities;

- requires the owner to notify the EPA and MDEQ of their intent to transfer any interest in the property;
- authorizes enforcement of the restrictions by the EPA, the State of Michigan (MDEQ), and/or Honeywell;

The restrictive covenant includes a surveyed map showing the extent of the soil cap and demarcation layer, and areas where hazardous substance may remain in soil at concentrations exceeding the Part 201 non-residential cleanup criteria.

3.2.2 Remedial Activities

Areas where soils exceed any of the following criteria will be addressed in order to provide protection against direct contact exposure: soils with target metals exceeding the NRDCC; soils exceeding the Site-specific Commercial Worker asbestos remediation goal of 0.00842 f/cc based on ABS; and soils exceeding 1% asbestos concentration.

Soils with target metals exceeding the NRDCC and soils exceeding the Site-specific Commercial Worker asbestos remediation goal based on ABS will be removed up to a maximum depth of two ft, and properly disposed at K&W Landfill. Soils below the two ft excavations will remain in place and will be covered with a geotextile/demarcation layer and two ft of clean fill material. Areas to be excavated based on metals in soil are shown on Figure 3.1; areas to be excavated based on ABS are shown of Figure 3.2. Figure 3.3 shows all areas that will be excavated.

Soils exceeding 1% asbestos concentration will remain in place and covered with a geotextile/demarcation layer followed by two ft of clean fill material. The cover system will be compliant with National Emission Standards for Hazardous Air Pollutants (NESHAP) Standard 61.151. To account for potential drainage issues, the fill material will extend beyond the grid at an approximate 1:5 slope. Areas exceeding 1% asbestos concentration that will be covered are shown on Figure 3.4.

As shown of Figure 3.3, an excavation area is located underneath the Support Zone. That portion of the Support Zone will be removed and the material staged. The area will be excavated, geotextile fabric will be placed at the bottom of the excavation, and the staged material will be used as backfill.

Areas to be either covered or excavated and backfilled will be cleared and the trees staged and left onsite. Soils will either be direct loaded, or staged on the former Still House foundation for loading. Where required, the geotextile/demarcation layer will be installed and excavations backfilled as the removal proceeds. The fill material will be from an approved offsite borrow source and compacted to a minimum of 90% of the maximum dry density. Samples of the fill material will be collected to obtain the maximum dry density and optimum moisture content by American Society for Testing and Materials (ASTM) D 1557 (Modified Proctor). The modified proctor will be used to determine the density of the material after compaction. The compaction

tests will be performed by an independent third-party soil testing service and the tests shall be completed by nuclear density method ASTM D2922.

Water will be used for dust control and to reduce air emissions during any soil disturbing activities. Dust monitoring, perimeter air monitoring and personal air monitoring will be conducted during all work activities that could generate fugitive dust as described in Section 3.5. Personnel working where there is a risk of exposure to asbestos will don Level C personal protective equipment (PPE).

3.3 POWER PLANT BASEMENT WATER TREATMENT AND DISCHARGE

A National Pollution Discharge Elimination System (NPDES) permit is not required for this Site; however, the water in the Power Plant basement will be removed, treated on-site and discharged to Torch Lake in accordance with the substantive requirements of NPDES permit guidelines. In 2014, a staging pad was constructed along the western side of the Power Plant building foundation to provide a level surface for the treatment system. The pad consisted of six inches of compacted gravel placed over the previously imported clean fill. The proposed treatment system will consist of pumps in the basement with a filter at the pump intake to minimize suspended solids discharged to the treatment system. The pumped water will be filtered using a multi-stage bag filter array, or sand filter for solids removal, and then treated by a media (e.g. zeolite) or chemical precipitation system for metals and light oils removal, then activated carbon for final treatment. The treated water will be metered and discharged to Torch Lake.

Initially, water will be pumped into a 20,000 gallon storage tank. The Contractor will sample and analyze the water in the storage tank for discharge parameters with a 24-hour turn-around time. If the stored water meets discharge limits, it will be discharged. If the stored water does not meet discharge limits, it will be returned to the water treatment system for additional treatment and then placed back in the storage tank and retested. Modifications to the treatment system will be made and this procedure repeated until the water meets discharge requirements. Additional storage tanks will be used if necessary. Once the treated water meets discharge limits the water treatment system will then be operated in a continuous mode.

Water samples will be collected weekly in order to meet the intent of the NPDES permit requirements. Monitoring parameters provided by the MDEQ Surface Water Quality Section are: carbon disulfide, bis (2-ethylhexyl) phthalate, fluoranthene, pyrene, arsenic, barium, cadmium, chromium, copper, lead, mercury, selenium, silver, zinc, Aroclor 1254, Aroclor 1260, total suspended solids, and dissolved oxygen. Samples will be obtained from the influent, between stage vessels, and effluent of the treatment system according to the procedures outlined in the previously approved Field Sampling Plan. In addition to the parameters mentioned above, there is potential for the water to contain asbestos. The asbestos fibers are captured in the sand filter bed and 1 micron filters. Upon completion of the basement dewatering, the sand bedding material will be sampled, waste profiled, and appropriately disposed. The filters will be disposed with the material.

3.4 POWER PLANT BASEMENT DECONTAMINATION

Once the Power Plant basement has been dewatered, the building floor will be removed and the basement will be assessed for debris, ACM, drums, and electrical equipment that could contain PCBs. The assessment will be a visual inspection from outside of the basement area and include the type of waste material (e.g. brick, ACM, drums, etc.), location, volume, and a determination of the means and methods to remove the various waste streams. Recyclable concrete will be cleaned and left onsite to the extent practical.

After the basement water has been dewatered, debris and drums encountered will be moved to a designated staging area within the basement. The drums will be placed in overpacks, sampled for disposal characterization, and prepared for shipment to an approved disposal facility. Written and photographic documentation will be recorded if any visible labelling is noted on the drums. Workers will don Level B PPE during the drum characterization. Open drums containing only basement water will be emptied and staged with the other metal debris for decontamination and recycling. The debris exposed by the receding water will be placed in roll-off boxes or on a staging pad, depending on the volume determined from the assessment. These materials are assumed to be contaminated with asbestos and PCBs. Any transformers and/or other equipment that could contain PCBs encountered in the basement will be removed, staged, and characterized for disposal.

Sediment samples from the basement floor will be collected for disposal characterization after the water and debris have been removed from the basement. Composite sample(s) will be collected and submitted to the laboratory for analysis of VOCs, semi-volatile organic compounds, PCBs, and Resource Conservation and Recovery Act eight metals. If the results for the “total” analyses are above the RCRA “20 Times Rule”, TCLP will be conducted for those specific compounds. The solid waste from the basement is assumed to contain asbestos and will be disposed as ACM.

Once the sediment and debris have been removed, the basement will be assessed for residual ACM and abated, as necessary. The basement walls and floors will be pressure washed and the wash water will be treated through the on-site treatment system described in Section 3.3. Removed sediment will be containerized, characterized, and properly disposed. Workers will don Level C PPE.

Once the basement is washed, the basement floors will be broken to allow drainage and left in place. The foundation walls will remain intact to the extent possible. The basement will be filled with clean fill obtained from an approved offsite borrow source and compacted to a minimum of 90% of the maximum dry density. Water will be used for dust control and to reduce air emissions during basement backfilling activities.

3.5 AIR MONITORING

Air monitoring at the Site will consist of perimeter air monitoring and total dust monitoring during work activities that could generate fugitive dust. In addition, personal air monitoring for worker exposure will be performed as outlined in the HASP.

3.5.1 Perimeter Air Monitoring

Six simultaneous air samples with dedicated portable air sampling pumps and two field blanks will be collected during major on-site activities (i.e., soil sampling, soil removal/covering, bulk asbestos abatement). The air samples will be collected at six locations along the Site perimeter, taking into account potential receptors at the following primary locations of concern: the museum adjacent to the northwest corner of the Site, the boat ramp and city park, the residence immediately south of the Site, and the commercial and residential properties to the west across Highway M-26. Sample locations will be determined using USEPA Standard Operating Procedure (SOP) #2015 Rev. #0.0 Asbestos Sampling, November 1994. Two permanent stations will be established to account for the museum and the residence immediately south of the Site. The four remaining stations will be determined daily based on wind direction and will include one upwind location and three locations positioned in a 180 degree arc in the predominant wind direction from the Site activities, taking into account the remaining receptors of concern. Two field blanks will be collected and submitted for each sampling day from a stationary location onsite (i.e., temporary office trailer). One field blank will remain open during each sampling period, and the other will remain closed.

Perimeter air samples will be collected using portable battery-operated high-volume Leland Legacy pumps, or equivalent, which are capable of operating at a maximum flow rate of between 8 to 10 liters per minute for approximately 10 hours per day. In order to shelter the pumps from the weather, the pump will be equipped with a locked enclosure case with allows for the pump to remain secure inside the case while the sample cassette is collecting air outside of the case. For security purposes the pump enclosure case will be chained to the nearest permanent site feature (i.e., fence, tree, etc.) with a chain and pad lock. Each sample cassette will consist of 25-milimeter mixed cellulose ester filters with a pore space of 0.80 microns encased in a poly-vinyl chloride outer shell.

The USEPA has interpreted that the perimeter sampling locations are considered to be located in “relatively clean atmospheres” and adjacent property usage is a mixture of private residences and retail commercial properties. Given this, the target level will be equal to the Regional Screening Level (RSL) of 0.001 fibers per cubic centimeter (f/cc) and the minimum sample volume will be 3,000 liters per day to achieve a 0.001 f/cc laboratory detection level. In order to conservatively meet the laboratory detection level, the flow rate for each sample pump will be calibrated to 6.5 liters per minute based on an 8-hour full work shift. The flow rate will be adjusted as necessary if shift hours decrease below 8 hours. Amec will record each sampling location with a global positioning system unit for future reference. Weather data for the Site (i.e. wind speed, wind direction, temperature, and barometric pressure) will be recorded hourly from an on-site portable weather station. If the prevailing wind direction changes during the day, the potential receptors will be re-evaluated and the air sampling devices relocated accordingly.

Each cassette will be properly labeled for identification and location, placed into a sealable bag, and submitted under chain of custody to QuanTEM Laboratories, LLC in Oklahoma City, OK. The asbestos samples will be analyzed for asbestos fibers utilizing National Institute for Occupational Safety and Health (NIOSH) Method 7400 with Phase Contrast Microscopy (PCM). The calculated sample volume for each air sample cassette will be included on the chain-of-

custody. In addition to the air sample cassettes, the two field blanks previously mentioned will be prepared at the Site and submitted to the analytical laboratory for PCM analysis for quality assurance/quality control purposes. In the event that PCM analysis results exceed the RSL, the samples will be additionally analyzed utilizing NIOSH Method 7402 with Transmission Electron Microscopy (TEM) to confirm asbestos fibers. If sample cassettes become overloaded, USEPA Method 600/R-93/116 with TEM will be utilized to determine the non-quantitative presence or absence of asbestos fibers.

3.5.2 Total Dust Monitoring

The purpose of conducting total dust monitoring is to evaluate the potential for the generation of nuisance dust and lead dust within the breathing zone during earthwork/demolition activities. Nuisance dust is considered as any dust particulate that is inert or not otherwise hazardous, but if in high enough concentrations can pose a health issue. Lead in surface soils was evaluated during the USEPA's initial site assessment and found to be present in concentrations that could potentially pose as an inhalation concern in localized areas at the Site. In order to monitor potential worker exposure to lead dust, Amec developed a Site-specific action level for lead based on the maximum lead concentration (70,000 milligrams per kilogram [mg/kg]) reported from soil sample results collected during the USEPA's initial site assessment. Amec's conservative approach to developing the Site-specific action level included assuming that the percent lead is equal to the total dust detected and a safety factor of four. The Site-specific action level for lead dust was calculated to be 0.16 milligrams per cubic meter (mg/m³). The method used to develop the Site-specific action limits are from a document presented in an American Industrial Hygiene Association (AIHA) publication entitled "Safety Now: Controlling Chemical Exposures at Hazardous Waste Sites with Real-time Measurements" by Christopher Marlowe (Mar 1999), published by AIHA Press. This publication presents the method used to establish action limits for particulates in the breathing zone, based on contaminant levels found in the soil. It assumes that the percent concentrations of metals in the soil is the same percentage that will be encountered in the dust in the breathing zone. The resulting action limit is based on the concentration of the contaminants in relation to their individual exposure limits (OSHA PEL or ACGIH TLV, whichever is the lower). The action limit is used to determine upgrade/downgrade levels of personal protective equipment.

Dust monitoring will be conducted using a hand held portable respirable dust meter during each new work task and during earthwork/demolition activities to evaluate nuisance dust in the breathing zone. Dust meter readings will be collected at a minimum of four times per hour for the first day of new work activities and two readings per hour thereafter. Dust monitoring will be conducted in the breathing zone and at the location most likely to generate dust (i.e., location of the work activity) and along the perimeter of the Site fence line. Dust monitoring readings will be allowed to stabilize at perimeter air sampling locations. Dust monitoring readings will be compared to the Site-specific action level of 0.16 mg/m³. If dust monitoring readings exceed action levels, dust suppression methods will be required. Dust suppression methods will include manually applying water through a hose and/or water truck equipped with sprayers. Dust monitoring readings collected at the location of work activity and at perimeter air sampling locations will be recorded on Dust Monitoring Record Sheets.

In areas where high lead levels are expected to be present, personal sampling will be conducted to confirm levels in the breathing zone are below the OSHA PEL of 0.05 mg/m³. Personal sampling for lead is summarized below.

3.5.3 Personal Monitoring

Personal monitoring will be undertaken to characterize the worker exposure to lead through the monitoring of representative employees. Employee selection will be based on work task and duration of exposure. Sampling will be representative of a full shift and will include at least one sample for each job classification in each area. Sampling and analysis will be done in accordance with NIOSH methodology that is summarized below.

1. One worker per task per job classification will be selected. The worker selected will be the one thought to have the greatest potential exposure for the longest duration (if two workers have equal exposures, personal monitoring can be rotated if sampling is to be conducted on more than one day). The exposures to all other workers is assumed to be the same as the chosen individual, or lower.
2. Record the name, employee number, job classification, and company of all workers for whom the sample represents plus record the date(s), number, duration, and location, of each of the samples taken, including a description of the sampling procedure used to determine representative employee exposure where applicable.
3. Record the type of respiratory protection devices worn, if any, and any environmental variables (e.g., rain, mist, snow, wind, temperature) that could affect the measurement of employee exposure.
4. Full shift (at least 7 hours) breathing zone samples will be conducted using personal sampling pumps, calibrated before and after each use, and set at 2 liters per minute. Minimum sample volume is 200 liters. Two or three piece mixed cellulose-ester filters with 0.8-micrometer pore size will be used to collect the sample.
5. Collect samples, closed face, and ship together along with one open and one closed blank. Open blanks are filter cassettes that are handled in the same manner that the samples are, except that no air is drawn through them (e.g., remove the end plugs and store until sampling is complete, then replace the plugs.) Closed blanks are media blanks to ensure that the cassettes were not contaminated prior to sampling.
6. Samples will be analyzed using NIOSH method 7082 (Atomic Absorption).
7. At least one sample per task per site location will be taken in the initial monitoring phase.
 - a. If the results show lead levels below 0.03 mg/m³, no further testing will be required in that area for that task.
 - b. If levels are found to be above 0.03 mg/m³, repeat testing may be needed if task duration is longer than 3 months.

- c. If conditions or tasks change that may result in new or additional exposures to lead, additional samples will be taken.
8. Notify all affected workers (both AMEC and subcontractor personnel), in writing, of the results of the analysis within 5 working days of their receipt. Affected workers include not only the worker wearing the pump and filter, but also the others working in the same general area as well.

3.6 UNDERGROUND UTILITY CORRIDORS

During the 2012 construction, several underground utility corridors were discovered. The approximate locations of the utility corridors are shown on Figure 3.4, and are based on field observations and historical Site maps. The historical Site maps do not show the locations of many of the utility corridors found in the field so it is anticipated that additional utility corridors may be discovered during 2014 construction activities. The utility corridors range from concrete slab to brick arch and are as large as six ft by six ft. The majority of the utility corridors are approximately two feet below ground surface; however, with the grade changes on Site some may be closer to the surface. The utility corridors will be addressed as described in the attached SOP – Underground Utility Corridors (Appendix C).

3.7 SITE RESTORATION

Areas of the Site will be restored as the work progresses. Six inches of topsoil will be placed over backfilled areas and then seeded. Once the vegetation is established, the temporary Soil Erosion and Sedimentation Controls will be removed. The decontamination pads will be removed and disposed. The perimeter fence will be re-installed (if removed during the activities) along the property line to the north, west and south sides of the Site. No fence will be installed along the east (lakeshore) side. Once Site restoration is complete, Site control and maintenance will be the responsibility of the property owner.

3.8 DUE CARE

In general, MDEQ Section 20107a “due care” regulations require the current owners and operators of contaminated property (i.e., Part 201 facilities) to take reasonable steps to prevent unacceptable exposure to hazardous substances and to avoid exacerbating existing contamination at the facility.

Where applicable, the “due care” measures to be taken by Honeywell to appropriately manage onsite and offsite exposures to hazardous substances during its remediation activities are described in the preceding tasks. Additional detail concerning the protection of onsite workers and potential offsite receptors is provided in the approved Quality Assurance Project Plan and the Health and Safety Plan. The facility’s owners and future operators are responsible for compliance with Section 20107a with respect to their own activities before, during, and after Honeywell’s implementation of the response activities described in this plan.

4.0 SCHEDULE

An updated schedule is included in Appendix E.

TABLES

TABLE 2.1 - METALS SOIL SAMPLING RESULTS SUMMARY
Lake Linden Calumet and Hecla Power Plant Site
Torch Lake Township, Michigan

Field Sample ID:			LLI01-01NE-0006-SSXX	LLI01-01NE-0005-0521	LLI01-02NW-0006-SSXX	LLI01-02NE-0006-SSXX	LLI01-03NW-0006-SSXX	LLI01-04NE-0006-SSXX	LLI01-05NW-0006-SSXX	LLI01-05NE-0006-SSXX	LLI01-05SE-0006-SSXX	LLI01-06NW-0006-SSXX	LLI01-06NE-0006-SSXX
Sample Date:			8/1/2012	5/21/2014	7/26/2012	7/26/2012	7/26/2012	7/30/2012	7/26/2012	7/26/2012	7/26/2012	7/26/2012	7/26/2012
Sample Location:			Grid Cell 1 (0' - 0.5')	Grid Cell 1 (0' - 0.5')	Grid Cell 2 (0' - 0.5')	Grid Cell 2 (0' - 0.5')	Grid Cell 3 (0' - 0.5')	Grid Cell 4 (0' - 0.5')	Grid Cell 5 (0' - 0.5')	Grid Cell 5 (0' - 0.5')	Grid Cell 5 (0' - 0.5')	Grid Cell 6 (0' - 0.5')	Grid Cell 6 (0' - 0.5')
ANALYTE	NONRESIDENTIAL DIRECT CONTACT CRITERIA*	UNITS											
Antimony	670,000	µg/kg	500 J	NS	970 J B	860 U	1,100 U	990 U	700 J B	520 J B	1,000 J B	690 J	660 J
Arsenic	37,000	µg/kg	9,200	NS	9,300	730 J	680 J	3,800	8,300	9,900	9,100	5,800	7,300
Copper	73,000,000	µg/kg	3,100,000	NS	1,600,000	9,100	10,000	1,900,000	400,000	640,000	850,000	400,000	1,200,000
Iron	580,000,000	µg/kg	13,000,000	NS	15,000,000	3,400,000	3,300,000	8,700,000	7,600,000	17,000,000	12,000,000	7,300,000	12,000,000
Lead	900,000	µg/kg	160,000 B	15,000	240,000	890	870	18,000 B	16,000	52,000	69,000	31,000	76,000

Field Sample ID:			LLI01-01NE-0602-SSXX	LLI01-01NE-0502-0521	LLI01-02NW-0602-SSXX	LLI01-02NE-0602-SSXX	LLI01-03NW-0602-SSXX	LLI01-04NE-0602-SSXX	LLI01-05NW-0602-SSXX	LLI01-05NE-0602-SSXX	LLI01-05SE-0602-SSXX	LLI01-06NW-0602-SSXX	LLI01-06NE-0602-SSXX
Sample Date:			7/26/2012	5/21/2014	7/26/2012	7/26/2012	7/26/2012	7/30/2012	7/26/2012	7/26/2012	7/26/2012	7/26/2012	7/26/2012
Sample Location:			Grid Cell 1 (0.5' - 2')	Grid Cell 1 (0.5' - 2')	Grid Cell 2 (0.5' - 2')	Grid Cell 2 (0.5' - 2')	Grid Cell 3 (0.5' - 2')	Grid Cell 4 (0.5' - 2')	Grid Cell 5 (0.5' - 2')	Grid Cell 5 (0.5' - 2')	Grid Cell 5 (0.5' - 2')	Grid Cell 6 (0.5' - 2')	Grid Cell 6 (0.5' - 2')
ANALYTE	NONRESIDENTIAL DIRECT CONTACT CRITERIA*	UNITS											
Antimony	670,000	µg/kg	530 J	NS	1,100 U	400 J	1,400 U	1,100 U	520 J B	430 J B	530 J B	1,000 J	510 J
Arsenic	37,000	µg/kg	10,000	NS	3,600	2,500	14,000	4,300	8,200	11,000	4,000	7,600	18,000
Copper	73,000,000	µg/kg	5,000,000	NS	1,600,000	500,000	1,000,000	130,000	210,000	300,000	43,000	920,000	68,000
Iron	580,000,000	µg/kg	32,000,000	NS	9,600,000	6,700,000	18,000,000	8,300,000	9,300,000	7,200,000	2,600,000	12,000,000	16,000,000
Lead	900,000	µg/kg	68,000 B	1,400 U	13,000	8,100	5,200	10,000 B	3,000	25,000	7,800	25,000	3,300

Field Sample ID:			LLI01-01NE-0205-SSXX	LLI01-01NE-0205-0521	LLI01-02NW-0205-SSXX	LLI01-02NE-0205-SSXX	LLI01-03NW-0205-SSXX	LLI01-04NE-0205-SSXX	LLI01-05NW-0205-SSXX	LLI01-05NE-0205-SSXX	LLI01-05SE-0205-SSXX	LLI01-06NW-0205-SSXX	LLI01-06NE-0205-SSXX
Sample Date:			7/26/2012	5/21/2014	7/26/2012	7/26/2012	7/26/2012	7/30/2012	7/26/2012	7/26/2012	7/26/2012	7/26/2012	7/26/2012
Sample Location:			Grid Cell 1 (2' - 5')	Grid Cell 1 (2' - 5')	Grid Cell 2 (2' - 5')	Grid Cell 2 (2' - 5')	Grid Cell 3 (2' - 5')	Grid Cell 4 (2' - 5')	Grid Cell 5 (2' - 5')	Grid Cell 5 (2' - 5')	Grid Cell 5 (2' - 5')	Grid Cell 6 (2' - 5')	Grid Cell 6 (2' - 5')
ANALYTE	NONRESIDENTIAL DIRECT CONTACT CRITERIA*	UNITS											
Antimony	670,000	µg/kg	1,000 U	NO SAMPLE	2,500	1,000 U	1,000 U	1,100 U	880 U	550 U	1,200 U	580 J	1,000 U
Arsenic	37,000	µg/kg	4,000		12,000	16,000	5,300	5,000	2,800	1,200	14,000	10,000	4,800
Copper	73,000,000	µg/kg	4,200,000		4,600,000	920,000	190,000	190,000	3,300	8,800	160,000	38,000	99,000
Iron	580,000,000	µg/kg	9,100,000		23,000,000	25,000,000	2,600,000	12,000,000	370,000	5,100,000	8,100,000	11,000,000	4,500,000
Lead	900,000	µg/kg	15,000 B		30,000	7,200	3,100	8,000 B	860	1,500	7,400	1,900	25,000

NOTES:
B - Analytical result is reported above the Method Detection Limit or Reporting Limit, and the associated method blank sample result is reported above the Reporting Limit
J - Analytical result is reported above the Method Detection Limit, but below the Reporting Limit
U - Analytical result is reported below the Method Detection Limit
25,000 Analytical result exceeds laboratory Reporting Limit
25,000 Analytical result exceeds direct contact criteria
* State of Michigan Part 201 Risked Based NonResidential Direct Contact Criteria (March 25, 2011)

TABLE 2.1 - METALS SOIL SAMPLING RESULTS SUMMARY
Lake Linden Calumet and Hecla Power Plant Site
Torch Lake Township, Michigan

Field Sample ID: LLI01-06SE-0006-SSXX			LLI01-06SE-0006-SSXX	LLI01-06SW-0006-SSXX	LLI01-07NW-0006-SSXX	LLI01-07NE-0006-SSXX	LLI01-07SE-0006-SSXX	LLI01-07SW-0006-SSXX	LLI01-08NW-0006-SSXX	LLI01-08NE-0006-SSXX	LLI01-08SE-0006-SSXX	LLI01-08SW-0006-SSXX	LLI01-09NW-0006-SSXX
Sample Date: 7/26/2012			7/26/2012	7/26/2012	7/26/2012	7/26/2012	7/26/2012	7/26/2012	7/26/2012	7/26/2012	7/26/2012	7/26/2012	7/26/2012
Sample Location: Grid Cell 6 (0' - 0.5')			Grid Cell 6 (0' - 0.5')	Grid Cell 6 (0' - 0.5')	Grid Cell 7 (0' - 0.5')	Grid Cell 7 (0' - 0.5')	Grid Cell 7 (0' - 0.5')	Grid Cell 7 (0' - 0.5')	Grid Cell 8 (0' - 0.5')	Grid Cell 8 (0' - 0.5')	Grid Cell 8 (0' - 0.5')	Grid Cell 8 (0' - 0.5')	Grid Cell 9 (0' - 0.5')
ANALYTE	NONRESIDENTIAL DIRECT CONTACT CRITERIA*	UNITS											
Antimony	670,000	µg/kg	1,100 U	1,100 U	1,100 U	950 J B	1,100 U	1,000 U	600 J	1,300 J	1,100 U	690 J	440 J
Arsenic	37,000	µg/kg	20,000	11,000	15,000	8,700	6,500	6,500	9,200	23,000	6,200	8,800	8,200
Copper	73,000,000	µg/kg	640,000	89,000	23,000	340,000	290,000	530,000	1,300,000	340,000	160,000	530,000	160,000
Iron	580,000,000	µg/kg	10,000,000	4,400,000	1,400,000	28,000,000	6,800,000	7,200,000	12,000,000	21,000,000	13,000,000	10,000,000	20,000,000
Lead	900,000	µg/kg	4,000	20,000	4,700	19,000	26,000	23,000	56,000	15,000	7,200	34,000	8,300

Field Sample ID: LLI01-06SE-0602-SSXX			LLI01-06SE-0602-SSXX	LLI01-06SW-0602-SSXX	LLI01-07NW-0602-SSXX	LLI01-07NE-0602-SSXX	LLI01-07SE-0602-SSXX	LLI01-07SW-0602-SSXX	LLI01-08NW-0602-SSXX	LLI01-08NE-0602-SSXX	LLI01-08SE-0602-SSXX	LLI01-08SW-0602-SSXX	LLI01-09NW-0602-SSXX
Sample Date: 7/26/2012			7/26/2012	7/26/2012	7/26/2012	7/26/2012	7/26/2012	7/26/2012	7/26/2012	7/26/2012	7/26/2012	7/26/2012	7/26/2012
Sample Location: Grid Cell 6 (0.5' - 2')			Grid Cell 6 (0.5' - 2')	Grid Cell 6 (0.5' - 2')	Grid Cell 7 (0.5' - 2')	Grid Cell 7 (0.5' - 2')	Grid Cell 7 (0.5' - 2')	Grid Cell 7 (0.5' - 2')	Grid Cell 8 (0.5' - 2')	Grid Cell 8 (0.5' - 2')	Grid Cell 8 (0.5' - 2')	Grid Cell 8 (0.5' - 2')	Grid Cell 9 (0.5' - 2')
ANALYTE	NONRESIDENTIAL DIRECT CONTACT CRITERIA*	UNITS											
Antimony	670,000	µg/kg	420 J	1,000 U	1,100 U	630 J B	450 J B	860 J	990 U	960 J	1,200 U	1,100	930 J
Arsenic	37,000	µg/kg	2,700	2,300	23,000	5,600	4,400	17,000	8,700	15,000	2,600	9,900	32,000
Copper	73,000,000	µg/kg	3,700,000	29,000	890,000	28,000	1,000,000	4,000,000	1,200,000	1,400,000	50,000	650,000	550,000
Iron	580,000,000	µg/kg	11,000,000	3,800,000	8,400,000	8,300,000	14,000,000	15,000,000	7,200,000	25,000,000	11,000,000	11,000,000	21,000,000
Lead	900,000	µg/kg	3,200	1,500	14,000	1,800	1,100	57,000	38,000	12,000	1,500	64,000	37,000

Field Sample ID: LLI01-06SE-0205-SSXX			LLI01-06SE-0205-SSXX	LLI01-06SW-0205-SSXX	LLI01-07NW-0205-SSXX	LLI01-07NE-0205-SSXX	LLI01-07SE-0205-SSXX	LLI01-07SW-0205-SSXX	LLI01-08NW-0205-SSXX	LLI01-08NE-0205-SSXX	LLI01-08SE-0205-SSXX	LLI01-08SW-0205-SSXX	LLI01-09NW-0205-SSXX
Sample Date: 7/26/2012			7/26/2012	7/26/2012	7/26/2012	7/26/2012	7/26/2012	7/26/2012	7/26/2012	7/26/2012	7/26/2012	7/26/2012	7/26/2012
Sample Location: Grid Cell 6 (2' - 5')			Grid Cell 6 (2' - 5')	Grid Cell 6 (2' - 5')	Grid Cell 7 (2' - 5')	Grid Cell 7 (2' - 5')	Grid Cell 7 (2' - 5')	Grid Cell 7 (2' - 5')	Grid Cell 8 (2' - 5')	Grid Cell 8 (2' - 5')	Grid Cell 8 (2' - 5')	Grid Cell 8 (2' - 5')	Grid Cell 9 (2' - 5')
ANALYTE	NONRESIDENTIAL DIRECT CONTACT CRITERIA*	UNITS											
Antimony	670,000	µg/kg	1,200 U	1,600 U	990 U	590 J B	850 J B	1,200	840 U	1,300 U	950 U	1,300 U	460 J
Arsenic	37,000	µg/kg	2,600	13,000	13,000	3,300	12,000	30,000	3,700	3,400	4,100	5,200	9,200
Copper	73,000,000	µg/kg	30,000	24,000	34,000	5,400,000	3,900,000	490,000	4,800,000	30,000	13,000	1,500,000	250,000
Iron	580,000,000	µg/kg	15,000,000	21,000,000	5,200,000	4,200,000	20,000,000	33,000,000	9,300,000	18,000,000	11,000,000	5,800,000	33,000,000
Lead	900,000	µg/kg	2,900	9,500	2,600	1,200 J	6,000	46,000	6,500	780	1,300	6,300	2,400

NOTES:
B - Analytical result is reported above the Method Detection Limit or Reporting Limi
J - Analytical result is reported above the Method Detection Limit, but below the Re
U - Analytical result is reported below the Method Detection Limit
25,000 Analytical result exceeds laboratory Reporting Limit
25,000 Analytical result exceeds direct contact criteria
* State of Michigan Part 201 Risked Based NonResidential Direct Contact Criteria

TABLE 2.1 - METALS SOIL SAMPLING RESULTS SUMMARY
Lake Linden Calumet and Hecla Power Plant Site
Torch Lake Township, Michigan

Field Sample ID: Sample Date: Sample Location:			LLI01-10SE-0006-SSXX	LLI01-11NW-0006-SSXX	LLI01-11NE-0006-SSXX	LLI01-11SE-0006-SSXX	LLI01-11SW-0006-SSXX	LLI01-12NW-0006-SSXX	LLI01-12NE-0006-SSXX	LLI01-12SE-0006-SSXX	LLI01-12SE-0005-0521	LLI01-12SW-0006-SSXX	LLI01-13NW-0006-SSXX
			7/30/2012 Grid Cell 10 (0' - 0.5')	7/27/2012 Grid Cell 11 (0' - 0.5')	7/27/2012 Grid Cell 11 (0' - 0.5')	7/27/2012 Grid Cell 11 (0' - 0.5')	7/27/2012 Grid Cell 11 (0' - 0.5')	7/26/2012 Grid Cell 12 (0' - 0.5')	7/26/2012 Grid Cell 12 (0' - 0.5')	7/26/2012 Grid Cell 12 (0' - 0.5')	5/21/2014 Grid Cell 12 (0' - 0.5')	7/26/2012 Grid Cell 12 (0' - 0.5')	7/26/2012 Grid Cell 13 (0' - 0.5')
ANALYTE	NONRESIDENTIAL DIRECT CONTACT CRITERIA*	UNITS											
Antimony	670,000	µg/kg	2,200	1,500	730 J	1,700	3,200 J	740 J B	490 J B	1,000 J B	NS	770 J B	860 J B
Arsenic	37,000	µg/kg	7,500	14,000	12,000	10,000	20,000	5,000	14,000	18,000	NS	9,300	6,800
Copper	73,000,000	µg/kg	4,100,000	730,000	130,000	420,000	2,100,000	1,100,000	1,300,000	240,000	NS	520,000	160,000
Iron	580,000,000	µg/kg	13,000,000	23,000,000 B	24,000,000	9,700,000	11,000,000	11,000,000	13,000,000	18,000,000	NS	7,000,000	21,000,000
Lead	900,000	µg/kg	120,000 B	72,000	100,000 B	66,000 B	46,000 B	17,000	100,000	41,000	56,000	37,000	14,000

Field Sample ID: Sample Date: Sample Location:			LLI01-10SE-0602-SSXX	LLI01-11NW-0602-SSXX	LLI01-11NE-0602-SSXX	LLI01-11SE-0602-SSXX	LLI01-11SW-0602-SSXX	LLI01-12NW-0602-SSXX	LLI01-12NE-0602-SSXX	LLI01-12SE-0602-SSXX	LLI01-12SE-0502-0521	LLI01-12SW-0602-SSXX	LLI01-13NW-0602-SSXX
			7/30/2012 Grid Cell 10 (0.5' - 2')	7/27/2012 Grid Cell 11 (0.5' - 2')	7/27/2012 Grid Cell 11 (0.5' - 2')	7/27/2012 Grid Cell 11 (0.5' - 2')	7/27/2012 Grid Cell 11 (0.5' - 2')	7/26/2012 Grid Cell 12 (0.5' - 2')	7/26/2012 Grid Cell 12 (0.5' - 2')	7/26/2012 Grid Cell 12 (0.5' - 2')	5/21/2014 Grid Cell 12 (0.5' - 2')	7/26/2012 Grid Cell 12 (0.5' - 2')	7/26/2012 Grid Cell 13 (0.5' - 2')
ANALYTE	NONRESIDENTIAL DIRECT CONTACT CRITERIA*	UNITS											
Antimony	670,000	µg/kg	970 U	1,200 U	1,200 U	700 J	1,000 U	1,100 U	540 J B	410 J B	NS	1,100 B	1,100 J B
Arsenic	37,000	µg/kg	2,100	5,300	8,200	19,000	32,000	10,000	12,000	14,000	NS	12,000	47,000
Copper	73,000,000	µg/kg	360,000	180,000	90,000	280,000	42,000	610,000	980,000	430,000	NS	500,000	400,000
Iron	580,000,000	µg/kg	6,100,000	13,000,000 B	2,500,000	17,000,000	17,000,000	11,000,000	11,000,000	13,000,000	NS	17,000,000	7,300,000
Lead	900,000	µg/kg	13,000 B	10,000	12,000 B	39,000 B	15,000 B	16,000	56,000	120,000	620,000	61,000	34,000

Field Sample ID: Sample Date: Sample Location:			LLI01-10SE-0205-SSXX	LLI01-11NW-0205-SSXX	LLI01-11NE-0205-SSXX	LLI01-11SE-0205-SSXX	LLI01-11SW-0205-SSXX	LLI01-12NW-0205-SSXX	LLI01-12NE-0205-SSXX	LLI01-12SE-0205-SSXX	LLI01-12SE-0205-0521	LLI01-12SW-0205-SSXX	LLI01-13NW-0205-SSXX
			7/30/2012 Grid Cell 10 (2' - 5')	7/27/2012 Grid Cell 11 (2' - 5')	7/27/2012 Grid Cell 11 (2' - 5')	7/27/2012 Grid Cell 11 (2' - 5')	7/27/2012 Grid Cell 11 (2' - 5')	7/26/2012 Grid Cell 12 (2' - 5')	7/26/2012 Grid Cell 12 (2' - 5')	7/26/2012 Grid Cell 12 (2' - 5')	5/21/2014 Grid Cell 12 (2' - 5')	7/26/2012 Grid Cell 12 (2' - 5')	7/26/2012 Grid Cell 13 (2' - 5')
ANALYTE	NONRESIDENTIAL DIRECT CONTACT CRITERIA*	UNITS											
Antimony	670,000	µg/kg	920 U		1,200 U	940 U	1,000 U	670 J B	480 J B	590 J B		1,000 U	1,200 U
Arsenic	37,000	µg/kg	7,100		16,000	450 J	850 J	11,000	12,000	13,000		5,200	6,300
Copper	73,000,000	µg/kg	900,000	NO SAMPLE	250,000	10,000	2,100 J	630,000	980,000	51,000	NO SAMPLE	140,000	81,000
Iron	580,000,000	µg/kg	12,000,000		3,900,000	1,100,000	1,600,000	11,000,000	14,000,000	13,000,000		7,500,000	8,400,000 B
Lead	900,000	µg/kg	20,000 B		23,000 B	1,200 B	1,000 B	24,000	61,000	5,100		25,000	5,400

NOTES:
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U - Analytical result is reported below the Method Detection Limit
25,000 Analytical result exceeds laboratory Reporting Limit
25,000 Analytical result exceeds direct contact criteria
* State of Michigan Part 201 Risked Based NonResidential Direct Contact Criteria

Field Sample ID:			LLI01-13NE-0006-SSXX	LLI01-13SE-0006-SSXX	LLI01-13SW-0006-SSXX	LLI01-14NW-0006-SSXX	LLI01-14NE-0006-SSXX	LLI01-14SE-0006-SSXX	LLI01-14SW-0006-SSXX	LLI01-15NW-0006-SSXX	LLI01-15SW-0006-SSXX	LLI01-17NE-0006-SSXX	LLI01-17SE-0006-SSXX
Sample Date:			7/26/2012	7/26/2012	7/26/2012	7/27/2012	7/27/2012	7/27/2012	7/27/2012	7/27/2012	7/27/2012	7/27/2012	7/27/2012
Sample Location:			Grid Cell 13 (0' - 0.5')	Grid Cell 13 (0' - 0.5')	Grid Cell 13 (0' - 0.5')	Grid Cell 14 (0' - 0.5')	Grid Cell 14 (0' - 0.5')	Grid Cell 14 (0' - 0.5')	Grid Cell 14 (0' - 0.5')	Grid Cell 15 (0' - 0.5')	Grid Cell 15 (0' - 0.5')	Grid Cell 17 (0' - 0.5')	Grid Cell 17 (0' - 0.5')
ANALYTE	NONRESIDENTIAL DIRECT CONTACT CRITERIA*	UNITS											
Antimony	670,000	µg/kg	1,000 U	670 J	1,100 U	850 J	740 J	550 J	550 J	820 J	950 U	980 U	5,600
Arsenic	37,000	µg/kg	9,200	9,300	5,400	13,000	5,200	13,000	13,000	31,000	13,000	7,500	25,000
Copper	73,000,000	µg/kg	110,000	110,000	220,000	1,900,000	4,200,000	4,000,000	2,100,000	2,900,000	4,400,000	460,000	350,000
Iron	580,000,000	µg/kg	6,300,000 B	7,600,000 B	7,200,000 B	16,000,000	12,000,000 B	13,000,000 B	14,000,000	21,000,000 B	17,000,000 B	11,000,000 B	180,000,000 B
Lead	900,000	µg/kg	8,600	12,000	9,900	74,000	90,000	48,000	96,000	55,000	46,000	74,000	62,000

Field Sample ID:			LLI01-13NE-0602-SSXX	LLI01-13SE-0602-SSXX	LLI01-13SW-0602-SSXX	LLI01-14NW-0602-SSXX	LLI01-14NE-0602-SSXX	LLI01-14SE-0602-SSXX	LLI01-14SW-0602-SSXX	LLI01-15NW-0602-SSXX	LLI01-15SW-0602-SSXX	LLI01-17NE-0602-SSXX	LLI01-17SE-0602-SSXX
Sample Date:			7/26/2012	7/26/2012	7/26/2012	7/27/2012	7/27/2012	7/27/2012	7/27/2012	7/27/2012	7/27/2012	7/27/2012	7/27/2012
Sample Location:			Grid Cell 13 (0.5' - 2')	Grid Cell 13 (0.5' - 2')	Grid Cell 13 (0.5' - 2')	Grid Cell 14 (0.5' - 2')	Grid Cell 14 (0.5' - 2')	Grid Cell 14 (0.5' - 2')	Grid Cell 14 (0.5' - 2')	Grid Cell 15 (0.5' - 2')	Grid Cell 15 (0.5' - 2')	Grid Cell 17 (0.5' - 2')	Grid Cell 17 (0.5' - 2')
ANALYTE	NONRESIDENTIAL DIRECT CONTACT CRITERIA*	UNITS											
Antimony	670,000	µg/kg	500 J	1,100 U	1,100 U	1,100 U	530 J	710 J	1,100 U	960 U	2,300	1,000 U	990 U
Arsenic	37,000	µg/kg	3,700	1,400	7,700	5,800	7,600	9,500	7,900	1,900	9,000	6,800	10,000
Copper	73,000,000	µg/kg	40,000	59,000	160,000	99,000	5,000,000	6,800,000	480,000	1,100,000	45,000,000	220,000	12,000
Iron	580,000,000	µg/kg	2,400,000 B	3,100,000 B	16,000,000 B	8,200,000	9,200,000 B	13,000,000 B	9,300,000	6,500,000 B	22,000,000 B	11,000,000 B	21,000,000 B
Lead	900,000	µg/kg	8,700	14,000	12,000	13,000	11,000	39,000	11,000	9,500	16,000	17,000	6,100

Field Sample ID:			LLI01-13NE-0205-SSXX	LLI01-13SE-0205-SSXX	LLI01-13SW-0205-SSXX	LLI01-14NW-0205-SSXX	LLI01-14NE-0205-SSXX	LLI01-14SE-0205-SSXX	LLI01-14SW-0205-SSXX	LLI01-15NW-0205-SSXX	LLI01-15SW-0205-SSXX	LLI01-17NE-0205-SSXX	LLI01-17SE-0205-SSXX
Sample Date:			7/26/2012	7/26/2012	7/26/2012	7/27/2012	7/27/2012	7/27/2012	7/27/2012	7/27/2012	7/27/2012	7/27/2012	7/27/2012
Sample Location:			Grid Cell 13 (2' - 5')	Grid Cell 13 (2' - 5')	Grid Cell 13 (2' - 5')	Grid Cell 14 (2' - 5')	Grid Cell 14 (2' - 5')	Grid Cell 14 (2' - 5')	Grid Cell 14 (2' - 5')	Grid Cell 15 (2' - 5')	Grid Cell 15 (2' - 5')	Grid Cell 17 (2' - 5')	Grid Cell 17 (2' - 5')
ANALYTE	NONRESIDENTIAL DIRECT CONTACT CRITERIA*	UNITS											
Antimony	670,000	µg/kg	1,100 U	450 J	510 J	1,100 U	830 J	450 J	1,100 U	1,000 U	980 U	NO SAMPLE	NO SAMPLE
Arsenic	37,000	µg/kg	4,400	9,100	6,000	2,400	1,600	3,900	6,800	4,100	2,000		
Copper	73,000,000	µg/kg	160,000	91,000	18,000	13,000	140,000	7,300,000	22,000	1,500,000	4,700,000		
Iron	580,000,000	µg/kg	7,800,000 B	5,900,000 B	7,100,000 B	3,100,000 B	6,500,000 B	7,700,000 B	11,000,000	5,100,000 B	5,000,000 B		
Lead	900,000	µg/kg	7,200	23,000	1,800	3,900	4,600	5,300	2,700	19,000	2,300		

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25,000 Analytical result exceeds laboratory Reporting Limit
25,000 Analytical result exceeds direct contact criteria
* State of Michigan Part 201 Risked Based NonResidential Direct Contact Criteria

Field Sample ID: Sample Date: Sample Location:			LLI01-17SW-0006-SSXX	LLI01-18NW-0006-SSXX	LLI01-18NE-0006-SSXX	LLI01-18SE-0006-SSXX	LLI01-18SW-0006-SSXX	LLI01-19NW-0006-SSXX	LLI01-19SE-0006-SSXX	LLI01-19SE-0005-0521	LLI01-19SW-0006-SSXX	LLI01-20NE-0006-SSXX	LLI01-20SE-0006-SSXX
ANALYTE	NONRESIDENTIAL DIRECT CONTACT CRITERIA*	UNITS	7/27/2012 Grid Cell 17 (0' - 0.5')	7/27/2012 Grid Cell 18 (0' - 0.5')	7/27/2012 Grid Cell 18 (0' - 0.5')	7/27/2012 Grid Cell 18 (0' - 0.5')	7/27/2012 Grid Cell 18 (0' - 0.5')	7/27/2012 Grid Cell 19 (0' - 0.5')	7/27/2012 Grid Cell 19 (0' - 0.5')	5/21/2014 Grid Cell 19 (0' - 0.5')	7/27/2012 Grid Cell 19 (0' - 0.5')	7/27/2012 Grid Cell 20 (0' - 0.5')	7/27/2012 Grid Cell 20 (0' - 0.5')
Antimony	670,000	µg/kg	490 J	450 J	670 J	1,100 U	910 U	900 U	1,500	NS	1,000	1,100	1,400
Arsenic	37,000	µg/kg	21,000	3,300	6,300	14,000	9,200	7,400	20,000	NS	12,000	3,600	16,000
Copper	73,000,000	µg/kg	220,000	3,700,000	1,400,000	530,000	660,000	720,000	2,000,000	NS	430,000	2,000,000 B	8,000,000 B
Iron	580,000,000	µg/kg	16,000,000 B	9,300,000	12,000,000	13,000,000	15,000,000	15,000,000	40,000,000	NS	14,000,000	19,000,000	17,000,000
Lead	900,000	µg/kg	12,000	33,000 B	24,000 B	64,000 B	41,000 B	25,000	690,000	380,000	71,000	16,000	110,000

Field Sample ID: Sample Date: Sample Location:			LLI01-17SW-0602-SSXX	LLI01-18NW-0602-SSXX	LLI01-18NE-0602-SSXX	LLI01-18SE-0602-SSXX	LLI01-18SW-0602-SSXX	LLI01-19NW-0602-SSXX	LLI01-19SE-0602-SSXX	LLI01-19SE-0502-0521	LLI01-19SW-0602-SSXX	LLI01-20NE-0602-SSXX	LLI01-20SE-0602-SSXX
ANALYTE	NONRESIDENTIAL DIRECT CONTACT CRITERIA*	UNITS	7/27/2012 Grid Cell 17 (0.5' - 2')	7/27/2012 Grid Cell 18 (0.5' - 2')	7/27/2012 Grid Cell 18 (0.5' - 2')	7/27/2012 Grid Cell 18 (0.5' - 2')	7/27/2012 Grid Cell 18 (0.5' - 2')	7/27/2012 Grid Cell 19 (0.5' - 2')	7/27/2012 Grid Cell 19 (0.5' - 2')	5/21/2014 Grid Cell 19 (0.5' - 2')	7/27/2012 Grid Cell 19 (0.5' - 2')	7/27/2012 Grid Cell 20 (0.5' - 2')	7/27/2012 Grid Cell 20 (0.5' - 2')
Antimony	670,000	µg/kg	NO SAMPLE	1,000 U	420 J	2,000	960 U	940 U	380 J	NS	950 U	1,200 U	1,000 U
Arsenic	37,000	µg/kg		4,600	6,700	11,000	4,000	4,800	12,000	NS	1,700	11,000	8,300
Copper	73,000,000	µg/kg		1,900,000	760,000	390,000	370,000	940,000	170,000	NS	110,000	3,700,000 B	1,100,000 B
Iron	580,000,000	µg/kg		9,800,000	16,000,000	11,000,000	12,000,000	7,700,000	10,000,000	NS	2,500,000	13,000,000	16,000,000
Lead	900,000	µg/kg		42,000 B	25,000 B	89,000 B	22,000 B	16,000	96,000	560,000	6,500	17,000	40,000

Field Sample ID: Sample Date: Sample Location:			LLI01-17SW-0205-SSXX	LLI01-18NW-0205-SSXX	LLI01-18NE-0205-SSXX	LLI01-18SE-0205-SSXX	LLI01-18SW-0205-SSXX	LLI01-19NW-0205-SSXX	LLI01-19SE-0205-SSXX	LLI01-19SE-0205-0521	LLI01-19SW-0205-SSXX	LLI01-20NE-0205-SSXX	LLI01-20SE-0205-SSXX
ANALYTE	NONRESIDENTIAL DIRECT CONTACT CRITERIA*	UNITS	7/27/2012 Grid Cell 17 (2' - 5')	7/27/2012 Grid Cell 18 (2' - 5')	7/27/2012 Grid Cell 18 (2' - 5')	7/27/2012 Grid Cell 18 (2' - 5')	7/27/2012 Grid Cell 18 (2' - 5')	7/27/2012 Grid Cell 19 (2' - 5')	7/27/2012 Grid Cell 19 (2' - 5')	5/21/2014 Grid Cell 19 (2' - 5')	7/27/2012 Grid Cell 19 (2' - 5')	7/27/2012 Grid Cell 20 (2' - 5')	7/27/2012 Grid Cell 20 (2' - 5')
Antimony	670,000	µg/kg	NO SAMPLE	990 U	470 J	1,800	1,000 U	640 J	1,500 U	NO SAMPLE	3,600 J	1,200 U	1,000 U
Arsenic	37,000	µg/kg		2,900	7,000	6,200	2,400	2,000	65,000		8,000	6,000	4,300
Copper	73,000,000	µg/kg		4,100,000	830,000	6,700,000	100,000	3,200,000	1,200,000		1,700,000	100,000 B	60,000 B
Iron	580,000,000	µg/kg		6,600,000	12,000,000	10,000,000	13,000,000	15,000,000	13,000,000		68,000,000	9,800,000	9,700,000
Lead	900,000	µg/kg		9,600 B	28,000	56,000 B	5,300 B	3,000	430,000		46,000	6,500	1,700

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25,000 Analytical result exceeds laboratory Reporting Limit
25,000 Analytical result exceeds direct contact criteria
* State of Michigan Part 201 Risked Based NonResidential Direct Contact Criteria

Field Sample ID: LLI01-20SE-0005-0521 Sample Date: 5/21/2014 Sample Location: Grid Cell 20 (0' - 0.5')			LLI01-20SE-0005-0521	LLI01-20SW-0006-SSXX 7/27/2012 Grid Cell 20 (0' - 0.5')	LLI01-21NW-0006-SSXX 7/27/2012 Grid Cell 21 (0' - 0.5')	LLI01-21SW-0006-SSXX 7/27/2012 Grid Cell 21 (0' - 0.5')	LLI01-23SW-0005-SSXX 5/22/2013 Grid Cell 23 (0' - 0.5')	LLI01-24SE-0005-SSXX 5/21/2013 Grid Cell 24 (0' - 0.5')	LLI01-24SW-0005-SSXX 5/21/2013 Grid Cell 24 (0' - 0.5')	LLI01-24SW-0005-1519 5/19/2014 Grid Cell 24 (0' - 0.5')	LLI01-24SW-0005-SSXX 5/21/2013 Grid Cell 24 (0' - 0.5')	LLI01-26NE-0005-SSXX 5/21/2013 Grid Cell 26 (0' - 0.5')	LLI01-26NE-0005-0519 5/19/2014 Grid Cell 26 (0' - 0.5')
ANALYTE	NONRESIDENTIAL DIRECT CONTACT CRITERIA*	UNITS											
Antimony	670,000	µg/kg	NS	950 U	690 J	2,600	1,300 UJ	1,100 UJ	1,100 UJ	NS	1,100 UJ	6,700 J	NS
Arsenic	37,000	µg/kg	NS	5,600	16,000	19,000	40,000	4,400	4,700	NS	4,700	20,000	NS
Copper	73,000,000	µg/kg	NS	150,000 B	2,000,000 B	1,100,000 B	380,000	660,000	810,000	NS	810,000	6,800,000	NS
Iron	580,000,000	µg/kg	NS	7,200,000	6,100,000	16,000,000	18,000,000	9,500,000	12,000,000	NS	12,000,000	27,000,000	NS
Lead	900,000	µg/kg	160,000	9,800	30,000	77,000	26,000	66,000	72,000 J	6,100	72,000 J	3,500,000	360,000

Field Sample ID: LLI01-20SE-0502-0521 Sample Date: 5/21/2014 Sample Location: Grid Cell 20 (0.5' - 2')			LLI01-20SE-0502-0521	LLI01-20SW-0602-SSXX 7/27/2012 Grid Cell 20 (0.5' - 2')	LLI01-21NW-0602-SSXX 7/27/2012 Grid Cell 21 (0.5' - 2')	LLI01-21SW-0602-SSXX 7/27/2012 Grid Cell 21 (0.5' - 2')	LLI01-23SW-0502-SSXX 5/22/2013 Grid Cell 23 (0.5' - 2')	LLI01-24SE-0502-SSXX 5/21/2013 Grid Cell 24 (0.5' - 2')	LLI01-24SW-0502-SSXX 5/21/2013 Grid Cell 24 (0.5' - 2')	LLI01-24SW-0502-0519 5/19/2014 Grid Cell 24 (0.5' - 2')	LLI01-24SW-0502-SSXX 5/21/2013 Grid Cell 24 (0.5' - 2')	LLI01-26NE-0502-SSXX 5/21/2013 Grid Cell 26 (0.5' - 2')	LLI01-26NE-0502-0519 5/19/2014 Grid Cell 26 (0.5' - 2')
ANALYTE	NONRESIDENTIAL DIRECT CONTACT CRITERIA*	UNITS											
Antimony	670,000	µg/kg	NS	500 J	1,000 U	510 J	1,000 UJ	1,100 UJ	1,100 UJ	NS	1,100 UJ	840 J	NS
Arsenic	37,000	µg/kg	NS	12,000	8,400	2,000	140,000	4,200 J	5,500	NS	5,500	8,500	NS
Copper	73,000,000	µg/kg	NS	130,000 B	3,400,000 B	3,300,000 B	1,800,000	1,300,000	230,000	NS	230,000	6,100,000	NS
Iron	580,000,000	µg/kg	NS	26,000,000	14,000,000	6,400,000	30,000,000	9,300,000	10,000,000	NS	10,000,000	20,000,000	NS
Lead	900,000	µg/kg	39,000	19,000	34,000	7,700	1,300,000	110,000	7,300	100,000	7,300	50,000	24,000

Field Sample ID: LLI01-20SE-0205-0521 Sample Date: 5/21/2014 Sample Location: Grid Cell 20 (2' - 5')			LLI01-20SE-0205-0521	LLI01-20SW-0205-SSXX 7/27/2012 Grid Cell 20 (2' - 5')	LLI01-21NW-0205-SSXX 7/27/2012 Grid Cell 21 (2' - 5')	LLI01-21SW-0205-SSXX 7/27/2012 Grid Cell 21 (2' - 5')	LLI01-23SW-0205-SSXX 5/22/2013 Grid Cell 23 (2' - 5')	LLI01-24SE-0205-SSXX 5/21/2013 Grid Cell 24 (2' - 5')	LLI01-24SW-0205-SSXX 5/21/2013 Grid Cell 24 (2' - 5')	LLI01-24SW-0205-0519 5/19/2014 Grid Cell 24 (2' - 5')	LLI01-24SW-0205-SSXX 5/21/2013 Grid Cell 24 (2' - 5')	LLI01-26NE-0205-SSXX 5/21/2013 Grid Cell 26 (2' - 5')	LLI01-26NE-0205-0519 5/19/2014 Grid Cell 26 (2' - 5')
ANALYTE	NONRESIDENTIAL DIRECT CONTACT CRITERIA*	UNITS											
Antimony	670,000	µg/kg		1,100 U	1,100 U	510 J		1,200 UJ	1,700 J	NS	1,700 J	970 UJ	
Arsenic	37,000	µg/kg		7,400	7,000	2,400		3,600	6,700	NS	6,700	4,800	
Copper	73,000,000	µg/kg	NO SAMPLE	690,000 B	52,000 B	3,700,000 B	NO SAMPLE	130,000	2,800,000	NS	2,800,000	140,000	NO SAMPLE
Iron	580,000,000	µg/kg		9,700,000	11,000,000	9,000,000		7,100,000	16,000,000	NS	16,000,000	9,100,000	
Lead	900,000	µg/kg		6,400	21,000	52,000		5,300	77,000 J	18,000	77,000 J	11,000	

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25,000 Analytical result exceeds laboratory Reporting Limit
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TABLE 2.1 - METALS SOIL SAMPLING RESULTS SUMMARY
Lake Linden Calumet and Hecla Power Plant Site
Torch Lake Township, Michigan

Field Sample ID: Sample Date: Sample Location:			LLI01-26SW-0005-SSXX	LLI01-26SW-0005-0519	LLI01-27SE-0006-SSXX	LLI01-27SE-0005-0521	LLI01-28NW-0006-SSXX	LLI01-28NE-0006-SSXX	LLI01-28SE-0006-SSXX	LLI01-28SW-0006-SSXX	LLI01-30NE-0006-SSXX	LLI01-30SE-0006-SSXX	LLI01-30SE-0005-0520
			5/21/2013 Grid Cell 26 (0' - 0.5')	5/19/2014 Grid Cell 26 (0' - 0.5')	7/27/2012 Grid Cell 27 (0' - 0.5')	5/21/2014 Grid Cell 27 (0' - 0.5')	7/27/2012 Grid Cell 28 (0' - 0.5')	7/27/2012 Grid Cell 28 (0' - 0.5')	7/27/2012 Grid Cell 28 (0' - 0.5')	7/27/2012 Grid Cell 28 (0' - 0.5')	7/28/2012 Grid Cell 30 (0' - 0.5')	7/28/2012 Grid Cell 30 (0' - 0.5')	5/20/2014 Grid Cell 30 (0' - 0.5')
ANALYTE	NONRESIDENTIAL DIRECT CONTACT CRITERIA*	UNITS											
Antimony	670,000	µg/kg	1,200 J	NS	2,100	NS	1,100	1,100 U	1,000	870 U	2,500 B	1,100 B	NS
Arsenic	37,000	µg/kg	8,900	NS	35,000	NS	2,100	5,500	25,000	4,000	16,000	24,000	NS
Copper	73,000,000	µg/kg	610,000	NS	42,000,000 B	NS	1,600,000	3,000,000	32,000,000	3,000,000	3,600,000	3,300,000	NS
Iron	580,000,000	µg/kg	19,000,000	NS	42,000,000	NS	23,000,000	9,900,000	16,000,000	8,200,000	32,000,000 B	20,000,000 B	NS
Lead	900,000	µg/kg	49,000	34,000	460,000	230,000	81,000	22,000	81,000	12,000	190,000	910,000	200,000

Field Sample ID: Sample Date: Sample Location:			LLI01-26SW-0502-SSXX	LLI01-26SW-0502-0519	LLI01-27SE-0602-SSXX	LLI01-27SE-0502-0521	LLI01-28NW-0602-SSXX	LLI01-28NE-0602-SSXX	LLI01-28SE-0602-SSXX	LLI01-28SW-0602-SSXX	LLI01-30NE-0602-SSXX	LLI01-30SE-0602-SSXX	LLI01-30SE-0502-0520
			5/21/2013 Grid Cell 26 (0.5' - 2')	5/19/2014 Grid Cell 26 (0.5' - 2')	7/27/2012 Grid Cell 27 (0.5' - 2')	5/21/2014 Grid Cell 27 (0.5' - 2')	7/27/2012 Grid Cell 28 (0.5' - 2')	7/27/2012 Grid Cell 28 (0.5' - 2')	7/27/2012 Grid Cell 28 (0.5' - 2')	7/27/2012 Grid Cell 28 (0.5' - 2')	7/28/2012 Grid Cell 30 (0.5' - 2')	7/28/2012 Grid Cell 30 (0.5' - 2')	5/20/2014 Grid Cell 30 (0.5' - 2')
ANALYTE	NONRESIDENTIAL DIRECT CONTACT CRITERIA*	UNITS											
Antimony	670,000	µg/kg	1,500 J	NS	1,000 U	NS	960 U	940 U	960 U	590 J	3,500 J B	1,700 B	NS
Arsenic	37,000	µg/kg	25,000	NS	4,700	NS	3,700	2,400	4,000	12,000	32,000	26,000	NS
Copper	73,000,000	µg/kg	1,200,000	NS	1,000,000 B	NS	420,000	1,700,000	1,300,000	11,000,000	9,700,000	2,700,000	NS
Iron	580,000,000	µg/kg	27,000,000	NS	8,200,000	NS	7,300,000	14,000,000	10,000,000	10,000,000	77,000,000 B	42,000,000 B	NS
Lead	900,000	µg/kg	290,000	24,000	21,000	490,000	9,100	18,000	11,000	46,000	79,000	410,000	140,000

Field Sample ID: Sample Date: Sample Location:			LLI01-26SW-0205-SSXX	LLI01-26SW-0205-0519	LLI01-27SE-0205-SSXX	LLI01-27SE-0205-0521	LLI01-28NW-0205-SSXX	LLI01-28NE-0205-SSXX	LLI01-28SE-0205-SSXX	LLI01-28SW-0205-SSXX	LLI01-30NE-0205-SSXX	LLI01-30SE-0205-SSXX	LLI01-30SE-0205-0520
			5/21/2013 Grid Cell 26 (2' - 5')	5/19/2014 Grid Cell 26 (2' - 5')	7/27/2012 Grid Cell 27 (2' - 5')	5/21/2014 Grid Cell 27 (2' - 5')	7/27/2012 Grid Cell 28 (2' - 5')	7/27/2012 Grid Cell 28 (2' - 5')	7/27/2012 Grid Cell 28 (2' - 5')	7/27/2012 Grid Cell 28 (2' - 5')	7/28/2012 Grid Cell 30 (2' - 5')	7/28/2012 Grid Cell 30 (2' - 5')	5/20/2014 Grid Cell 30 (2' - 5')
ANALYTE	NONRESIDENTIAL DIRECT CONTACT CRITERIA*	UNITS											
Antimony	670,000	µg/kg	530 J		910 U		1,200 U	1,100	850 U	1,000 U	960 J B	1,200 B	NO SAMPLE
Arsenic	37,000	µg/kg	23,000		3,300		3,800	2,100	2,300	14,000	18,000	3,100	
Copper	73,000,000	µg/kg	71,000	NO SAMPLE	2,300,000 B	NO SAMPLE	230,000 B	1,600,000	7,200,000	11,000,000	5,000,000	6,100,000	
Iron	580,000,000	µg/kg	21,000,000		10,000,000		8,400,000	23,000,000	6,500,000	11,000,000	18,000,000 B	20,000,000 B	
Lead	900,000	µg/kg	12,000		14,000		21,000	81,000	1,600	28,000	53,000	37,000	

NOTES:
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J - Analytical result is reported above the Method Detection Limit, but below the Re
U - Analytical result is reported below the Method Detection Limit
25,000 Analytical result exceeds laboratory Reporting Limit
25,000 Analytical result exceeds direct contact criteria
* State of Michigan Part 201 Risked Based NonResidential Direct Contact Criteria

TABLE 2.1 - METALS SOIL SAMPLING RESULTS SUMMARY
Lake Linden Calumet and Hecla Power Plant Site
Torch Lake Township, Michigan

Field Sample ID: Sample Date: Sample Location:			LLI01-31SW-0005-SSXX 5/22/2013 Grid Cell 31 (0' - 0.5')	LLI01-31SW-0005-0520 5/20/2014 Grid Cell 31 (0' - 0.5')	LLI01-32SE-0005-SSXX 5/21/2013 Grid Cell 32 (0' - 0.5')	LLI01-32SE-0005-0519 5/19/2014 Grid Cell 32 (0' - 0.5')	LLI01-33NW-0005-SSXX 5/21/2013 Grid Cell 33 (0' - 0.5')	LLI01-34NE-0005-SSXX 5/21/2013 Grid Cell 34 (0' - 0.5')	LLI01-34NE-0005-0519 5/19/2014 Grid Cell 34 (0' - 0.5')	LLI01-34SE-0005-SSXX 5/21/2013 Grid Cell 34 (0' - 0.5')	LLI01-34SE-0005-1519 5/19/2014 Grid Cell 34 (0' - 0.5')	LLI01-35NW-0006-SSXX 7/28/2012 Grid Cell 35 (0' - 0.5')	LLI01-35NW-0005-0520 5/20/2014 Grid Cell 35 (0' - 0.5')
ANALYTE	NONRESIDENTIAL DIRECT CONTACT CRITERIA*	UNITS											
Antimony	670,000	µg/kg	1,800 J	NS	450 J	NS	680 J	740 J	NS	1,300 J	NS	800 J	NS
Arsenic	37,000	µg/kg	68,000	NS	11,000	NS	5,900	6,200	NS	12,000	NS	16,000	NS
Copper	73,000,000	µg/kg	8,700,000	NS	2,300,000	NS	1,800,000	1,200,000	NS	1,400,000	NS	4,200,000	NS
Iron	580,000,000	µg/kg	44,000,000	NS	13,000,000	NS	10,000,000	12,000,000	NS	14,000,000	NS	16,000,000 B	NS
Lead	900,000	µg/kg	1,800,000	610,000	120,000	4,700	91,000	260,000	150,000	290,000	57,000	110,000	110,000

Field Sample ID: Sample Date: Sample Location:			LLI01-31SW-0502-SSXX 5/22/2013 Grid Cell 31 (0.5' - 2')	LLI01-31SW-0502-0520 5/20/2014 Grid Cell 31 (0.5' - 2')	LLI01-32SE-0502-SSXX 5/21/2013 Grid Cell 32 (0.5' - 2')	LLI01-32SE-0502-0519 5/19/2014 Grid Cell 32 (0.5' - 2')	LLI01-33NW-0502-SSXX 5/21/2013 Grid Cell 33 (0.5' - 2')	LLI01-34NE-0502-SSXX 5/21/2013 Grid Cell 34 (0.5' - 2')	LLI01-34NE-0502-0519 5/19/2014 Grid Cell 34 (0.5' - 2')	LLI01-34SE-0502-SSXX 5/21/2013 Grid Cell 34 (0.5' - 2')	LLI01-34SE-0502-0519 5/19/2014 Grid Cell 34 (0.5' - 2')	LLI01-35NW-0602-SSXX 7/28/2012 Grid Cell 35 (0.5' - 2')	LLI01-35NW-0502-0520 5/20/2014 Grid Cell 35 (0.5' - 2')
ANALYTE	NONRESIDENTIAL DIRECT CONTACT CRITERIA*	UNITS											
Antimony	670,000	µg/kg	46,000 J	NS	1,100 UJ	NS	1,100 UJ	3,300 J	NS	3,000 J	NS	1,100 U	NS
Arsenic	37,000	µg/kg	210,000	NS	6,700	NS	8,400	15,000	NS	15,000	NS	10,000	NS
Copper	73,000,000	µg/kg	12,000,000	NS	1,200,000	NS	640,000	1,000,000	NS	2,000,000	NS	310,000	NS
Iron	580,000,000	µg/kg	110,000,000	NS	10,000,000	NS	9,300,000	16,000,000	NS	65,000,000	NS	11,000,000 B	NS
Lead	900,000	µg/kg	13,000,000	1,200,000	98,000	7,600	63,000	110,000	69,000	2,700,000	26,000	10,000	83,000

Field Sample ID: Sample Date: Sample Location:			LLI01-31SW-0205-SSXX 5/22/2013 Grid Cell 31 (2' - 5')	LLI01-31SW-0205-0520 5/20/2014 Grid Cell 31 (2' - 5')	LLI01-32SE-0205-SSXX 5/21/2013 Grid Cell 32 (2' - 5')	LLI01-32SE-0205-0519 5/19/2014 Grid Cell 32 (2' - 5')	LLI01-33NW-0205-SSXX 5/21/2013 Grid Cell 33 (2' - 5')	LLI01-34NE-0205-SSXX 5/21/2013 Grid Cell 34 (2' - 5')	LLI01-34NE-0205-0519 5/19/2014 Grid Cell 34 (2' - 5')	LLI01-34SE-0205-SSXX 5/21/2013 Grid Cell 34 (2' - 5')	LLI01-34SE-0205-0519 5/19/2014 Grid Cell 34 (2' - 5')	LLI01-35NW-0205-SSXX 7/28/2012 Grid Cell 35 (2' - 5')	LLI01-35NW-0205-0520 5/20/2014 Grid Cell 35 (2' - 5')
ANALYTE	NONRESIDENTIAL DIRECT CONTACT CRITERIA*	UNITS											
Antimony	670,000	µg/kg	NO SAMPLE	NO SAMPLE	1,100 UJ	NS	1,000 UJ	1,200 UJ	NO SAMPLE	NO SAMPLE	NO SAMPLE	1,100 U	NO SAMPLE
Arsenic	37,000	µg/kg			4,000	NS	2,000	7,000				6,700	
Copper	73,000,000	µg/kg			350,000	NS	2,100,000	300,000				250,000	
Iron	580,000,000	µg/kg			8,700,000	NS	7,900,000	16,000,000				12,000,000 B	
Lead	900,000	µg/kg			9,100	91,000	36,000	24,000 J				22,000	

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TABLE 2.1 - METALS SOIL SAMPLING RESULTS SUMMARY
Lake Linden Calumet and Hecla Power Plant Site
Torch Lake Township, Michigan

Field Sample ID: Sample Date: Sample Location:			LLI01-35NE-0006-SSXX	LLI01-35NE-0005-0520	LLI01-36NW-0006-SSXX	LLI01-36NW-0005-0520	LLI01-36NE-0006-SSXX	LLI01-36NE-0005-0520	LLI01-36SE-0006-SSXX	LLI01-36SW-0006-SSXX	LLI01-37NW-0006-SSXX	LLI01-39NW-0006-SSXX	LLI01-39NE-0006-SSXX
ANALYTE	NONRESIDENTIAL DIRECT CONTACT CRITERIA*	UNITS	7/28/2012 Grid Cell 35 (0' - 0.5')	5/20/2014 Grid Cell 35 (0' - 0.5')	7/28/2012 Grid Cell 36 (0' - 0.5')	5/20/2014 Grid Cell 36 (0' - 0.5')	7/28/2012 Grid Cell 36 (0' - 0.5')	5/20/2014 Grid Cell 36 (0' - 0.5')	7/28/2012 Grid Cell 36 (0' - 0.5')	7/28/2012 Grid Cell 36 (0' - 0.5')	7/28/2012 Grid Cell 37 (0' - 0.5')	7/25/2012 Grid Cell 39 (0' - 0.5')	7/25/2012 Grid Cell 39 (0' - 0.5')
Antimony	670,000	µg/kg	1,100 U	NS	1,100 U	NS	4,700 B	NS	NO SAMPLE	800 U	1,100 B	180 J	970
Arsenic	37,000	µg/kg	17,000	NS	17,000	NS	120,000	46,000		2,800	4,700	11,000	12,000
Copper	73,000,000	µg/kg	16,000,000	NS	16,000,000	NS	45,000,000	NS		1,100,000	350,000	2,100,000	9,300,000
Iron	580,000,000	µg/kg	21,000,000 B	NS	24,000,000 B	NS	39,000,000 B	NS		20,000,000 B	21,000,000 B	24,000,000 B	19,000,000 B
Lead	900,000	µg/kg	260,000	160,000	96,000	95,000	1,200,000	340,000		13,000	23,000	56,000	240,000

Field Sample ID: Sample Date: Sample Location:			LLI01-35NE-0602-SSXX	LLI01-35NE-0502-0520	LLI01-36NW-0602-SSXX	LLI01-36NW-0502-0520	LLI01-36NE-0602-SSXX	LLI01-36NE-0502-0520	LLI01-36SE-0602-SSXX	LLI01-36SW-0602-SSXX	LLI01-37NW-0602-SSXX	LLI01-39NW-0602-SSXX	LLI01-39NE-0602-SSXX
ANALYTE	NONRESIDENTIAL DIRECT CONTACT CRITERIA*	UNITS	7/28/2012 Grid Cell 35 (0.5' - 2')	5/20/2014 Grid Cell 35 (0.5' - 2')	7/28/2012 Grid Cell 36 (0.5' - 2')	5/20/2014 Grid Cell 36 (0.5' - 2')	7/28/2012 Grid Cell 36 (0.5' - 2')	5/20/2014 Grid Cell 36 (0.5' - 2')	7/28/2012 Grid Cell 36 (0.5' - 2')	7/28/2012 Grid Cell 36 (0.5' - 2')	7/28/2012 Grid Cell 37 (0.5' - 2')	7/25/2012 Grid Cell 39 (0.5' - 2')	7/25/2012 Grid Cell 39 (0.5' - 2')
Antimony	670,000	µg/kg	890 U	NS	1,000 U	NS	740 J B	NS	NO SAMPLE	1,100 U	1,000 J B	98 J	910 J B
Arsenic	37,000	µg/kg	3,800	NS	3,500	NS	3,900	14,000		7,500	4,700	4,000	12,000
Copper	73,000,000	µg/kg	490,000	NS	390,000	NS	200,000	NS		6,800,000	120,000	3,300,000	6,600,000
Iron	580,000,000	µg/kg	9,300,000 B	NS	7,400,000 B	NS	9,200,000 B	NS		14,000,000 B	20,000,000 B	10,000,000 B	16,000,000 B
Lead	900,000	µg/kg	10,000	87,000	120,000	180,000	6,500	120,000		29,000	1,100	52,000	61,000

Field Sample ID: Sample Date: Sample Location:			LLI01-35NE-0205-SSXX	LLI01-35NE-0205-0520	LLI01-36NW-0205-SSXX	LLI01-36NW-0205-0520	LLI01-36NE-0205-SSXX	LLI01-36NE-0205-0520	LLI01-36SE-0205-SSXX	LLI01-36SW-0205-SSXX	LLI01-37NW-0205-SSXX	LLI01-39NW-0205-SSXX	LLI01-39NE-0205-SSXX
ANALYTE	NONRESIDENTIAL DIRECT CONTACT CRITERIA*	UNITS	7/28/2012 Grid Cell 35 (2' - 5')	5/20/2014 Grid Cell 35 (2' - 5')	7/28/2012 Grid Cell 36 (2' - 5')	5/20/2014 Grid Cell 36 (2' - 5')	7/28/2012 Grid Cell 36 (2' - 5')	5/20/2014 Grid Cell 36 (2' - 5')	7/28/2012 Grid Cell 36 (2' - 5')	7/28/2012 Grid Cell 36 (2' - 5')	7/28/2012 Grid Cell 37 (2' - 5')	7/25/2012 Grid Cell 39 (2' - 5')	7/25/2012 Grid Cell 39 (2' - 5')
Antimony	670,000	µg/kg	1,100 U	NO SAMPLE	1,000 U	NO SAMPLE	620 J	NO SAMPLE	NO SAMPLE	1,100 U	830 B	140 J	720 J B
Arsenic	37,000	µg/kg	26,000		3,500		21,000			6,600	2,200	3,700	8,100
Copper	73,000,000	µg/kg	950,000		390,000		82,000			230,000	690,000	5,700,000	5,900,000
Iron	580,000,000	µg/kg	22,000,000 B		7,400,000 B		13,000,000 B			15,000,000 B	580,000 B	12,000,000 B	9,000,000
Lead	900,000	µg/kg	22,000		120,000		8,500			24,000	2,200	8,700	8,800

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TABLE 2.1 - METALS SOIL SAMPLING RESULTS SUMMARY
Lake Linden Calumet and Hecla Power Plant Site
Torch Lake Township, Michigan

Field Sample ID: Sample Date: Sample Location:			LLI01-39NE-0005-0520	LLI01-39SE-0006-SSXX	LLI01-39SW-0006-SSXX	LLI01-39SW-0005-0520	LLI01-40NW-0006-SSXX	LLI01-40NW-0005-0520	LLI01-40NE-0006-SSXX	LLI01-40SW-0006-SSXX	LLI01-41NW-0005-SSXX	LLI01-41NE-0005-0519	LLI01-41SW-0005-SSXX
ANALYTE	NONRESIDENTIAL DIRECT CONTACT CRITERIA*	UNITS	Grid Cell 39 (0' - 0.5')	Grid Cell 39 (0' - 0.5')	Grid Cell 39 (0' - 0.5')	Grid Cell 39 (0' - 0.5')	Grid Cell 40 (0' - 0.5')	Grid Cell 40 (0' - 0.5')	Grid Cell 40 (0' - 0.5')	Grid Cell 40 (0' - 0.5')	Grid Cell 41 (0' - 0.5')	Grid Cell 41 (0' - 0.5')	Grid Cell 41 (0' - 0.5')
Antimony	670,000	µg/kg	NS	1,800 B	6,600	NS	30,000	NS	64 J	85 J	1,100 UJ	NS	950 UJ
Arsenic	37,000	µg/kg	NS	6,100	13,000	NS	17,000	NS	1,000	1,100	6,200	NS	7,600
Copper	73,000,000	µg/kg	NS	4,200,000	16,000,000	NS	5,700,000	NS	8,600	10,000	930,000	NS	1,200,000
Iron	580,000,000	µg/kg	NS	20,000,000	16,000,000 B	NS	15,000,000 B	NS	3,900,000 B	5,800,000 B	13,000,000	NS	12,000,000
Lead	900,000	µg/kg	26,000	58,000	230,000	56,000	5,100,000	1,600	1,200	1,700	42,000	13,000	76,000

Field Sample ID: Sample Date: Sample Location:			LLI01-39NE-0502-0520	LLI01-39SE-0602-SSXX	LLI01-39SW-0602-SSXX	LLI01-39SW-0502-0520	LLI01-40NW-0602-SSXX	LLI01-40NW-0602-0520	LLI01-40NE-0602-SSXX	LLI01-40SW-0602-SSXX	LLI01-41NW-0502-SSXX	LLI01-41NE-0502-0519	LLI01-41SW-0502-SSXX
ANALYTE	NONRESIDENTIAL DIRECT CONTACT CRITERIA*	UNITS	Grid Cell 39 (0.5' - 2')	Grid Cell 39 (0.5' - 2')	Grid Cell 39 (0.5' - 2')	Grid Cell 39 (0.5' - 2')	Grid Cell 40 (0.5' - 2')	Grid Cell 40 (0.5' - 2')	Grid Cell 40 (0.5' - 2')	Grid Cell 40 (0.5' - 2')	Grid Cell 41 (0.5' - 2')	Grid Cell 41 (0.5' - 2')	Grid Cell 41 (0.5' - 2')
Antimony	670,000	µg/kg	NS	700 J B	550	NS	210	NS	92 J	110 J	1,100 UJ	NS	1,200 UJ
Arsenic	37,000	µg/kg	NS	5,800	18,000	NS	4,600	NS	3,600	3,500	3,900	NS	6,700
Copper	73,000,000	µg/kg	NS	8,900,000	1,100,000	NS	5,200,000	NS	19,000,000	460,000	120,000	NS	1,500,000
Iron	580,000,000	µg/kg	NS	12,000,000	26,000,000 B	NS	9,000,000 B	NS	11,000,000 B	6,200,000 B	7,000,000	NS	12,000,000
Lead	900,000	µg/kg	68,000	24,000	240,000	79,000	12,000	3,500	5,500	15,000	470,000	31,000	79,000

Field Sample ID: Sample Date: Sample Location:			LLI01-39NE-0205-0520	LLI01-39SE-0205-SSXX	LLI01-39SW-0205-SSXX	LLI01-39SW-0205-0520	LLI01-40NW-0205-SSXX	LLI01-40NW-0205-0520	LLI01-40NE-0205-SSXX	LLI01-40SW-0205-SSXX	LLI01-41NW-0205-SSXX	LLI01-41NE-0205-0519	LLI01-41SW-0205-SSXX
ANALYTE	NONRESIDENTIAL DIRECT CONTACT CRITERIA*	UNITS	Grid Cell 39 (2' - 5')	Grid Cell 39 (2' - 5')	Grid Cell 39 (2' - 5')	Grid Cell 39 (2' - 5')	Grid Cell 40 (2' - 5')	Grid Cell 40 (2' - 5')	Grid Cell 40 (2' - 5')	Grid Cell 40 (2' - 5')	Grid Cell 41 (2' - 5')	Grid Cell 41 (2' - 5')	Grid Cell 41 (2' - 5')
Antimony	670,000	µg/kg	NO SAMPLE	1,000 B	710	NO SAMPLE	54 J	NO SAMPLE	27 J	35 J	900 UJ	NS	970 UJ
Arsenic	37,000	µg/kg		15,000	7,100		2,200		2,200	2,400	1,600	NS	2,400
Copper	73,000,000	µg/kg		1,700,000	280,000		13,000,000		13,000,000	11,000,000	240,000	NS	880,000
Iron	580,000,000	µg/kg		24,000,000	20,000,000 B		8,500,000 B		6,600,000 B	8,400,000 B	5,600,000	NS	18,000,000
Lead	900,000	µg/kg		110,000	29,000		2,800 U		2,600 U	2,900 U	13,000	51,000	15,000

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25,000 Analytical result exceeds direct contact criteria
* State of Michigan Part 201 Risked Based NonResidential Direct Contact Criteria

Field Sample ID: Sample Date: Sample Location:			LLI01-42NW-0006-SSXX	LLI01-42NE-0006-SSXX	LLI01-42SE-0006-SSXX	LLI01-43NW-0006-SSXX	LLI01-43NE-0006-SSXX	LLI01-43SE-0006-SSXX	LLI01-43SW-0006-SSXX	LLI01-44NW-0006-SSXX	LLI01-44NW-0005-0520	LLI01-44NE-0006-SSXX	LLI01-44SE-0006-SSXX
ANALYTE	NONRESIDENTIAL DIRECT CONTACT CRITERIA*	UNITS	7/28/2012 Grid Cell 42 (0' - 0.5')	7/28/2012 Grid Cell 42 (0' - 0.5')	7/28/2012 Grid Cell 42 (0' - 0.5')	7/28/2012 Grid Cell 43 (0' - 0.5')	7/28/2012 Grid Cell 43 (0' - 0.5')	7/28/2012 Grid Cell 43 (0' - 0.5')	7/28/2012 Grid Cell 43 (0' - 0.5')	7/29/2012 Grid Cell 44 (0' - 0.5')	5/20/2014 Grid Cell 44 (0' - 0.5')	7/29/2012 Grid Cell 44 (0' - 0.5')	7/29/2012 Grid Cell 44 (0' - 0.5')
Antimony	670,000	µg/kg	840 U	880 U		530 J	970 U	1,200 U	890 U	2,100 B	NS	740 J	1,300
Arsenic	37,000	µg/kg	7,300	3,900		4,800	2,300	18,000	7,000	50,000	NS	3,200	17,000
Copper	73,000,000	µg/kg	2,200,000	1,800,000	NO SAMPLE	1,500,000	3,400,000	5,800,000	3,300,000	13,000,000	NS	12,000,000	9,300,000
Iron	580,000,000	µg/kg	19,000,000 B	13,000,000 B		11,000,000	10,000,000	20,000,000	17,000,000	1,800,000 B	NS	19,000,000	26,000,000 B
Lead	900,000	µg/kg	130,000	63,000		95,000	9,400	190,000	65,000	200,000 B	160,000	15,000	66,000

Field Sample ID: Sample Date: Sample Location:			LLI01-42NW-0602-SSXX	LLI01-42NE-0602-SSXX	LLI01-42SE-0602-SSXX	LLI01-43NW-0602-SSXX	LLI01-43NE-0602-SSXX	LLI01-43SE-0602-SSXX	LLI01-43SW-0602-SSXX	LLI01-44NW-0602-SSXX	LLI01-44NW-0502-0520	LLI01-44NE-0602-SSXX	LLI01-44SE-0602-SSXX
ANALYTE	NONRESIDENTIAL DIRECT CONTACT CRITERIA*	UNITS	7/28/2012 Grid Cell 42 (0.5' - 2')	7/28/2012 Grid Cell 42 (0.5' - 2')	7/28/2012 Grid Cell 42 (0.5' - 2')	7/28/2012 Grid Cell 43 (0.5' - 2')	7/28/2012 Grid Cell 43 (0.5' - 2')	7/28/2012 Grid Cell 43 (0.5' - 2')	7/28/2012 Grid Cell 43 (0.5' - 2')	7/29/2012 Grid Cell 44 (0.5' - 2')	5/20/2014 Grid Cell 44 (0.5' - 2')	7/29/2012 Grid Cell 44 (0.5' - 2')	7/29/2012 Grid Cell 44 (0.5' - 2')
Antimony	670,000	µg/kg	430 J	1,000 U		880 U	1,100 U	930 U	850 U	690 J B	NS	900 J B	1,000 U
Arsenic	37,000	µg/kg	9,100	3,800		1,600	21,000	5,300	820 J	5,100	NS	7,500	4,100
Copper	73,000,000	µg/kg	150,000	1,200,000	NO SAMPLE	39,000	840,000	1,100,000	1,200,000	11,000,000	NS	4,000,000	1,600,000
Iron	580,000,000	µg/kg	11,000,000 B	10,000,000		6,800,000	17,000,000	12,000,000	18,000,000	12,000,000 B	NS	11,000,000 B	10,000,000 B
Lead	900,000	µg/kg	12,000	68,000		2,200	21,000	93,000	1,200	65,000 B	15,000	18,000 B	18,000

Field Sample ID: Sample Date: Sample Location:			LLI01-42NW-0205-SSXX	LLI01-42NE-0205-SSXX	LLI01-42SE-0205-SSXX	LLI01-43NW-0205-SSXX	LLI01-43NE-0205-SSXX	LLI01-43SE-0205-SSXX	LLI01-43SW-0205-SSXX	LLI01-44NW-0205-SSXX	LLI01-44NW-0205-0520	LLI01-44NE-0205-SSXX	LLI01-44SE-0205-SSXX
ANALYTE	NONRESIDENTIAL DIRECT CONTACT CRITERIA*	UNITS	7/28/2012 Grid Cell 42 (2' - 5')	7/28/2012 Grid Cell 42 (2' - 5')	7/28/2012 Grid Cell 42 (2' - 5')	7/28/2012 Grid Cell 43 (2' - 5')	7/28/2012 Grid Cell 43 (2' - 5')	7/28/2012 Grid Cell 43 (2' - 5')	7/28/2012 Grid Cell 43 (2' - 5')	7/29/2012 Grid Cell 44 (2' - 5')	5/20/2014 Grid Cell 44 (2' - 5')	7/29/2012 Grid Cell 44 (2' - 5')	7/29/2012 Grid Cell 44 (2' - 5')
Antimony	670,000	µg/kg	1,200 U	1,400 U		1,100 U		1,000 U	970 U	1,200 U		920 U	670 J
Arsenic	37,000	µg/kg	8,300	1,800		2,000		2,000	1,900	1,700		4,200	7,200
Copper	73,000,000	µg/kg	700,000	73,000	NO SAMPLE	17,000	NO SAMPLE	540,000	100,000	180,000	NO SAMPLE	2,800,000	6,100,000
Iron	580,000,000	µg/kg	13,000,000 B	9,300,000		11,000,000 B		10,000,000	8,800,000	9,900,000 B		9,700,000 B	15,000,000 B
Lead	900,000	µg/kg	23,000	4,300		1,700		2,500	3,000	2,400 B		36,000 B	760,000

NOTES:
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J - Analytical result is reported above the Method Detection Limit, but below the Re
U - Analytical result is reported below the Method Detection Limit
25,000 Analytical result exceeds laboratory Reporting Limit
25,000 Analytical result exceeds direct contact criteria
* State of Michigan Part 201 Risked Based NonResidential Direct Contact Criteria

TABLE 2.1 - METALS SOIL SAMPLING RESULTS SUMMARY
Lake Linden Calumet and Hecla Power Plant Site
Torch Lake Township, Michigan

Field Sample ID: Sample Date: Sample Location:			LLI01-44SW-0006-SSXX	LLI01-44SW-0005-0520	LLI01-45NW-0006-SSXX	LLI01-45NW-0005-0520	LLI01-45NE-0006-SSXX	LLI01-45SW-0006-SSXX	LLI01-45SW-0005-0520	LLI01-47NE-0006-SSXX	LLI01-47SE-0006-SSXX	LLI01-48SE-0006-SSXX	LLI01-48SW-0006-SSXX
			7/29/2012 Grid Cell 44 (0' - 0.5')	5/20/2014 Grid Cell 44 (0' - 0.5')	7/28/2012 Grid Cell 45 (0' - 0.5')	5/20/2014 Grid Cell 45 (0' - 0.5')	7/28/2012 Grid Cell 45 (0' - 0.5')	7/28/2012 Grid Cell 45 (0' - 0.5')	5/20/2014 Grid Cell 45 (0' - 0.5')	7/30/2012 Grid Cell 47 (0' - 0.5')	7/30/2012 Grid Cell 47 (0' - 0.5')	7/25/2012 Grid Cell 48 (0' - 0.5')	7/25/2012 Grid Cell 48 (0' - 0.5')
ANALYTE	NONRESIDENTIAL DIRECT CONTACT CRITERIA*	UNITS											
Antimony	670,000	µg/kg	2,800 B	NS	1,100 U	NS	500 J	930 U	NS	970 U	NO SAMPLE	1,600	590
Arsenic	37,000	µg/kg	54,000	NS	13,000	NS	7,900	13,000	NS	6,800		2,200	8,300
Copper	73,000,000	µg/kg	120,000,000	NS	6,500,000	NS	34,000	9,900,000	NS	1,800,000		820,000	6,500,000
Iron	580,000,000	µg/kg	2,900,000 B	NS	15,000,000	NS	27,000,000	22,000,000	NS	28,000,000 B		6,800,000 B	12,000,000 B
Lead	900,000	µg/kg	310,000 B	160,000	240,000	580,000	2,000	450,000	930,000	66,000		47,000	240,000

Field Sample ID: Sample Date: Sample Location:			LLI01-44SW-0602-SSXX	LLI01-44SW-0502-0520	LLI01-45NW-0602-SSXX	LLI01-45NW-0502-0520	LLI01-45NE-0602-SSXX	LLI01-45SW-0602-SSXX	LLI01-45SW-0502-0520	LLI01-47NE-0602-SSXX	LLI01-47SE-0602-SSXX	LLI01-48SE-0602-SSXX	LLI01-48SW-0602-SSXX
			7/29/2012 Grid Cell 44 (0.5' - 2')	5/20/2014 Grid Cell 44 (0.5' - 2')	7/28/2012 Grid Cell 45 (0.5' - 2')	5/20/2014 Grid Cell 45 (0.5' - 2')	7/28/2012 Grid Cell 45 (0.5' - 2')	7/28/2012 Grid Cell 45 (0.5' - 2')	5/20/2014 Grid Cell 45 (0.5' - 2')	7/30/2012 Grid Cell 47 (0.5' - 2')	7/30/2012 Grid Cell 47 (0.5' - 2')	7/25/2012 Grid Cell 48 (0.5' - 2')	7/25/2012 Grid Cell 48 (0.5' - 2')
ANALYTE	NONRESIDENTIAL DIRECT CONTACT CRITERIA*	UNITS											
Antimony	670,000	µg/kg	480 J B	NS	3,400	NS	930 U	850 U	NS	NO SAMPLE	NO SAMPLE	2,000	27 J
Arsenic	37,000	µg/kg	6,700	NS	6,600	NS	3,800	4,500	NS			10,000	1,800
Copper	73,000,000	µg/kg	510,000	NS	89,000	NS	160,000	5,700,000	NS			3,100,000	5,400,000
Iron	580,000,000	µg/kg	16,000,000 B	NS	13,000,000	NS	13,000,000	11,000,000	NS			15,000,000 B	5,600,000 B
Lead	900,000	µg/kg	6,300 B	26,000	39,000	17,000	29,000	41,000	50,000			290,000	1,700 B

Field Sample ID: Sample Date: Sample Location:			LLI01-44SW-0205-SSXX	LLI01-44SW-0205-0520	LLI01-45NW-0205-SSXX	LLI01-45NW-0205-0520	LLI01-45NE-0205-SSXX	LLI01-45SW-0205-SSXX	LLI01-45SW-0205-0520	LLI01-47NE-0205-SSXX	LLI01-47SE-0205-SSXX	LLI01-48SE-0205-SSXX	LLI01-48SW-0205-SSXX
			7/29/2012 Grid Cell 44 (2' - 5')	5/20/2014 Grid Cell 44 (2' - 5')	7/28/2012 Grid Cell 45 (2' - 5')	5/20/2014 Grid Cell 45 (2' - 5')	7/28/2012 Grid Cell 45 (2' - 5')	7/28/2012 Grid Cell 45 (2' - 5')	5/20/2014 Grid Cell 45 (2' - 5')	7/30/2012 Grid Cell 47 (2' - 5')	7/30/2012 Grid Cell 47 (2' - 5')	7/25/2012 Grid Cell 48 (2' - 5')	7/25/2012 Grid Cell 48 (2' - 5')
ANALYTE	NONRESIDENTIAL DIRECT CONTACT CRITERIA*	UNITS											
Antimony	670,000	µg/kg	750 J B	NO SAMPLE	1,200 U	NO SAMPLE	1,000 U	1,000 U	NO SAMPLE	NO SAMPLE	NO SAMPLE	160 J	48 J
Arsenic	37,000	µg/kg	6,400		2,500		2,200	4,700				3,200	500
Copper	73,000,000	µg/kg	970,000		160,000		930,000	5,000,000				2,600,000	12,000
Iron	580,000,000	µg/kg	12,000,000 B		7,200,000		8,900,000	13,000,000				9,800,000 B	37,000,000 B
Lead	900,000	µg/kg	25,000 B		7,900		32,000	7,400				16,000	960

NOTES:
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J - Analytical result is reported above the Method Detection Limit, but below the Re
U - Analytical result is reported below the Method Detection Limit
25,000 Analytical result exceeds laboratory Reporting Limit
25,000 Analytical result exceeds direct contact criteria
* State of Michigan Part 201 Risked Based NonResidential Direct Contact Criteria

TABLE 2.1 - METALS SOIL SAMPLING RESULTS SUMMARY
Lake Linden Calumet and Hecla Power Plant Site
Torch Lake Township, Michigan

Field Sample ID: Sample Date: Sample Location:			LLI01-49NW-0006-SSXX	LLI01-49NE-0006-SSXX	LLI01-49SW-0006-SSXX	LLI01-52SE-0006-SSXX	LLI01-53NE-0006-SSXX	LLI01-53SE-0006-SSXX	LLI01-53SW-0006-SSXX	LLI01-54NW-0006-SSXX	LLI01-54NE-0006-SSXX	LLI01-54SE-0006-SSXX	LLI01-54SW-0006-SSXX
			7/25/2012 Grid Cell 49 (0' - 0.5')	7/25/2012 Grid Cell 49 (0' - 0.5')	7/25/2012 Grid Cell 49 (0' - 0.5')	7/28/2012 Grid Cell 52 (0' - 0.5')	7/29/2012 Grid Cell 53 (0' - 0.5')	7/29/2012 Grid Cell 53 (0' - 0.5')	7/29/2012 Grid Cell 53 (0' - 0.5')	7/28/2012 Grid Cell 54 (0' - 0.5')	7/28/2012 Grid Cell 54 (0' - 0.5')	7/28/2012 Grid Cell 54 (0' - 0.5')	7/28/2012 Grid Cell 54 (0' - 0.5')
ANALYTE	NONRESIDENTIAL DIRECT CONTACT CRITERIA*	UNITS											
Antimony	670,000	µg/kg	460	81 J	84 J	1,100 U	1,000	1,800	3,900	1,600	1,400	1,100 U	1,800
Arsenic	37,000	µg/kg	8,300	1,300	1,300	13,000	6,200	4,300	6,300	9,400	20,000	5,500	7,700
Copper	73,000,000	µg/kg	880,000	11,000	10,000	13,000,000	1,400,000	3,100,000	5,400,000	8,100,000	16,000,000	72,000	3,100,000
Iron	580,000,000	µg/kg	11,000,000 B	7,500,000 B	6,100,000 B	26,000,000	11,000,000	25,000,000	11,000,000	16,000,000	24,000,000	13,000,000	22,000,000
Lead	900,000	µg/kg	130,000 B	2,000 B	1,800	170,000	27,000	36,000	95,000	220,000	210,000	2,600	100,000

Field Sample ID: Sample Date: Sample Location:			LLI01-49NW-0602-SSXX	LLI01-49NE-0602-SSXX	LLI01-49SW-0602-SSXX	LLI01-52SE-0602-SSXX	LLI01-53NE-0602-SSXX	LLI01-53SE-0602-SSXX	LLI01-53SW-0602-SSXX	LLI01-54NW-0602-SSXX	LLI01-54NE-0602-SSXX	LLI01-54SE-0602-SSXX	LLI01-54SW-0602-SSXX
			7/25/2012 Grid Cell 49 (0.5' - 2')	7/25/2012 Grid Cell 49 (0.5' - 2')	7/25/2012 Grid Cell 49 (0.5' - 2')	7/28/2012 Grid Cell 52 (0.5' - 2')	7/29/2012 Grid Cell 53 (0.5' - 2')	7/29/2012 Grid Cell 53 (0.5' - 2')	7/29/2012 Grid Cell 53 (0.5' - 2')	7/28/2012 Grid Cell 54 (0.5' - 2')	7/28/2012 Grid Cell 54 (0.5' - 2')	7/28/2012 Grid Cell 54 (0.5' - 2')	7/28/2012 Grid Cell 54 (0.5' - 2')
ANALYTE	NONRESIDENTIAL DIRECT CONTACT CRITERIA*	UNITS											
Antimony	670,000	µg/kg	240	460	240	1,100 U	1,300 U	1,000 U	6,200	2,000	800 J	910 U	880 U
Arsenic	37,000	µg/kg	5,200	8,600	5,600	7,800	1,900	7,200	5,900	9,100	17,000	1,500	1,600
Copper	73,000,000	µg/kg	2,700,000	2,700,000	9,000,000	610,000	610,000	550,000	9,100,000	7,200,000	300,000	72,000	79,000
Iron	580,000,000	µg/kg	12,000,000 B	17,000,000 B	9,400,000 B	11,000,000	10,000,000	7,800,000	16,000,000	20,000,000	18,000,000	8,700,000	6,800,000
Lead	900,000	µg/kg	45,000 B	51,000 B	23,000	22,000	8,500	14,000	100,000	200,000	88,000	6,200	4,100

Field Sample ID: Sample Date: Sample Location:			LLI01-49NW-0205-SSXX	LLI01-49NE-0205-SSXX	LLI01-49SW-0205-SSXX	LLI01-52SE-0205-SSXX	LLI01-53NE-0205-SSXX	LLI01-53SE-0205-SSXX	LLI01-53SW-0205-SSXX	LLI01-54NW-0205-SSXX	LLI01-54NE-0205-SSXX	LLI01-54SE-0205-SSXX	LLI01-54SW-0205-SSXX
			7/25/2012 Grid Cell 49 (2' - 5')	7/25/2012 Grid Cell 49 (2' - 5')	7/25/2012 Grid Cell 49 (2' - 5')	7/28/2012 Grid Cell 52 (2' - 5')	7/29/2012 Grid Cell 53 (2' - 5')	7/29/2012 Grid Cell 53 (2' - 5')	7/29/2012 Grid Cell 53 (2' - 5')	7/28/2012 Grid Cell 54 (2' - 5')	7/28/2012 Grid Cell 54 (2' - 5')	7/28/2012 Grid Cell 54 (2' - 5')	7/28/2012 Grid Cell 54 (2' - 5')
ANALYTE	NONRESIDENTIAL DIRECT CONTACT CRITERIA*	UNITS											
Antimony	670,000	µg/kg	87 J	1,800	57 J	1,000 U	1,100 U	1,600 U	9,200	540 J	1,000 U	1,000 U	1,100 U
Arsenic	37,000	µg/kg	2,300	3,500	1,700	3,100	1,500	2,300	12,000	4,300	5,800	7,000	6,900
Copper	73,000,000	µg/kg	7,500,000	6,200,000	3,900,000	220,000	15,000	500,000	11,000,000	10,000,000	15,000	190,000	1,200,000
Iron	580,000,000	µg/kg	6,000,000 B	20,000,000 B	5,900,000 B	14,000,000	9,800,000	12,000,000	75,000,000	18,000,000	9,300,000	12,000,000	13,000,000
Lead	900,000	µg/kg	16,000 B	71,000 B	2,400	4,500	1,600	9,000	420,000	28,000	1,200	2,100	35,000

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25,000 Analytical result exceeds laboratory Reporting Limit
25,000 Analytical result exceeds direct contact criteria
* State of Michigan Part 201 Risked Based NonResidential Direct Contact Criteria

Field Sample ID: Sample Date: Sample Location:			LLI01-57NW-0006-SSXX	LLI01-57SE-0006-SSXX	LLI01-57SE-0005-0520	LLI01-58NE-0006-SSXX	LLI01-58SE-0006-SSXX	LLI01-58SW-0006-SSXX	LLI01-62SE-0006-SSXX	LLI01-63NW-0006-SSXX	LLI01-63NE-0006-SSXX	LLI01-63SE-0006-SSXX	LLI01-63SW-0006-SSXX
			7/30/2012 Grid Cell 57 (0' - 0.5')	7/30/2012 Grid Cell 57 (0' - 0.5')	5/20/2014 Grid Cell 57 (0' - 0.5')	7/25/2012 Grid Cell 58 (0' - 0.5')	7/25/2012 Grid Cell 58 (0' - 0.5')	7/25/2012 Grid Cell 58 (0' - 0.5')	7/29/2012 Grid Cell 62 (0' - 0.5')	7/29/2012 Grid Cell 63 (0' - 0.5')	7/29/2012 Grid Cell 63 (0' - 0.5')	7/29/2012 Grid Cell 63 (0' - 0.5')	7/29/2012 Grid Cell 63 (0' - 0.5')
ANALYTE	NONRESIDENTIAL DIRECT CONTACT CRITERIA*	UNITS											
Antimony	670,000	µg/kg	890 U	690 J	NS		62 J	64 J	1,100 U	540 J B	2,600 B	540 J B	690 J B
Arsenic	37,000	µg/kg	8,100	6,800	NS		1,100	1,200	5,100	5,100	8,200	6,400	13,000
Copper	73,000,000	µg/kg	1,200,000	1,000,000	NS	NO SAMPLE	11,000	9,100	300,000	5,200,000	9,600,000	4,300,000	2,700,000
Iron	580,000,000	µg/kg	8,400,000 B	18,000,000	NS		4,900,000 B	5,600,000 B	9,500,000	12,000,000 B	20,000,000 B	14,000,000 B	20,000,000 B
Lead	900,000	µg/kg	35,000	270,000 B	140,000		1,600 B	1,700 B	7,700	37,000 B	170,000 B	56,000 B	70,000 B

Field Sample ID: Sample Date: Sample Location:			LLI01-57NW-0602-SSXX	LLI01-57SE-0602-SSXX	LLI01-57SE-0502-0520	LLI01-58NE-0602-SSXX	LLI01-58SE-0602-SSXX	LLI01-58SW-0602-SSXX	LLI01-62SE-0602-SSXX	LLI01-63NW-0602-SSXX	LLI01-63NE-0602-SSXX	LLI01-63SE-0602-SSXX	LLI01-63SW-0602-SSXX
			7/30/2012 Grid Cell 57 (0.5' - 2')	7/30/2012 Grid Cell 57 (0.5' - 2')	5/20/2014 Grid Cell 57 (0.5' - 2')	7/25/2012 Grid Cell 58 (0.5' - 2')	7/25/2012 Grid Cell 58 (0.5' - 2')	7/25/2012 Grid Cell 58 (0.5' - 2')	7/29/2012 Grid Cell 62 (0.5' - 2')	7/29/2012 Grid Cell 63 (0.5' - 2')	7/29/2012 Grid Cell 63 (0.5' - 2')	7/29/2012 Grid Cell 63 (0.5' - 2')	7/29/2012 Grid Cell 63 (0.5' - 2')
ANALYTE	NONRESIDENTIAL DIRECT CONTACT CRITERIA*	UNITS											
Antimony	670,000	µg/kg	880 U	970 U	NS		270	130 J	1,100 U	980 U	990 U	570 J B	1,000 U
Arsenic	37,000	µg/kg	4,700	2,700	NS		4,900	2,900	2,500	710 J	1,900	3,500	1,600
Copper	73,000,000	µg/kg	860,000	2,000,000	NS	NO SAMPLE	2,000,000	2,400,000	910,000	25,000	1,200,000	22,000,000	520,000
Iron	580,000,000	µg/kg	7,100,000 B	8,600,000	NS		10,000,000 B	6,900,000 B	12,000,000	6,400,000 B	9,700,000 B	7,400,000 B	12,000,000 B
Lead	900,000	µg/kg	31,000	40,000 B	260,000		55,000 B	92,000 B	4,300	1,500 B	13,000 B	2,200 J B	2,800 B

Field Sample ID: Sample Date: Sample Location:			LLI01-57NW-0205-SSXX	LLI01-57SE-0205-SSXX	LLI01-57SE-0205-0520	LLI01-58NE-0205-SSXX	LLI01-58SE-0205-SSXX	LLI01-58SW-0205-SSXX	LLI01-62SE-0205-SSXX	LLI01-63NW-0205-SSXX	LLI01-63NE-0205-SSXX	LLI01-63SE-0205-SSXX	LLI01-63SW-0205-SSXX
			7/30/2012 Grid Cell 57 (2' - 5')	7/30/2012 Grid Cell 57 (2' - 5')	5/20/2014 Grid Cell 57 (2' - 5')	7/25/2012 Grid Cell 58 (2' - 5')	7/25/2012 Grid Cell 58 (2' - 5')	7/25/2012 Grid Cell 58 (2' - 5')	7/29/2012 Grid Cell 62 (2' - 5')	7/29/2012 Grid Cell 63 (2' - 5')	7/29/2012 Grid Cell 63 (2' - 5')	7/29/2012 Grid Cell 63 (2' - 5')	7/29/2012 Grid Cell 63 (2' - 5')
ANALYTE	NONRESIDENTIAL DIRECT CONTACT CRITERIA*	UNITS											
Antimony	670,000	µg/kg	1,100 U	1,000 U			57 J	58 J	1,200 U	820 U	910 U	1,200 U	1,100 U
Arsenic	37,000	µg/kg	1,600	1,800		NO SAMPLE	1,400	2,000	2,200	1,300	1,200	2,500	1,800
Copper	73,000,000	µg/kg	470,000	870,000	NO SAMPLE	NO SAMPLE	3,500,000	1,600,000	900,000	42,000	7,000	35,000	1,100,000
Iron	580,000,000	µg/kg	9,600,000	5,700,000			7,300,000 B	6,300,000 B	13,000,000	9,200,000 B	4,900,000 B	24,000,000 B	13,000,000 B
Lead	900,000	µg/kg	12,000 B	7,500 B			6,000 B	8,200 B	5,000	1,600 B	650 B	3,600 B	3,400 B

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U - Analytical result is reported below the Method Detection Limit
25,000 Analytical result exceeds laboratory Reporting Limit
25,000 Analytical result exceeds direct contact criteria
* State of Michigan Part 201 Risked Based NonResidential Direct Contact Criteria

Field Sample ID: Sample Date: Sample Location:			LLI01-64NW-0005-SSXX	LLI01-64NE-0005-0519	LLI01-66SE-0006-SSXX	LLI01-66SE-0005-0520	LLI01-70NE-0005-SSXX	LLI01-70NW-0005-SSXX	LLI01-70SW-0005-SSXX	LLI01-71NW-0006-SSXX	LLI01-71SE-0006-SSXX	LLI01-71SW-0006-SSXX	LLI01-72SW-0005-SSXX
			5/22/2013 Grid Cell 64 (0' - 0.5')	5/19/2014 Grid Cell 64 (0' - 0.5')	7/30/2012 Grid Cell 66 (0' - 0.5')	5/20/2014 Grid Cell 66 (0' - 0.5')	5/22/2013 Grid Cell 70 (0' - 0.5')	5/22/2013 Grid Cell 70 (0' - 0.5')	5/22/2013 Grid Cell 70 (0' - 0.5')	7/28/2012 Grid Cell 71 (0' - 0.5')	7/28/2012 Grid Cell 71 (0' - 0.5')	7/28/2012 Grid Cell 71 (0' - 0.5')	5/22/2013 Grid Cell 72 (0' - 0.5')
ANALYTE	NONRESIDENTIAL DIRECT CONTACT CRITERIA*	UNITS											
Antimony	670,000	µg/kg	1,600 J	NS	1,000 U	NS	1,100 J	1,100 UJ	1,100 UJ	950 U	1,000 U	1,700	1,600 J
Arsenic	37,000	µg/kg	6,200	NS	9,200	NS	7,600	3,800	5,000	7,700	5,000	8,400	5,600
Copper	73,000,000	µg/kg	2,200,000	NS	4,100,000	NS	5,600,000	1,600,000	1,300,000	2,500,000	1,500,000	8,700,000	5,300,000
Iron	580,000,000	µg/kg	13,000,000	NS	22,000,000 B	NS	16,000,000	12,000,000	12,000,000	14,000,000 B	9,500,000 B	17,000,000	14,000,000
Lead	900,000	µg/kg	130,000	90,000	120,000	150,000	62,000	51,000	35,000	52,000	25,000	73,000	77,000

Field Sample ID: Sample Date: Sample Location:			LLI01-64NW-0502-SSXX	LLI01-64NE-0502-0519	LLI01-66SE-0602-SSXX	LLI01-66SE-0502-0520	LLI01-70NE-0502-SSXX	LLI01-70NW-0502-SSXX	LLI01-70SW-0502-SSXX	LLI01-71NW-0602-SSXX	LLI01-71SE-0602-SSXX	LLI01-71SW-0602-SSXX	LLI01-72SW-0502-SSXX
			5/22/2013 Grid Cell 64 (0.5' - 2')	5/19/2014 Grid Cell 64 (0.5' - 2')	7/30/2012 Grid Cell 66 (0.5' - 2')	5/20/2014 Grid Cell 66 (0.5' - 2')	5/22/2013 Grid Cell 70 (0.5' - 2')	5/22/2013 Grid Cell 70 (0.5' - 2')	5/22/2013 Grid Cell 70 (0.5' - 2')	7/28/2012 Grid Cell 71 (0.5' - 2')	7/28/2012 Grid Cell 71 (0.5' - 2')	7/28/2012 Grid Cell 71 (0.5' - 2')	5/22/2013 Grid Cell 72 (0.5' - 2')
ANALYTE	NONRESIDENTIAL DIRECT CONTACT CRITERIA*	UNITS											
Antimony	670,000	µg/kg	940 J	NS	1,100 U	NS	910 UJ	1,100 UJ	930 UJ	1,000 U	1,100 U	1,100 U	390 J
Arsenic	37,000	µg/kg	3,000 J	NS	10,000	NS	1,300	3,900	1,100	1,400	2,100	2,500	3,700
Copper	73,000,000	µg/kg	1,200,000 J	NS	1,800,000	NS	22,000	1,100,000	13,000	180,000	180,000	780,000	1,400,000
Iron	580,000,000	µg/kg	8,900,000 J	NS	22,000,000 B	NS	9,900,000	19,000,000	5,400,000	7,600,000 B	8,500,000 B	9,400,000	12,000,000
Lead	900,000	µg/kg	49,000 J	75,000	220,000	77,000	1,400	56,000	1,400	2,000	6,100	21,000	31,000

Field Sample ID: Sample Date: Sample Location:			LLI01-64NW-0205-SSXX	LLI01-64NE-0205-0519	LLI01-66SE-0205-SSXX	LLI01-66SE-0205-0520	LLI01-70NE-0205-SSXX	LLI01-70NW-0205-SSXX	LLI01-70SW-0205-SSXX	LLI01-71NW-0205-SSXX	LLI01-71SE-0205-SSXX	LLI01-71SW-0205-SSXX	LLI01-72SW-0205-SSXX
			5/22/2013 Grid Cell 64 (2' - 5')	5/22/2013 Grid Cell 64 (2' - 5')	7/30/2012 Grid Cell 66 (2' - 5')	5/20/2014 Grid Cell 66 (2' - 5')	5/22/2013 Grid Cell 70 (2' - 5')	5/22/2013 Grid Cell 70 (2' - 5')	5/22/2013 Grid Cell 70 (2' - 5')	7/28/2012 Grid Cell 71 (2' - 5')	7/28/2012 Grid Cell 71 (2' - 5')	7/28/2012 Grid Cell 71 (2' - 5')	5/22/2013 Grid Cell 72 (2' - 5')
ANALYTE	NONRESIDENTIAL DIRECT CONTACT CRITERIA*	UNITS											
Antimony	670,000	µg/kg	950 J				1,000 UJ	1,000 UJ	990 UJ	1,000 U	1,000 U	1,000 U	1,700 J
Arsenic	37,000	µg/kg	9,500				900 J	1,600	1,500	780 J	1,400	2,400	6,900
Copper	73,000,000	µg/kg	3,400,000	NO SAMPLE	NO SAMPLE	NO SAMPLE	7,100	22,000	17,000	5,100	89,000	30,000	5,700,000
Iron	580,000,000	µg/kg	17,000,000				4,500,000	12,000,000	9,500,000	4,300,000 B	7,000,000 B	4,500,000 B	24,000,000
Lead	900,000	µg/kg	390,000				850	2,100	1,600	1,100	2,700	1,200	160,000

NOTES:
B - Analytical result is reported above the Method Detection Limit or Reporting Limi
J - Analytical result is reported above the Method Detection Limit, but below the Re
U - Analytical result is reported below the Method Detection Limit
25,000 Analytical result exceeds laboratory Reporting Limit
25,000 Analytical result exceeds direct contact criteria
* State of Michigan Part 201 Risked Based NonResidential Direct Contact Criteria

Field Sample ID:		LLI01-01NE-0006-SSXX	LLI01-DP34-XXXX-SSFD	LLI01-03NW-0006-SSXX	LLI01-DP06-XXXX-SSFD	LLI01-05NE-0006-SSXX	LLI01-DP05-XXXX-SSFD	LLI01-06SW-0602-SSXX	LLI01-DP08-XXXX-SSFD	LLI01-07NE-0205-SSXX	LLI01-DP09-XXXX-SSFD	LLI01-08NW-0602-SSXX	LLI01-DP07-XXXX-SSFD	LLI01-28SW-0602-SSXX
Sample Date:		8/1/2012	8/1/2012	7/26/2012	7/26/2012	7/26/2012	7/26/2012	7/26/2012	7/26/2012	7/26/2012	7/26/2012	7/26/2012	7/26/2012	7/27/2012
Sample Location:		Grid Cell 1 (0' - 0.5')	Grid Cell 1 (0' - 0.5')	Grid Cell 3 (0' - 0.5')	Grid Cell 3 (0' - 0.5')	Grid Cell 5 (0' - 0.5')	Grid Cell 5 (0' - 0.5')	Grid Cell 6 (0.5' - 2')	Grid Cell 6 (0.5' - 2')	Grid Cell 7 (2' - 5')	Grid Cell 7 (2' - 5')	Grid Cell 8 (0.5' - 2')	Grid Cell 8 (0.5' - 2')	Grid Cell 28 (0.5' - 2')
ANALYTE	UNITS		(DUPLICATE)		(DUPLICATE)		(DUPLICATE)		(DUPLICATE)		(DUPLICATE)		(DUPLICATE)	
Antimony	µg/kg	500 J	1,400	1,100 U	980 U	520 J B	680 J	1,000 U	1,100 U	590 J B	630 J	990 U	1,100 U	960 U
Arsenic	µg/kg	9,200	9,000	680 J	670 J	9,900	12,000	2,300	2,900	3,300	2,600	8,700	6,800	3,700
Copper	µg/kg	3,100,000	5,400,000	10,000	8,000	640,000	570,000	29,000	18,000	5,400,000	13,000,000	1,200,000	2,200,000	420,000
Iron	µg/kg	13,000,000	14,000,000	3,300,000	3,500,000 B	17,000,000	10,000,000 B	3,800,000	6,300,000 B	4,200,000	6,700,000 B	7,200,000	12,000,000 B	7,300,000
Lead	µg/kg	160,000 B	170,000 B	870	1,200	52,000	57,000	1,500	5,600	1,200 J	3,500	38,000	56,000	9,100

Field Sample ID:		LLI01-10SE-0602-SSXX	LLI01-DP33-XXXX-SSFD	LLI01-11NE-0602-SSXX	LLI01-DP14-XXXX-SSFD	LLI01-13SW-0205-SSXX	LLI01-DP10-XXXX-SSFD	LLI01-14SE-0205-SSXX	LLI01-DP12-XXXX-SSFD	LLI01-14SW-0602-SSXX	LLI01-DP11-XXXX-SSFD	LLI01-17SE-0602-SSXX	LLI01-DP13-XXXX-SSFD	LLI01-42NE-0205-SSXX
Sample Date:		7/30/2012	7/30/2012	7/27/2012	7/27/2012	7/26/2012	7/26/2012	7/27/2012	7/27/2012	7/27/2012	7/27/2012	7/27/2012	7/27/2012	7/28/2012
Sample Location:		Grid Cell 10 (0.5' - 2')	Grid Cell 10 (0.5' - 2')	Grid Cell 11 (0.5' - 2')	Grid Cell 11 (0.5' - 2')	Grid Cell 13 (2' - 5')	Grid Cell 13 (2' - 5')	Grid Cell 14 (2' - 5')	Grid Cell 14 (2' - 5')	Grid Cell 14 (0.5' - 2')	Grid Cell 14 (0.5' - 2')	Grid Cell 17 (0.5' - 2')	Grid Cell 17 (0.5' - 2')	Grid Cell 42 (2' - 5')
ANALYTE	UNITS		(DUPLICATE)		(DUPLICATE)		(DUPLICATE)		(DUPLICATE)		(DUPLICATE)		(DUPLICATE)	
Antimony	µg/kg	970 U	1,000 U	1,200 U	880 J B	510 J	1,100 U	450 J	1,100 B	1,100 U	1,200 U	990 U	830 J B	1,400 U
Arsenic	µg/kg	2,100	2,000	8,200	4,700	6,000	2,400	3,900	4,600	7,900	4,100	10,000	2,800	1,800
Copper	µg/kg	360,000	320,000	90,000	92,000	18,000	26,000	7,300,000	3,600,000	480,000	590,000 B	12,000	18,000	73,000
Iron	µg/kg	6,100,000	4,300,000	2,500,000	2,000,000 B	7,100,000 B	8,300,000 B	7,700,000 B	6,700,000 B	9,300,000	6,700,000	21,000,000 B	14,000,000 B	9,300,000
Lead	µg/kg	13,000 B	13,000 B	12,000 B	7,700	1,800	1,900	5,300	6,100	11,000	9,300	6,100	980	4,300

Field Sample ID:		LLI01-18NW-0602-SSXX	LLI01-DP15-XXXX-SSFD	LLI01-19SW-0205-SSXX	LLI01-DP16-XXXX-SSFD	LLI01-20NE-0602-SSXX	LLI01-DP19-XXXX-SSFD	LLI01-21SW-0006-SSXX	LLI01-DP20-XXXX-SSFD	LLI01-24SE-0205-SSXX	LLI01-24SE-DUP1-SSXX	LLI01-28NW-0205-SSXX	LLI01-DP18-XXXX-SSFD	LLI01-54SE-0602-SSXX
Sample Date:		7/27/2012	7/27/2012	7/27/2012	7/27/2012	7/27/2012	7/27/2012	7/27/2012	7/27/2012	5/21/2013	5/21/2013	7/27/2012	7/27/2012	7/28/2012
Sample Location:		Grid Cell 18 (0.5' - 2')	Grid Cell 18 (0.5' - 2')	Grid Cell 19 (2' - 5')	Grid Cell 19 (2' - 5')	Grid Cell 20 (0.5' - 2')	Grid Cell 20 (0.5' - 2')	Grid Cell 21 (0' - 0.5')	Grid Cell 21 (0' - 0.5')	Grid Cell 24 (2' - 5')	Grid Cell 24 (2' - 5')	Grid Cell 28 (2' - 5')	Grid Cell 28 (2' - 5')	Grid Cell 54 (0.5' - 2')
ANALYTE	UNITS		(DUPLICATE)		(DUPLICATE)		(DUPLICATE)		(DUPLICATE)		(DUPLICATE)		(DUPLICATE)	
Antimony	µg/kg	1,000 U	1,400 B	3,600 J	3,000 J B	1,200 U	750 J B	2,600	1,800 B	1,200 UJ	1,000 UJ	1,200 U	1,100 B	910 U
Arsenic	µg/kg	4,600	6,300	8,000	11,000	11,000	13,000	19,000	15,000	3,600	9,600 J	3,800	3,100	1,500
Copper	µg/kg	1,900,000	1,900,000	1,700,000	850,000	3,700,000 B	8,900,000	1,100,000 B	630,000	130,000	950,000	230,000 B	2,400,000	72,000
Iron	µg/kg	9,800,000	14,000,000 B	68,000,000	63,000,000 B	13,000,000	13,000,000 B	16,000,000	13,000,000 B	7,100,000	14,000,000	8,400,000	6,900,000 B	8,700,000
Lead	µg/kg	42,000 B	89,000	46,000	100,000	17,000	79,000	77,000	61,000	5,300	140,000	21,000	6,400	6,200

NOTES:
B - Analytical result is reported above the Method Detection Limit or Reporting Limit, and the associated method blank sample result is reported above the Reporting Limit
J - Analytical result is reported above the Method Detection Limit, but below the Reporting Limit
U - Analytical result is reported below the Method Detection Limit

Field Sample ID:		LLI01-DP17-XXXX-SSFD	LLI01-34NE-0502-SSXX	LLI01-34NE-DUP2-SSXX	LLI01-35NE-0602-SSXX	LLI01-DP23-XXXX-SSFD	LLI01-36NE-0205-SSXX	LLI01-DP22-XXXX-SSFD	LLI01-37NW-0205-SSXX	LLI01-DP21-XXXX-SSFD	LLI01-39SE-0006-SSXX	LLI01-DP04-XXXX-SSFD	LLI01-39SW-0006-SSXX	LLI01-DP03-XXXX-SSFD																				
Sample Date:		7/27/2012	5/21/2013	5/21/2013	7/28/2012	7/28/2012	7/28/2012	7/28/2012	7/28/2012	7/28/2012	7/25/2012	7/25/2012	7/25/2012	7/25/2012																				
Sample Location:		Grid Cell 28 (0.5' - 2')	Grid Cell 34 (0.5' - 2')	Grid Cell 34 (0.5' - 2')	Grid Cell 35 (0.5' - 2')	Grid Cell 35 (0.5' - 2')	Grid Cell 36 (2' - 5')	Grid Cell 36 (2' - 5')	Grid Cell 37 (2' - 5')	Grid Cell 37 (2' - 5')	Grid Cell 39 (0' - 0.5')	Grid Cell 39 (0' - 0.5')	Grid Cell 39 (0' - 0.5')	Grid Cell 39 (0' - 0.5')																				
ANALYTE	UNITS	(DUPLICATE)		(DUPLICATE)		(DUPLICATE)		(DUPLICATE)		(DUPLICATE)		(DUPLICATE)		(DUPLICATE)																				
Antimony	µg/kg	1,900	B	3,300	J	460	J	890	U	930	U	620	J	1,100	U	830	B	790	U	1,800	B	1,200	B	6,600		2,100	B							
Arsenic	µg/kg	22,000		15,000		7,700		3,800		5,100		21,000		5,900		2,200		2,200		6,100		7,700		13,000		20,000								
Copper	µg/kg	27,000,000		1,000,000		310,000		490,000		850,000		82,000		21,000		690,000		6,100,000		4,200,000		3,700,000		16,000,000		3,300,000								
Iron	µg/kg	21,000,000	B	16,000,000		14,000,000		9,300,000	B	9,300,000	B	13,000,000	B	13,000,000	B	580,000	B	5,200,000	B	20,000,000		21,000,000		16,000,000	B	24,000,000								
Lead	µg/kg	63,000		110,000		13,000	J	10,000		11,000		8,500		1,400		2,200		2,700		58,000		62,000		230,000		140,000								
Field Sample ID:		LLI01-DP24-XXXX-SSFD	LLI01-43SW-0602-SSXX	LLI01-DP25-XXXX-SSFD	LLI01-44NW-0602-SSXX	LLI01-DP29-XXXX-SSFD	LLI01-45NE-0205-SSXX	LLI01-DP26-XXXX-SSFD	LLI01-48SW-0006-SSXX	LLI01-DP02-XXXX-SSFD	LLI01-49NE-0205-SSXX	LLI01-DP01-XXXX-SSFD	LLI01-53SE-0602-SSXX	LLI01-DP31-XXXX-SSFD																				
Sample Date:		7/28/2012	7/28/2012	7/28/2012	7/29/2012	7/29/2012	7/28/2012	7/28/2012	7/25/2012	7/25/2012	7/25/2012	7/25/2012	7/29/2012	7/29/2012																				
Sample Location:		Grid Cell 42 (2' - 5')	Grid Cell 43 (0.5' - 2')	Grid Cell 43 (0.5' - 2')	Grid Cell 44 (2' - 5')	Grid Cell 44 (2' - 5')	Grid Cell 45 (2' - 5')	Grid Cell 45 (2' - 5')	Grid Cell 48 (0' - 0.5')	Grid Cell 48 (0' - 0.5')	Grid Cell 49 (2' - 5')	Grid Cell 49 (2' - 5')	Grid Cell 53 (0.5' - 2')	Grid Cell 53 (0.5' - 2')																				
ANALYTE	UNITS	(DUPLICATE)		(DUPLICATE)		(DUPLICATE)		(DUPLICATE)		(DUPLICATE)		(DUPLICATE)		(DUPLICATE)																				
Antimony	µg/kg		1,500	U		850	U		860	U		1,200	U		1,200	U		1,000	U		1,100	U												
Arsenic	µg/kg	3,400		820	J	1,600		1,700		1,900		2,200		1,900		8,300		7,900		3,500		3,600		7,200		28,000								
Copper	µg/kg	760,000		1,200,000		1,100,000		180,000		350,000		930,000		800,000		6,500,000		8,100,000		6,200,000		6,600,000		550,000		320,000								
Iron	µg/kg	7,500,000	B	18,000,000		13,000,000	B	9,900,000	B	11,000,000		8,900,000		8,000,000	B	12,000,000	B	13,000,000		20,000,000	B	14,000,000		7,800,000		35,000,000								
Lead	µg/kg	21,000		1,200		5,700		2,400	B	3,400		32,000		14,000		240,000		120,000		71,000	B	19,000		14,000		24,000								
Field Sample ID:		LLI01-DP27-XXXX-SSFD	LLI01-63NW-0602-SSXX	LLI01-DP30-XXXX-SSFD	LLI01-64NW-0205-SSXX	LLI01-DUP4-XXXX-SSXX	LLI01-66SE-0602-SSXX	LLI01-DP32-XXXX-SSFD	LLI01-70NW-0205-SSXX	LLI01-DUP3-XXXX-SSXX	LLI01-71SW-0602-SSXX	LLI01-DP28-XXXX-SSFD																						
Sample Date:		7/28/2012	7/29/2012	7/29/2012	5/22/2013	5/22/2013	7/30/2012	7/30/2012	5/22/2013	5/22/2013	7/28/2012	7/28/2012																						
Sample Location:		Grid Cell 54 (0.5' - 2')	Grid Cell 63 (0.5' - 2')	Grid Cell 63 (0.5' - 2')	Grid Cell 64 (2' - 5')	Grid Cell 64 (2' - 5')	Grid Cell 66 (0.5' - 2')	Grid Cell 66 (0.5' - 2')	Grid Cell 70 (2' - 5')	Grid Cell 70 (2' - 5')	Grid Cell 71 (0'.5 - 2')	Grid Cell 71 (0'.5 - 2')																						
ANALYTE	UNITS	(DUPLICATE)		(DUPLICATE)		(DUPLICATE)		(DUPLICATE)		(DUPLICATE)		(DUPLICATE)																						
Antimony	µg/kg		780	U		980	U		940	U		950	J		1,300	J		1,100	U		460	J		1,000	UJ		920	UJ		1,100	U		1,200	U
Arsenic	µg/kg	1,200		710	J	730	J		9,500		17,000	J	10,000		10,000		1,600		1,800		2,500		4,400											
Copper	µg/kg	21,000		25,000		64,000		3,400,000		7,600,000	J	1,800,000		2,100,000		22,000		24,000		780,000		170,000												
Iron	µg/kg	6,700,000	B	6,400,000	B	4,900,000		17,000,000		19,000,000	J	22,000,000	B	21,000,000		12,000,000		12,000,000		9,400,000		9,700,000	B											
Lead	µg/kg	1,900		1,500	B	2,100		390,000		440,000	J	220,000		220,000	B	2,100		2,200		21,000		29,000												

NOTES:
B - Analytical result is reported above the Met
J - Analytical result is reported above the Met
U - Analytical result is reported below the Met

Honeywell Site ID 37156
Project # 3293111440

August 2012

TABLE 2.3 - TOTAL ASBESTOS SOIL SAMPLING RESULTS SUMMARY
Lake Linden Calumet and Hecla Power House Site
Torch Lake Township, Michigan

Sample Location: Sample Date:		Grid Cell 1 8/1/2012	Grid Cell 2 7/26/2012	Grid Cell 3 7/26/2012	Grid Cell 4 7/30/2012	Grid Cell 5 7/26/2012	Grid Cell 6 7/26/2012	Grid Cell 7 7/26/2012	Grid Cell 8 7/26/2012	Grid Cell 9 7/26/2012	Grid Cell 10 7/26/2012 & 7/30/2012	Grid Cell 11 7/27/2012	Grid Cell 12 7/26/2012	Grid Cell 13 7/26/2012
Sample Interval (feet)														
0 - 0.5	Total Asbestos (%)	0.80	0.40	<0.10	0.60	1.00	0.60	0.80	0.90	0.30	0.70	0.40	1.20	2.60
0.5 - 2.0	Total Asbestos (%)	1.50	<0.10	0.40	0.30	0.10	0.70	1.30	0.50	0.30	0.90	0.10	4.10	2.10
2.0 - 5.0	Total Asbestos (%)	0.90	0.90	0.70	0.40	0.30	0.70	1.10	0.80	1.10	0.50	0.20	1.00	0.40
Sample Location: Sample Date:		Grid Cell 14 7/27/2012	Grid Cell 15 7/27/2012	Grid Cell 17 7/27/2012	Grid Cell 18 7/27/2012	Grid Cell 19 7/27/2012	Grid Cell 20 7/27/2012	Grid Cell 21 7/27/2012	Grid Cell 23 5/20/2014	Grid Cell 24/25 5/19/2014	Grid Cell 25/26 5/19/2014	Grid Cell 27 7/27/2012	Grid Cell 28 7/27/2012	Grid Cell 30 7/28/2012
0 - 0.5	Total Asbestos (%)	1.20	0.80	0.50	0.90	0.50	1.40	0.30	NS PR	<0.10	<0.10	0.30	0.60	0.80
0.5 - 2.0	Total Asbestos (%)	0.90	0.30	0.90	0.70	0.20	0.90	0.70	NS PR	<0.10	<0.10	0.20	0.30	0.40
2.0 - 5.0	Total Asbestos (%)	0.50	0.70	NS PR	0.30	0.20	0.40	0.40	NS PR	<0.10	<0.10	0.80	0.50	1.00
Sample Location: Sample Date:		Grid Cell 31 5/20/2014	Grid Cell 32/33 5/19/2014	Grid Cell 34 5/19/2014	Grid Cell 35 7/28/2012	Grid Cell 36 7/28/2012	Grid Cell 37 7/28/2012	Grid Cell 39 7/26/2012	Grid Cell 40 7/26/2012	Grid Cell 41 5/19/2014	Grid Cell 42 7/28/2012	Grid Cell 43 7/28/2012	Grid Cell 44 7/29/2012	Grid Cell 45 7/28/2012
0 - 0.5	Total Asbestos (%)	<0.10	<0.10	<0.10	1.10	0.80	<0.10	0.60	<0.10	<0.10	0.50	0.30	0.40	1.00
0.5 - 2.0	Total Asbestos (%)	<0.10	<0.10	<0.10	0.30	0.50	0.70	1.00	0.50	<0.10	0.20	0.40	0.80	0.30
2.0 - 5.0	Total Asbestos (%)	NS	<0.10	<0.10	<0.10	0.60	0.10	0.70	0.50	<0.10	0.50	0.10	0.60	0.50
Sample Location: Sample Date:		Grid Cell 47 5/20/2014	Grid Cell 48 7/25/2012	Grid Cell 49 7/25/2012	Grid Cell 52 7/28/2012	Grid Cell 53 7/29/2012	Grid Cell 54 7/29/2012	Grid Cell 57 7/30/2012	Grid Cell 58 7/25/2012	Grid Cell 62 7/29/2012	Grid Cell 63 7/29/2012	Grid Cell 64/72 5/19/2014	Grid Cell 66 7/30/2012	Grid Cell 70 5/19/2014
0 - 0.5	Total Asbestos (%)	<0.10	0.40	<0.10	0.60	0.70	0.30	0.60	0.20	1.10	0.60	<0.10	1.60	<0.10
0.5 - 2.0	Total Asbestos (%)	<0.10	0.70	0.70	0.40	1.40	0.60	1.70	0.40	1.00	0.70	<0.10	1.30	<0.10
2.0 - 5.0	Total Asbestos (%)	<0.10	0.30	0.50	0.10	1.10	0.20	0.40	0.70	0.90	0.50	<0.10	NS PR	<0.10
Sample Location: Sample Date:		Grid Cell 71 7/28/2012	Grid Cell 1 Duplicate 8/1/2012	Grid Cell 2 Duplicate 7/26/2012	Grid Cell 4 Duplicate 7/30/2012	Grid Cell 8 Duplicate 7/30/2012	Grid Cell 11 Duplicate 7/27/2012	Grid Cell 13 Duplicate 7/26/2012	Grid Cell 28 Duplicate 7/27/2012	Grid Cell 36 Duplicate 7/28/2012	Grid Cell 43 Duplicate 7/28/2012	Grid Cell 44 Duplicate 7/29/2012	Grid Cell 66 Duplicate 7/30/2012	
0 - 0.5	Total Asbestos (%)	0.40	1.90	NS	1.40	NS	0.20	0.70	0.50	NS	NS	NS	0.60	
0.5 - 2.0	Total Asbestos (%)	1.30	NS	1.10	NS	0.40	NS	NS	NS	NS	0.60	NS	NS	
2.0 - 5.0	Total Asbestos (%)	0.90	NS	NS	NS	NS	NS	NS	NS	0.60	NS	0.90	NS	

NOTES:

% - percent asbestos fibers per sample weight
PR - poor/no recovery due to probe refusal
UA - Soil boring location was unaccessable due to remnant structures and therefore no sample was collected
Analysis was performing using CARB 435 Preparation Method and PLM USEPA Method 600/R-93/116
1.0 Analytical result exceeds laboratory reporting limit
1.0 Analytical result exceeds 1% asbestos concentration.

Amec Environment & Infrastructure, Inc.
1 of 1

Created By: DRS 08/15/12
Checked By: KC 08/21/12

TABLE 2.4 - ACTIVITY BASED SAMPLING RESULTS SUMMARY (HIGH AREAS)
Lake Linden Calumet and Hecla Power Plant Site
Torch Lake Township, Michigan

Field Sample ID: Sample Date: Sample Location:		LLI01-01XX-AC01 9/15/2012 Cell 1	LLI01-01XX-AC02 9/15/2012 Cell 1	LLI01-01XX-AC03 9/15/2012 Cell 1	LLI01-05XX-AC01 9/13/2012 Cell 5	LLI01-05XX-AC02 9/13/2012 Cell 5	LLI01-05XX-AC04 10/3/2012 Cell 5	LLI01-07XX-AC01 9/12/2012 Cell 7	LLI01-07XX-AC02 9/12/2012 Cell 7	LLI01-07XX-AC03 9/12/2012 Cell 7	LLI01-08XX-AC01 9/14/2012 Cell 8	LLI01-08XX-AC02 9/14/2012 Cell 8	LLI01-08XX-AC03 9/14/2012 Cell 8
PARAMETER	UNITS												
Asbestos Lab Result	s / cc	<0.003	<0.003	<0.003	<0.003	0.004	<0.003 X	<0.003	<0.003	<0.003	0.003	0.003	<0.003
Asbestos Average	s / cc	<0.003			0.001			<0.003			0.002		

Field Sample ID: Sample Date: Sample Location:		LLI01-12XX-AC01 9/12/2012 Cell 12	LLI01-12XX-AC02 9/12/2012 Cell 12	LLI01-12XX-AC03 9/12/2012 Cell 12	LLI01-13XX-AC01 9/11/2012 Cell 13	LLI01-13XX-AC02 9/11/2012 Cell 13	LLI01-13XX-AC03 9/11/2012 Cell 13	LLI01-14XX-AC01 9/11/2012 Cell 14	LLI01-14XX-AC02 9/11/2012 Cell 14	LLI01-14XX-AC03 9/11/2012 Cell 14	LLI01-15XX-AC01 9/15/2012 Cell 15	LLI01-15XX-AC02 9/15/2012 Cell 15	LLI01-15XX-AC03 9/15/2012 Cell 15
PARAMETER	UNITS												
Asbestos Lab Result	s / cc	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	0.023	0.021 O	0.015	<0.003	<0.003	<0.003
Asbestos Average	s / cc	<0.003			<0.003			0.020			<0.003		

Field Sample ID: Sample Date: Sample Location:		LLI01-18XX-AC01 9/16/2012 Cell 18	LLI01-18XX-AC02 9/16/2012 Cell 18	LLI01-18XX-AC03 9/16/2012 Cell 18	LLI01-20XX-AC01 9/13/2012 Cell 20	LLI01-20XX-AC02 9/13/2012 Cell 20	LLI01-20XX-AC03 9/13/2012 Cell 20	LLI01-35XX-AC01 9/13/2012 Cell 35	LLI01-35XX-AC02 9/13/2012 Cell 35	LLI01-35XX-AC03 9/13/2012 Cell 35	LLI01-36XX-AC01 9/14/2012 Cell 36	LLI01-36XX-AC02 9/14/2012 Cell 36	LLI01-36XX-AC03 9/14/2012 Cell 36
PARAMETER	UNITS												
Asbestos Lab Result	s / cc	<0.003	<0.003	0.012	0.006	0.031	0.010	0.035	0.095	0.273	0.059	0.064	0.153
Asbestos Average	s / cc	0.004			0.016			0.134			0.092		

Field Sample ID: Sample Date: Sample Location:		LLI01-45XX-AC01 9/15/2012 Cell 45	LLI01-45XX-AC02 9/15/2012 Cell 45	LLI01-45XX-AC04 10/3/2012 Cell 45	LLI01-66XX-AC01 9/16/2012 Cell 66	LLI01-66XX-AC03 9/13/2012 Cell 66	LLI01-66XX-AC04 10/3/2012 Cell 66
PARAMETER	UNITS						
Asbestos Lab Result	s / cc	0.027	0.043	0.014 X	<0.003	<0.003	<0.003 X
Asbestos Average	s / cc	0.028			<0.003		

NOTES:
s / cc - structures per cubic centimeter
O - Sample filter was overloaded with particulates, the result was estimated.
X- Sample filter was occluded and could not be analyzed due to high amount of particulates present
TEM - Transmission Electron Microscopy
Results are compared to a site specific "Commercial Worker" remediation goal of 0.00842 fiber per cubic centimeter (f/cc)
Highlighted cells exceed "Commercial Worker" remediation goal
<0.003 - Sample result was reported below the method detection limit.
Analysis performed using TEM ISO Method 10312

TABLE 2.5 - ACTIVITY BASED SAMPLING RESULTS SUMMARY (MEDIUM AREAS)
Lake Linden Calumet and Hecla Power Plant Site
Torch Lake Township, Michigan

Field Sample ID: Sample Date: Sample Location:		LLI01-6XX-AC01 10/1/2012 Cell 6	LLI01-6XX-AC02 10/1/2012 Cell 6	LLI01-6XX-AC03 10/1/2012 Cell 6	LLI01-19XX-AC01 10/2/2012 Cell 19	LLI01-19XX-AC02 10/2/2012 Cell 19	LLI01-19XX-AC03 10/2/2012 Cell 19
PARAMETER	UNITS						
Asbestos Lab Result	s / cc	<0.003	<0.003	<0.003	<0.003	0.005	<0.003
Asbestos Average	s / cc	<0.003			0.002		
Field Sample ID: Sample Date: Sample Location:		LLI01-28XX-AC01 10/1/2012 Cell 28	LLI01-28XX-AC02 10/1/2012 Cell 28	LLI01-28XX-AC03 10/1/2012 Cell 28	LLI01-39XX-AC01 10/3/2012 Cell 39	LLI01-39XX-AC02 10/3/2012 Cell 39	LLI01-39XX-AC03 10/3/2012 Cell 39
PARAMETER	UNITS						
Asbestos Lab Result	s / cc	0.009	0.018	0.004	<0.003	<0.003	<0.003
Asbestos Average	s / cc	0.010			<0.003		
Field Sample ID: Sample Date: Sample Location:		LLI01-42XX-AC01 10/2/2012 Cell 42	LLI01-42XX-AC02 10/2/2012 Cell 42	LLI01-42XX-AC03 10/2/2012 Cell 42	LLI01-44XX-AC01 10/1/2012 Cell 44	LLI01-44XX-AC02 10/1/2012 Cell 44	LLI01-44XX-AC03 10/1/2012 Cell 44
PARAMETER	UNITS						
Asbestos Lab Result	s / cc	<0.003	<0.003	<0.003	0.005	0.018	0.010
Asbestos Average	s / cc	<0.003			0.011		
Field Sample ID: Sample Date: Sample Location:		LLI01-53XX-AC01 10/2/2012 Cell 53	LLI01-53XX-AC02 10/2/2012 Cell 53	LLI01-53XX-AC03 10/2/2012 Cell 53	LLI01-6362-AC01 10/3/2012 Cell 63 and 62	LLI01-6362-AC02 10/3/2012 Cell 63 and 62	LLI01-6362-AC03 10/3/2012 Cell 63 and 62
PARAMETER	UNITS						
Asbestos Lab Result	s / cc	<0.003	<0.003	<0.003	<0.003	<0.003	0.003
Asbestos Average	s / cc	<0.003			0.001		

NOTES:

s / cc - structures per cubic centimeter

O - Sample filter was overloaded with particulates, but the result was estimated

X- Sample filter was occluded and could not be analyzed due to high amount of particulates present

TEM - Transmission Electron Microscopy

Results are compared to a site specific "Commercial Worker" remediation goal of 0.00842 fiber per cubic centimeter (f/cc)

Highlighted cells exceed "Commercial Worker" remediation goal

<0.003 - Sample result was reported below the method detection limit

Analysis performed using TEM ISO Method 10312

Field Sample ID: Sample Date: Sample Location:		LLI01-0201-TGXX-AC09 6/8/2013 Cell 2	LLI01-0202-ASXX-AC10 6/8/2013 Cell 2	LLI01-0203-AMXX-AC01 6/9/2013 Cell 2	LLI01-0301-SLXX-AC08 6/7/2013 Cell 3	LLI01-0302-AMXX-AC07 6/8/2013 Cell 3	LLI01-0303-ASXX-AC08 6/8/2013 Cell 3	LLI01-0901-TGXX-AC05 6/7/2013 Cell 9	LLI01-0902-ASXX-AC06 6/7/2013 Cell 9	LLI01-0903-AMXX-AC07 6/7/2013 Cell 9	LLI01-1101-TGXX-AC01 6/8/2013 Cell 11	LLI01-1102-AMXX-AC02 6/8/2013 Cell 11	LLI01-1103-SLXX-AC03 6/8/2013 Cell 11
PARAMETER	UNITS												
Asbestos Lab Result	s / cc	<0.0052	<0.0053	N/A X	<0.0050	<0.0047	<0.0052	<.0052	<0.0054	<0.0047	<0.0048	<0.0053	<0.0052
Asbestos Average	s / cc	<0.0053			<0.0050			<0.0051			<0.0051		

Field Sample ID: Sample Date: Sample Location:		LLI01-1701-ASXX-AC04 6/8/2013 Cell 17	LLI01-1702-SLXX-AC05 6/8/2013 Cell 17	LLI01-1703-TGXX-AC06 6/8/2013 Cell 17	LLI01-2601-ASXX-AC02 6/4/2013 Cells 26 & 34	LLI01-2602-SLXX-AC03 6/4/2013 Cells 26 & 34	LLI01-2603-TGXX-AC04 6/4/2013 Cells 26 & 34	LLI01-3001-ASXX-AC03 6/9/2013 Cells 30 & 38	LLI01-3002-SLXX-AC04 6/9/2013 Cells 30 & 38	LLI01-3003-TGXX-AC05 6/9/2013 Cells 30 & 38	LLI01-3201-AMXX-AC05 6/4/2013 Cells 24, 25, 32, 33 and Cell 41	LLI01-3202-TGXX-AC06 6/4/2013 Cells 24, 25, 32, 33 and Cell 41	LLI01-3203-ASXX-AC07 6/4/2013 Cells 24, 25, 32, 33 and Cell 41
PARAMETER	UNITS				Chrysotile								Chrysotile
Asbestos Lab Result	s / cc	<0.0051	<0.0049	<0.0042	0.0018	<0.0052	<0.0050	<0.0030	<0.0030	<0.0051	<0.0049	<0.0049	0.0017
Asbestos Average	s / cc	<0.0047			0.0018			<0.0037			0.0017		

Field Sample ID: Sample Date: Sample Location:		LLI01-4001-TGXX-AC10 6/11/2013 Cell 40	LLI01-4002-LSXX-AC11 6/11/2013 Cell 40	LLI01-4003-ASXX-AC12 6/11/2013 Cell 40	LLI01-4301-ASXX-AC02 6/7/2013 Cell 43	LLI01-4302-SLXX-AC03 6/7/2013 Cell 43	LLI01-4303-AMXX-AC04 6/7/2013 Cell 43	LLI01-4701-AMXX-AC06 6/9/2013 Cells 47 & 56	LLI01-4702-SLXX-AC07 6/9/2013 Cells 47 & 56	LLI01-4703-ASXX-AC08 6/9/2013 Cells 47 & 56	LLI01-4801-AMXX-AC01 6/12/2013 Cell 48	LLI01-4802-SLXX-AC02 6/12/2013 Cell 48	LLI01-4803-TGXX-AC05 6/12/2013 Cell 48
PARAMETER	UNITS												
Asbestos Lab Result	s / cc	<0.0052	<0.0052	<0.0053	<0.0054	<0.0054	<0.0056	<0.0051	<0.0051	<0.0051	<0.0049	<0.0048	<0.0052
Asbestos Average	s / cc	<0.0052			<0.0055			<0.0051			<0.0050		

Field Sample ID: Sample Date: Sample Location:		LLI01-4901-TGXX-AC03 6/12/2013 Cell 49	LLI01-4902-ASXX-AC04 6/12/2013 Cell 49	LLI01-4903-AMXX-AC06 6/12/2013 Cell 49	LLI01-5401-SLXX-AC11 41433 Cell 54	LLI01-5402-AMXX-AC12 41433 Cell 54	LLI01-5403-TGXX-AC02 41434 Cell 54	LLI01-5701-ASXX-AC07 6/12/2013 Cell 57	LLI01-5702-TGXX-AC09 6/12/2013 Cell 57	LLI01-5703-SLXX-AC10 6/12/2013 Cell 57	LLI01-5801-SLXX-AC08 6/12/2013 Cell 58	LLI01-5802-ASXX-AC11 6/12/2013 Cell 58	LLI01-5803-AMXX-AC12 6/12/2013 Cell 58
PARAMETER	UNITS												
Asbestos Lab Result	s / cc	N/A X	N/A X	<0.0052	<0.0054	<0.0053	N/A X	<0.0051	<0.0051	<0.0054	<0.0050	<0.0051	<0.0053
Asbestos Average	s / cc	<0.0052			<0.0054			<0.0052			<0.0051		

Field Sample ID: Sample Date: Sample Location:		LLI01-6401-ASXX-AC07 6/11/2013 Cells 64 & 72	LLI01-6402-TGXX-AC08 6/11/2013 Cells 64 & 72	LLI01-6403-AMXX-AC09 6/11/2013 Cells 64 & 72	LLI01-7001-TGXX-AC01 6/11/2013 Cell 70	LLI01-7002-AMXX-AC02 6/11/2013 Cell 70	LLI01-7003-AMXX-AC05 6/11/2013 Cell 70	LLI01-7101-SLXX-AC03 6/11/2013 Cell 71	LLI01-7102-ASXX-AC04 6/11/2013 Cell 71	LLI01-7103-SLXX-AC06 6/11/2013 Cell 71
PARAMETER	UNITS									
Asbestos Lab Result	s / cc	<0.0050	<0.0053	<0.0051	<0.0051	<0.0054	<0.0052	<0.0055	<0.0052	<0.0052
Asbestos Average	s / cc	<0.0051			<0.0052			<0.0053		

NOTES:

s / cc - structures per cubic centimeter

O - Sample filter was overloaded with particulates, but the result was estimated

X- Sample filter was occluded and could not be analyzed due to high amount of particulates present

TEM - Transmission Electron Microscopy

Results are compared to a site specific "Commercial Worker" remediation goal of 0.00842 fiber per cubic centimeter (f/cc)

Highlighted cells exceed "Commercial Worker" remediation goal

<0.0050 - Sample result was reported below the method detection limit

Analysis performed using TEM ISO Method 10312

Table 2.7
Exposure Risk Scenarios for Lake Linden Site

	Exposure Time (Days)	Exposure Frequency (Days)	Exposure Duration (Years)	Average Time (Days)	Inhalation Unit Risk (f/cc)	Acceptable Risk (Cancer Risk 1×10^{-4})	Conc. In Air (Remediation Goal) f/cc
Commercial Worker	0.33	160	25	25550	0.23	0.0001	0.00842
Recreation Child	0.08	60	10	25550	0.23	0.0001	0.23143
Recreation Adult	0.08	60	20	25550	0.23	0.0001	0.11572

Calculation to Determine Concentration in Air

$$CA = \frac{(\text{Risk} \times AT)}{ET \times ED \times EF \times IU} \text{ where}$$

Risk is the EPA Acceptable Exposure F (1×10^{-4})

AT is the Average Time or 365 days x lifetime (70 years)

CA is Concentration in Air

ET is Exposure Time (day)

EF is Exposure Frequency (Days)

ED is Exposure Duration

IUR is inhalation unit risk (EPA IRIS Database)

Assumptions: Commercial worker:

8 hours per day for 25 years

5 days a week for 8 months -- the other four months the site is snow-covered

Standard lifetime exposure risk (inhalation unit risk -- 70 years)

Assumption 2: Recreation Child

2 hours per day

3 days a week for 5 months (May through September) for ten years

Standard lifetime exposure risk (inhalation unit risk -- 70 years)

Assumption 3: Recreation Adult

2 hours per day

3 days per week for 5 months (May through September) for 20 years

Standard lifetime exposure risk (inhalation unit risk -- 70 years)

FIGURES



Legend

 Approximate Property Boundary



Prepared By: BSM
Checked By: JDG

Approved By: GEB
Date: 3/13/2012

Figure 1.1 Site Location Map

Former C & H POWER PLANT SITE
LAKE LINDEN,
HOUGHTON COUNTY, MICHIGAN
Project 3293-11-1440



Source: NAIP, 2010

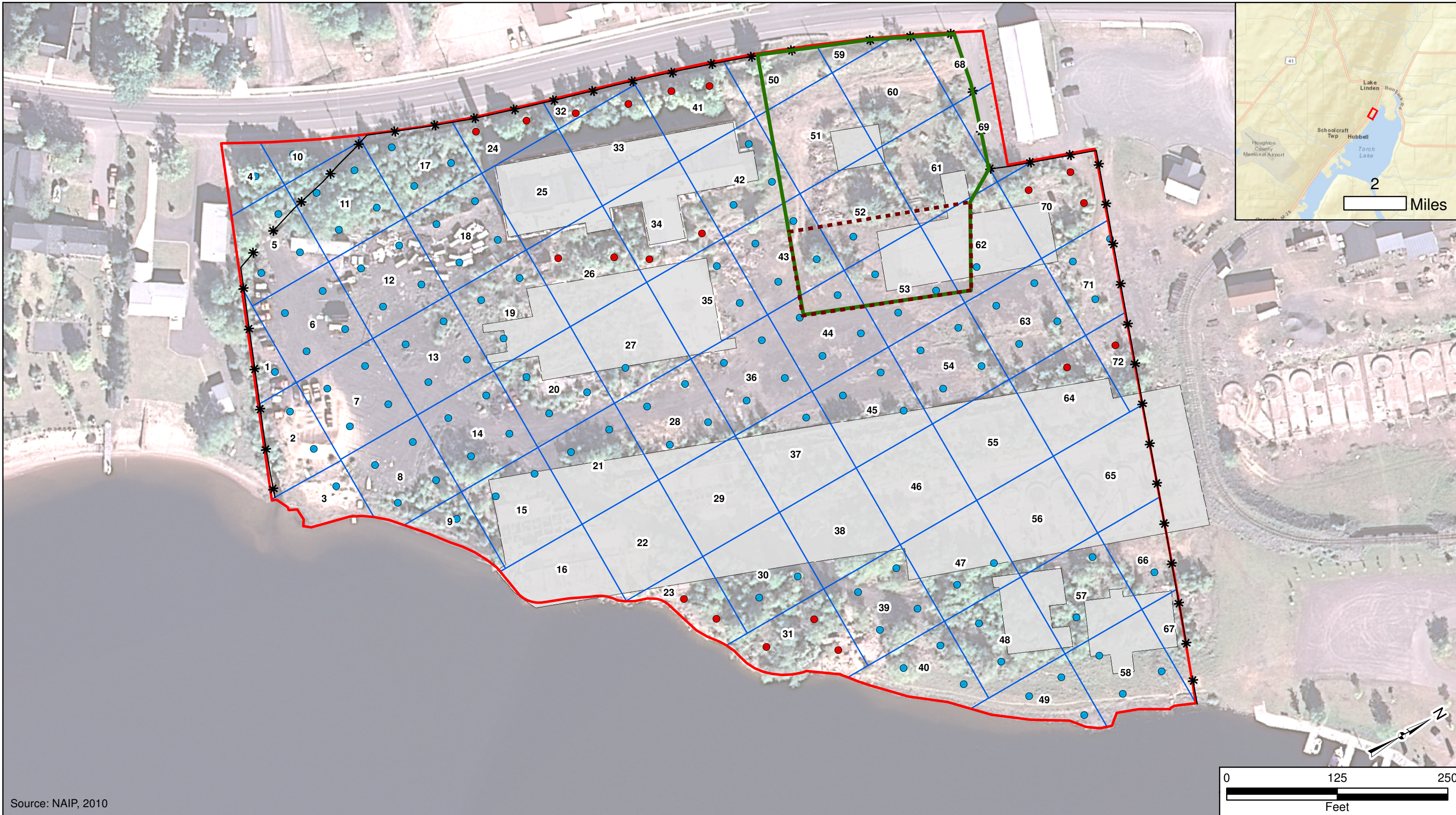
Legend

Building Foundation	Temporary Fence
Fence	Extended Support Zone
Site Boundary	Approximate Support Zone Area

Prepared By: CSK Approved By: DD
 Checked By: EAS Date: 3/24/2014

Figure 1.2
Existing Site Features Map

Former C & H POWER PLANT SITE
 TORCH LAKE TWP, MICHIGAN
 Project 3293-11-1440



Source: NAIP, 2010

Legend

- | | | | | | |
|--|---|--|---------------------|--|-------------------------------|
| | Site Boundary | | Building Foundation | | Approximate Support Zone Area |
| | 2012 Soil Sample Locations | | 100 ft Grid Cell | | Extended Support Zone |
| | 2013 Soil Sample Locations (Not Sampled for Percent Asbestos) | | | | Fence |



Prepared By: ST
Checked By: BG

Approved By:
Date: 3/24/2014

Figure 2.1
2012 and 2013
Soil Boring Locations
Former C & H POWER PLANT SITE
TORCH LAKE TWP, MICHIGAN
Project 3293-11-1440



Source: NAIP, 2010

Legend

— Site Boundary

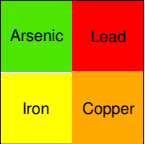
— Approximate Support Zone Area

- - - Extended Support Zone

Building Foundation

20 100 ft Grid Cell

Exceedences in



ANALYTE	NON-RESIDENTIAL DIRECT CONTACT	UNITS
Arsenic	37,000	µg/kg
Copper	73,000,000	µg/kg
Iron	580,000,000	µg/kg
Lead	900,000	µg/kg



Prepared By: CSK Approved By: MJM
Checked By: EAS Date: 4/11/2014

Figure - 2.2
Metals Concentrations Exceeding
Non-Residential Direct Contact Criteria
Shallow Interval (0' - 0.5')

Former C & H POWER PLANT SITE
TORCH LAKE TWP, MICHIGAN
Project 3293-11-1440



Source: NAIP, 2010

Legend

— Site Boundary

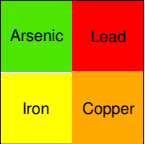
— Approximate Support Zone Area

- - - Extended Support Zone

Building Foundation

20 100 ft Grid Cell

Exceedences in



ANALYTE	NON-RESIDENTIAL DIRECT CONTACT	UNITS
Arsenic	37,000	µg/kg
Copper	73,000,000	µg/kg
Iron	580,000,000	µg/kg
Lead	900,000	µg/kg



Prepared By: CSK Approved By: MJM
Checked By: EAS Date: 4/11/2014

Figure - 2.3
Metals Concentrations Exceeding
Non-Residential Direct Contact Criteria
Intermediate Interval (0.5' - 2')

Former C & H POWER PLANT SITE
TORCH LAKE TWP, MICHIGAN
Project 3293-11-1440



Source: NAIP, 2010

Legend

Site Boundary

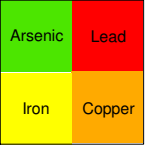
Approximate Support Zone Area

Extended Support Zone

Building Foundation

100 ft Grid Cell

Exceedences in



ANALYTE	NON-RESIDENTIAL DIRECT CONTACT	UNITS
Arsenic	37,000	µg/kg
Copper	73,000,000	µg/kg
Iron	580,000,000	µg/kg
Lead	900,000	µg/kg



Prepared By: CSK Approved By: MJM
Checked By: EAS Date: 3/24/2014

Figure - 2.4
Metals Concentrations Exceeding
Non-Residential Direct Contact Criteria
Deep Interval (2' - 5')

Former C & H POWER PLANT SITE
TORCH LAKE TWP, MICHIGAN
Project 3293-11-1440



Source: NAIP, 2010

Legend

Site Boundary

Fence

Areas to be Sampled for Waste Characterization

Building Foundation

20

100 ft Grid Cell

Approximate Support Zone Area

Extended Support Zone Area

amec

Prepared By: CSK
Checked By: BG

Approved By: MJM
Date: 6/13/2014

Figure 2.5
2014 Metals Sample Locations
Former C & H POWER PLANT SITE
TORCH LAKE TWP, MICHIGAN
Project 3293-12-1489

Path: N:\INDUSTRIAL PROJECTS\Honeywell\Lake Linden\GIS\HW_Lake_Linden\l_a_mxd\Work Plan CAP June 2014\Fig 2-5 2014 Asbestos Soil Sample Locations.mxd

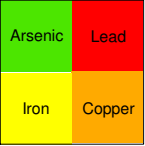


Source: NAIP, 2010

Legend

- Site Boundary
- Approximate Support Zone Area
- Extended Support Zone
- Building Foundation
- 100 ft Grid Cell
- Fence

Exceedences in



ANALYTE	NON-RESIDENTIAL DIRECT CONTACT	UNITS
Arsenic	37,000	µg/kg
Copper	73,000,000	µg/kg
Iron	580,000,000	µg/kg
Lead	900,000	µg/kg

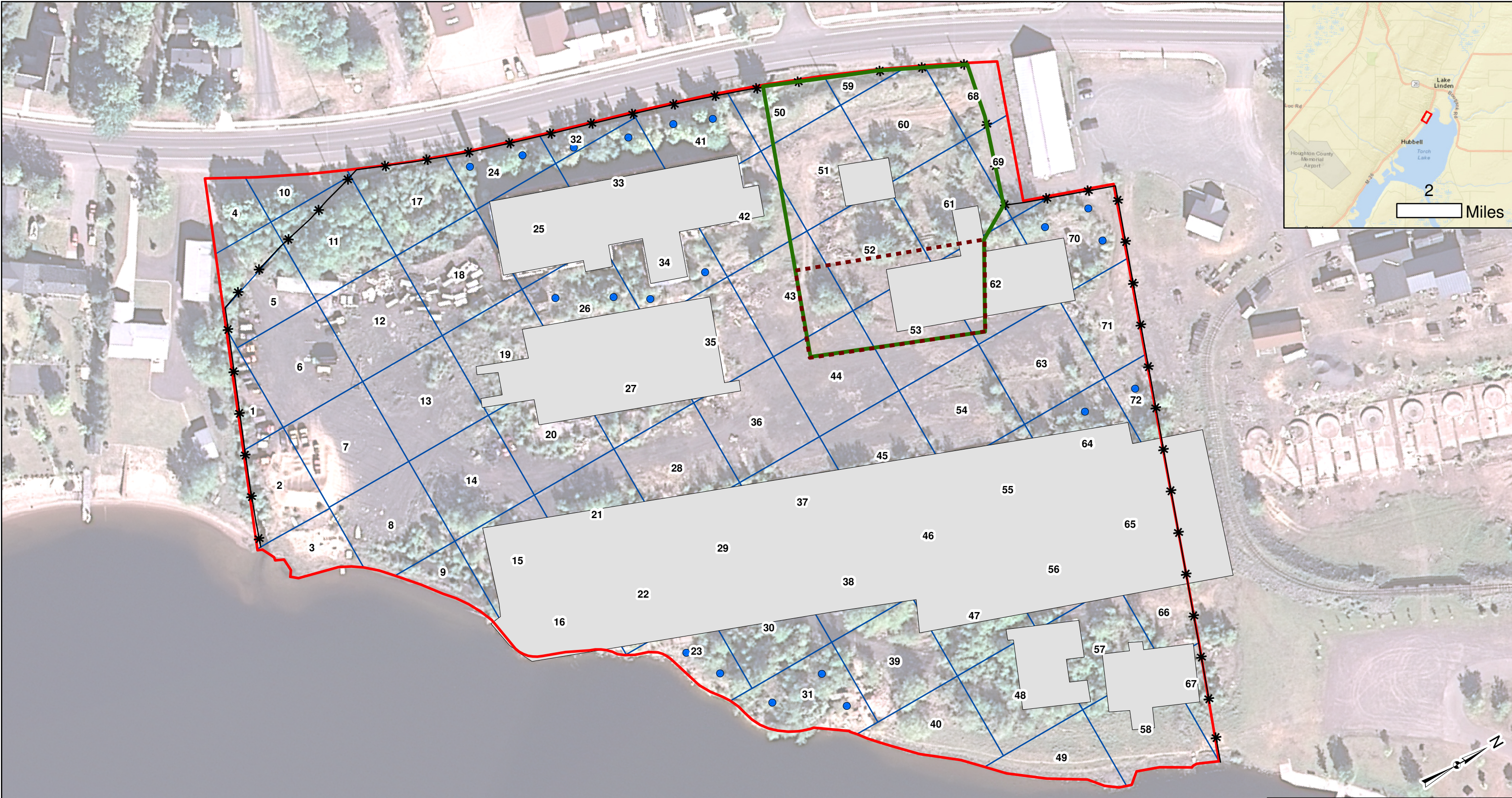


Prepared By: CSK
Checked By: EAS

Approved By: MJM
Date: 6/30/2014

Figure - 2.6
2014 Metals Concentrations
Exceeding Non-Residential Direct Contact
Criteria Shallow Interval (0' - 0.5')

Former C & H POWER PLANT SITE
TORCH LAKE TWP, MICHIGAN
Project 3293-11-1440



Source: NAIP, 2010

Legend

Site Boundary

Fence

2014 Percent Asbestos Sample Locations

Building Foundation

20

100 ft Grid Cell

Approximate Support Zone Area

Extended Support Zone Area

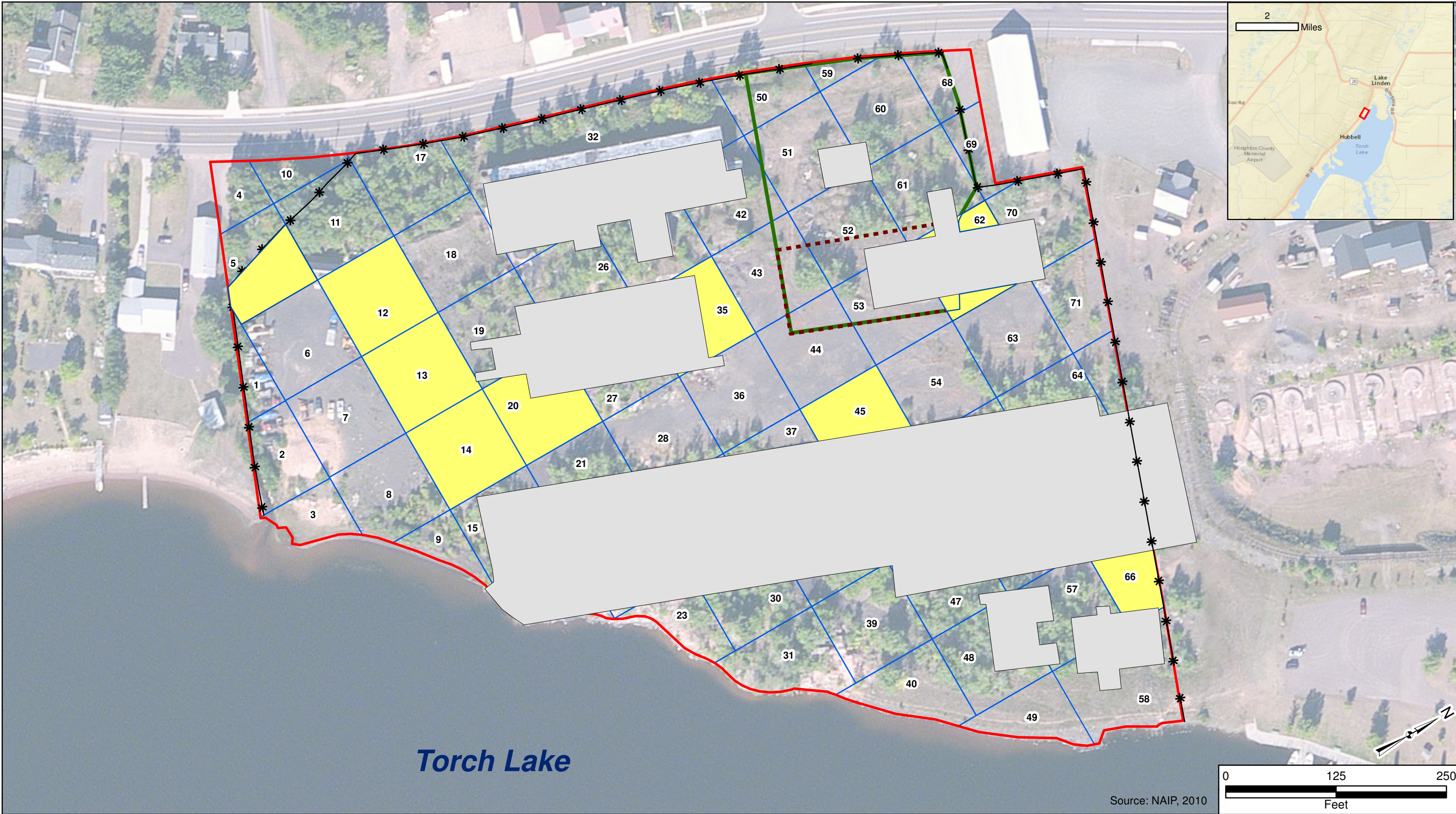
Prepared By: CSK

Checked By: BG

Approved By: MJM

Date: 6/13/2014

Figure 2.7
2014 Percent Asbestos
Sample Locations
Former C & H POWER PLANT SITE
TORCH LAKE TWP, MICHIGAN
Project 3293-12-1489



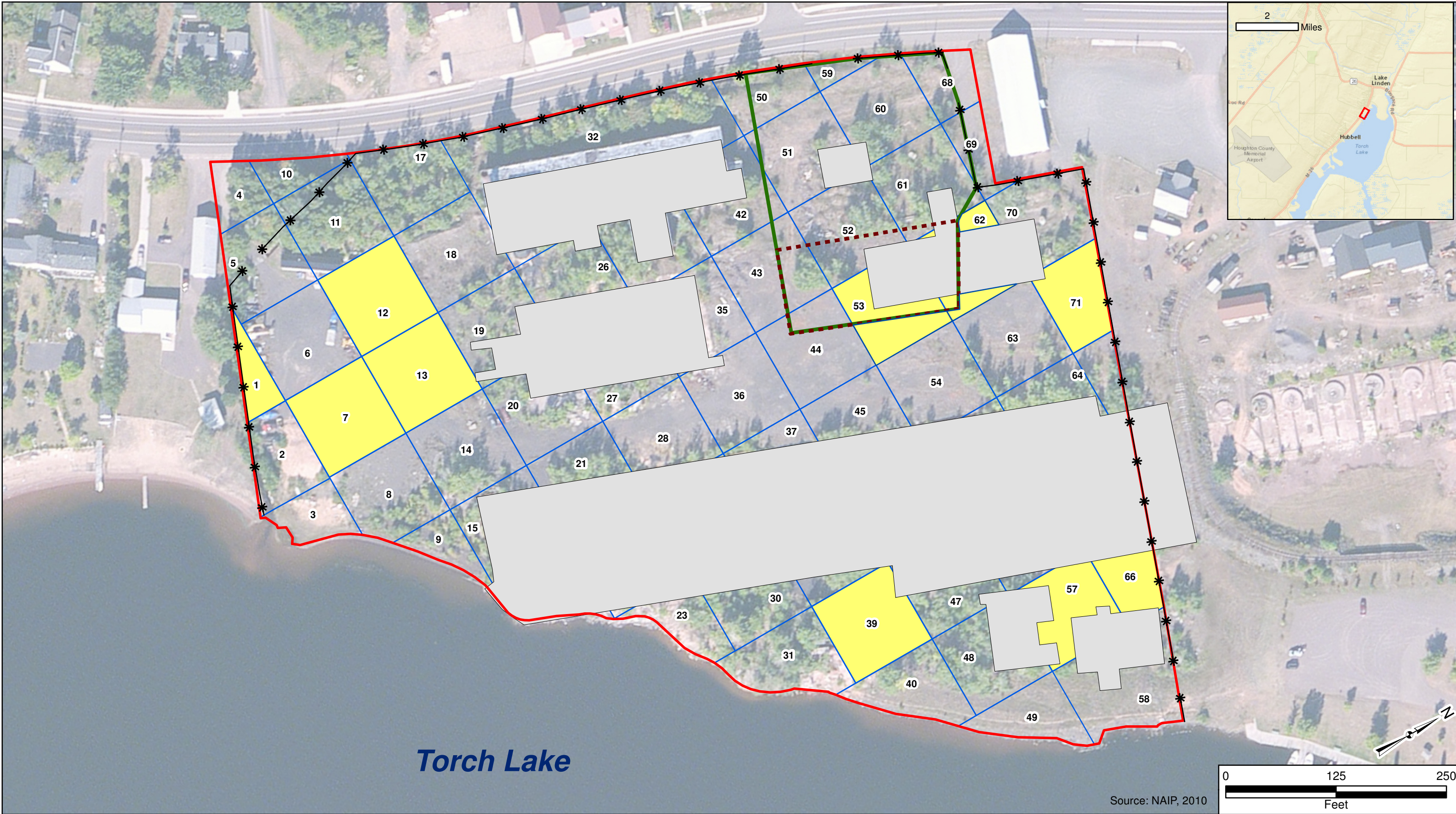
Legend

- Site Boundary
- Building Foundation
- 100 ft Grid Cell
- Asbestos in Soil > 1% (0 - 0.5')
- Approximate Support Zone Area
- Extended Support Zone
- Fence



Prepared By: CSK Approved By: MJM
Checked By: DD Date: 6/13/2014

Figure 2.8
Asbestos in Soil > 1%
Shallow Interval (0 - 0.5')
Former C & H POWER PLANT SITE
LAKE LINDEN,
HOUGHTON COUNTY, MICHIGAN
Project 3293-11-1440



Legend

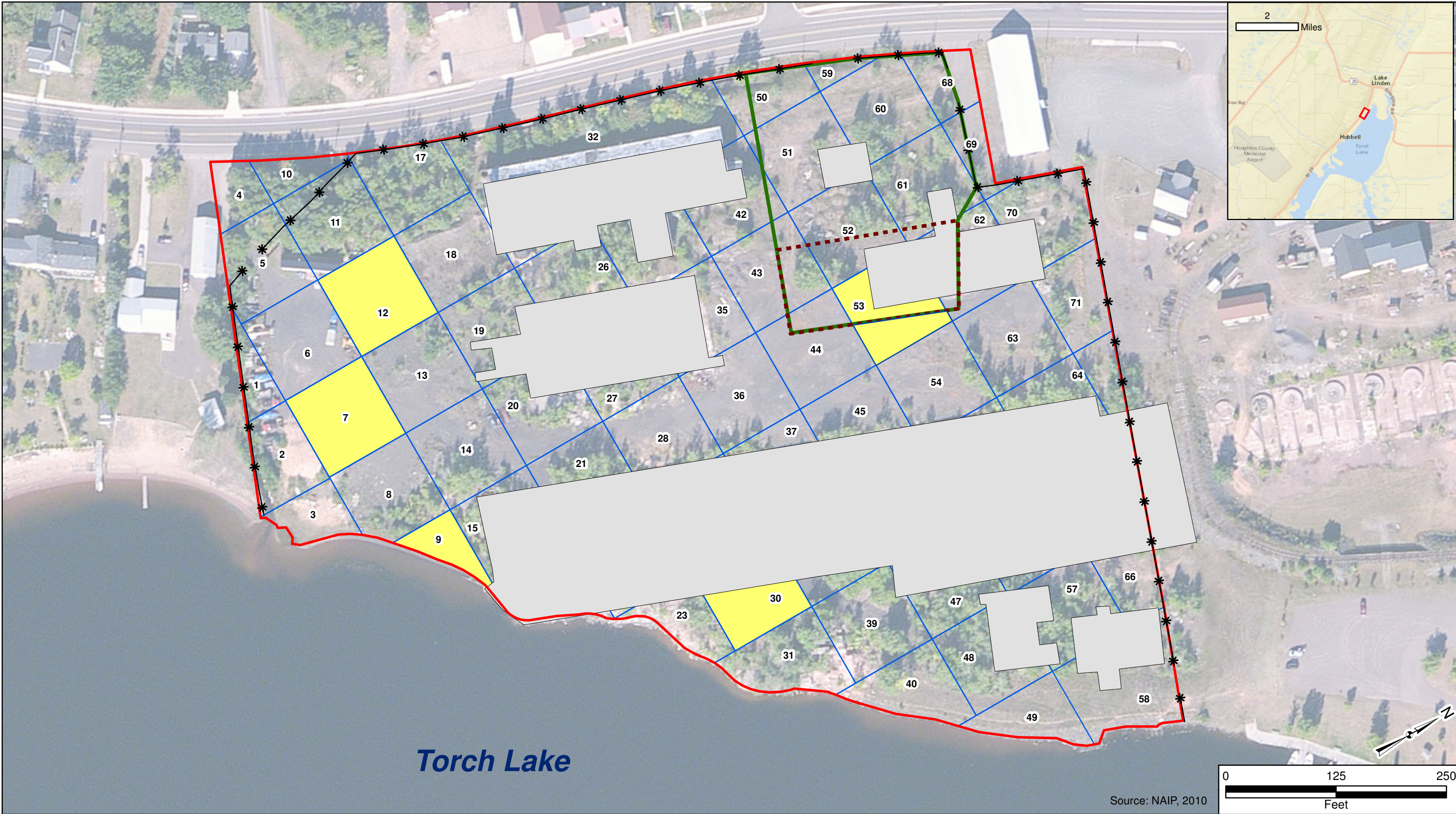
- Site Boundary
- Building Foundation
- 100 ft Grid Cell
- Asbestos in Soil > 1% (0.5 - 2')
- Approximate Support Zone Area
- Extended Support Zone
- Fence



Prepared By: CSK
Checked By: DD

Approved By: MJM
Date: 6/13/2014

Figure 2.9
Asbestos in Soil > 1%
Intermediate Interval (0.5 - 2')
Former C & H POWER PLANT SITE
LAKE LINDEN,
HOUGHTON COUNTY, MICHIGAN
Project 3293-11-1440



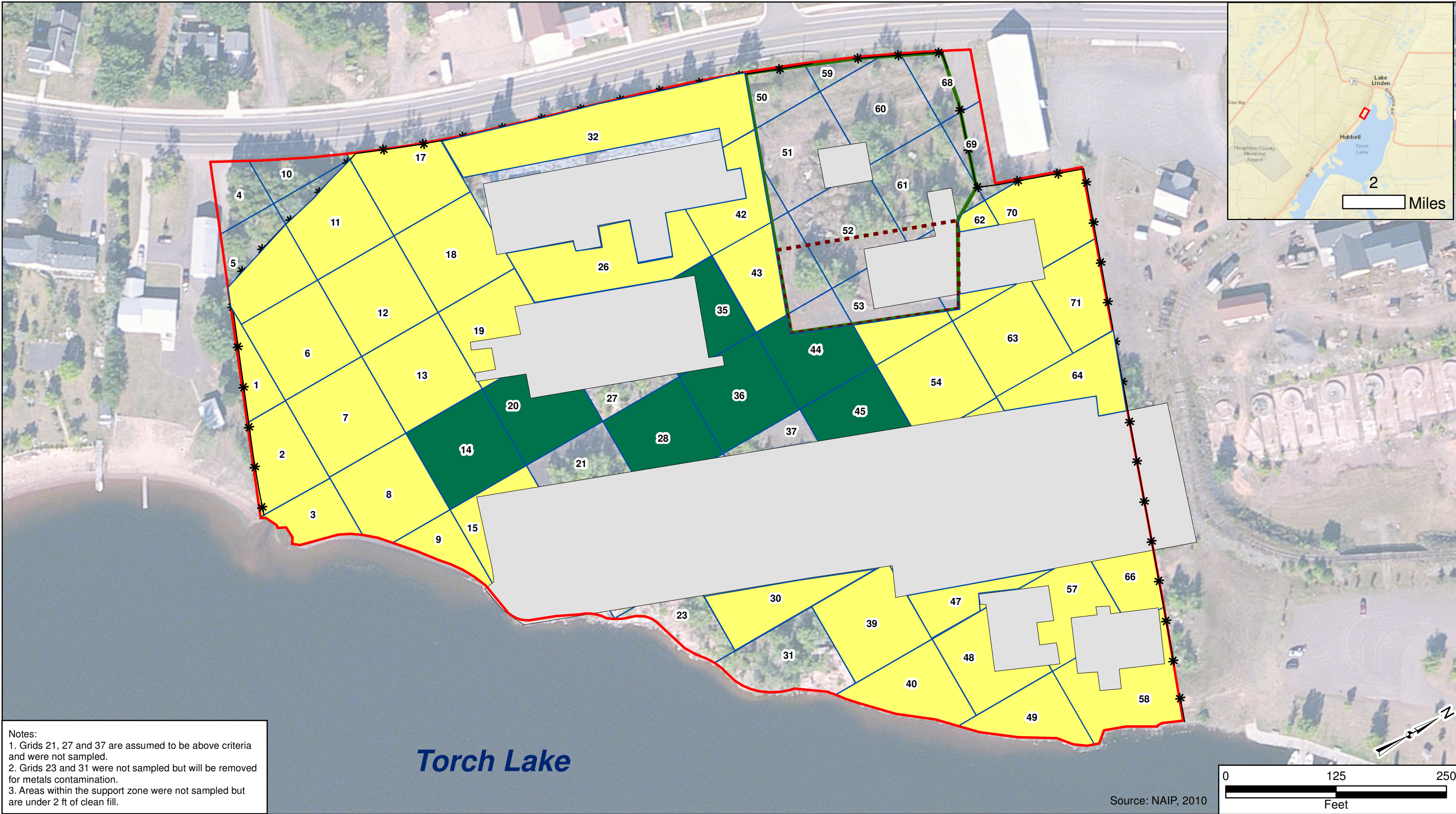
Legend

- Site Boundary
- Building Foundation
- 100 ft Grid Cell
- Asbestos in Soil > 1% (2 - 5')
- Approximate Support Zone Area
- Extended Support Zone
- Fence



Prepared By: CSK Approved By: MJM
Checked By: DD Date: 6/13/2014

Figure 2.10
Asbestos in Soil > 1%
Deep Interval (2 - 5')
Former C & H POWER PLANT SITE
LAKE LINDEN,
HOUGHTON COUNTY, MICHIGAN
Project 3293-11-1440



Notes:
1. Grids 21, 27 and 37 are assumed to be above criteria and were not sampled.
2. Grids 23 and 31 were not sampled but will be removed for metals contamination.
3. Areas within the support zone were not sampled but are under 2 ft of clean fill.

Legend

- Site Boundary
- Building Foundation
- 100 ft Grid Cell
- Below Criteria
- Above Criteria
- Approximate Support Zone Area
- Extended Support Zone
- Fence










Prepared By: CSK
Checked By: DD
Approved By: MJM
Date: 6/13/2014

Figure 2.11
Activity Based Sampling
Former C & H POWER PLANT SITE
LAKE LINDEN,
HOUGHTON COUNTY, MICHIGAN
Project 3293-11-1440



Legend

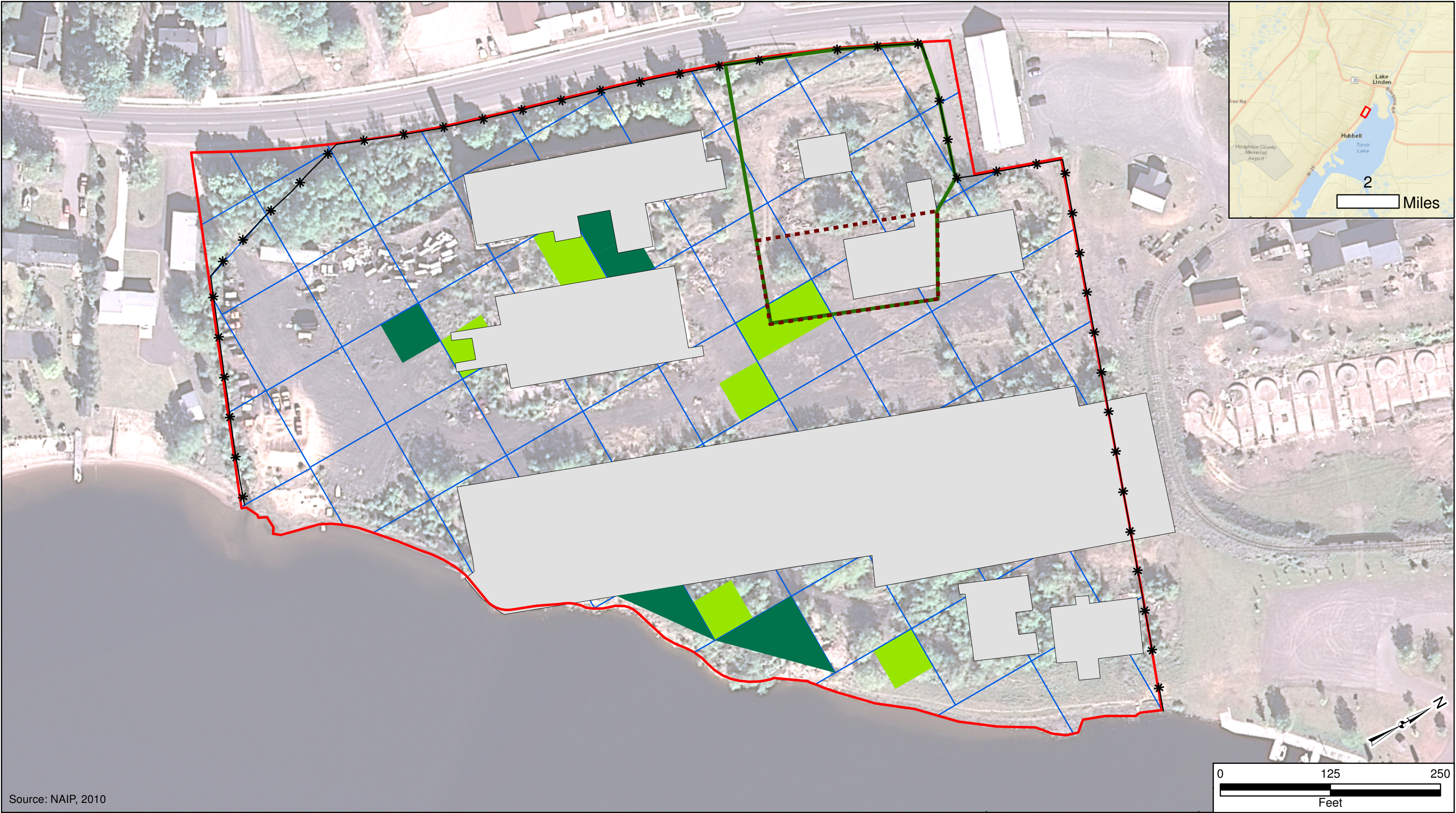
- | | | |
|--|---|---|
|  Berms removed in 2012 |  Building Foundation |  Approximate Support Zone Area |
|  Berms to be removed in 2014 |  Fence |  Extended Support Zone |
| |  Site Boundary | |



Prepared By: CSK Approved By: DD
Checked By: EAS Date: 6/11/2014

**Figure 2.12
Berm Locations**

Former C & H POWER PLANT SITE
TORCH LAKE TWP, MICHIGAN
Project 3293-11-1440



Legend

— Site Boundary

— Fence



Building Foundation



100 ft Grid Cell



0 - 6" Soil Removal



Approximate Support Zone Area



Extended Support Zone Area



0 - 2' Soil Removal



Prepared By: CSK

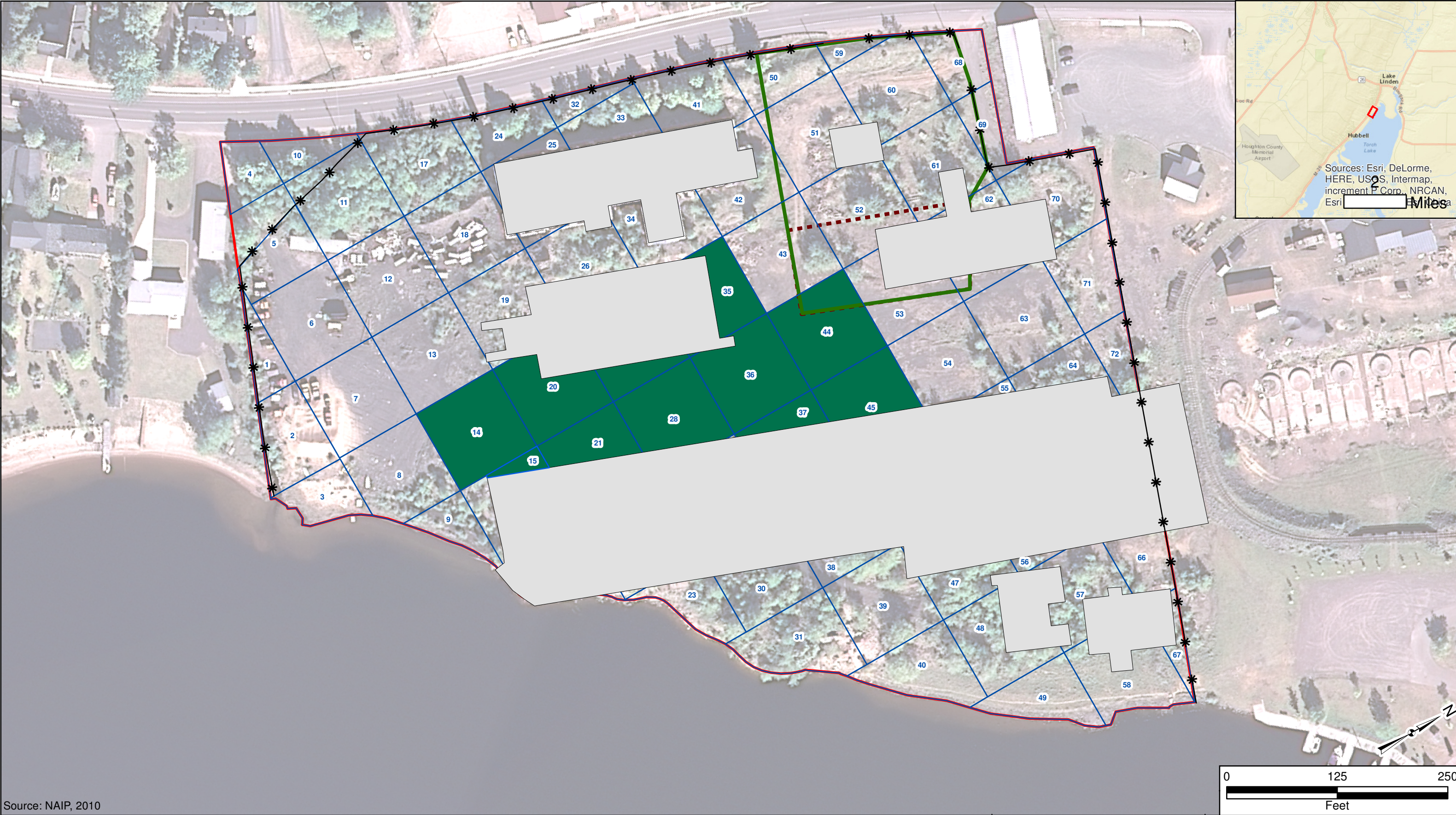
Checked By: EAS

Approved By: MJM

Date: 6/30/2014

Figure 3.1
Soil Excavation
Non-Residential Metals

Former C & H POWER PLANT SITE
TORCH LAKE TWP, MICHIGAN
Project 3293-12-1489



Source: NAIP, 2010

Legend

- Site Boundary
- 0 - 2' Soil Removal Based on ABS
- Approximate Support Zone Area
- Buildings
- *—* Fence
- Extended Support Zone Area
- 100 ft Grid Cell



Prepared By: CSK Approved By: DD
Checked By: DS Date: 6/30/2014

Figure 3.2
Soil Excavation
Activity Based Sampling

Former C & H POWER PLANT SITE
TORCH LAKE TWP, MICHIGAN
Project 3293-11-1440



Source: NAIP, 2010

Legend

Site Boundary

Fence

0 - 6" Soil Removal

Building Foundation

100 ft Grid Cell

0 - 2' Soil Removal

Approximate Support Zone Area

Extended Support Zone Area

amec

Prepared By: CSK

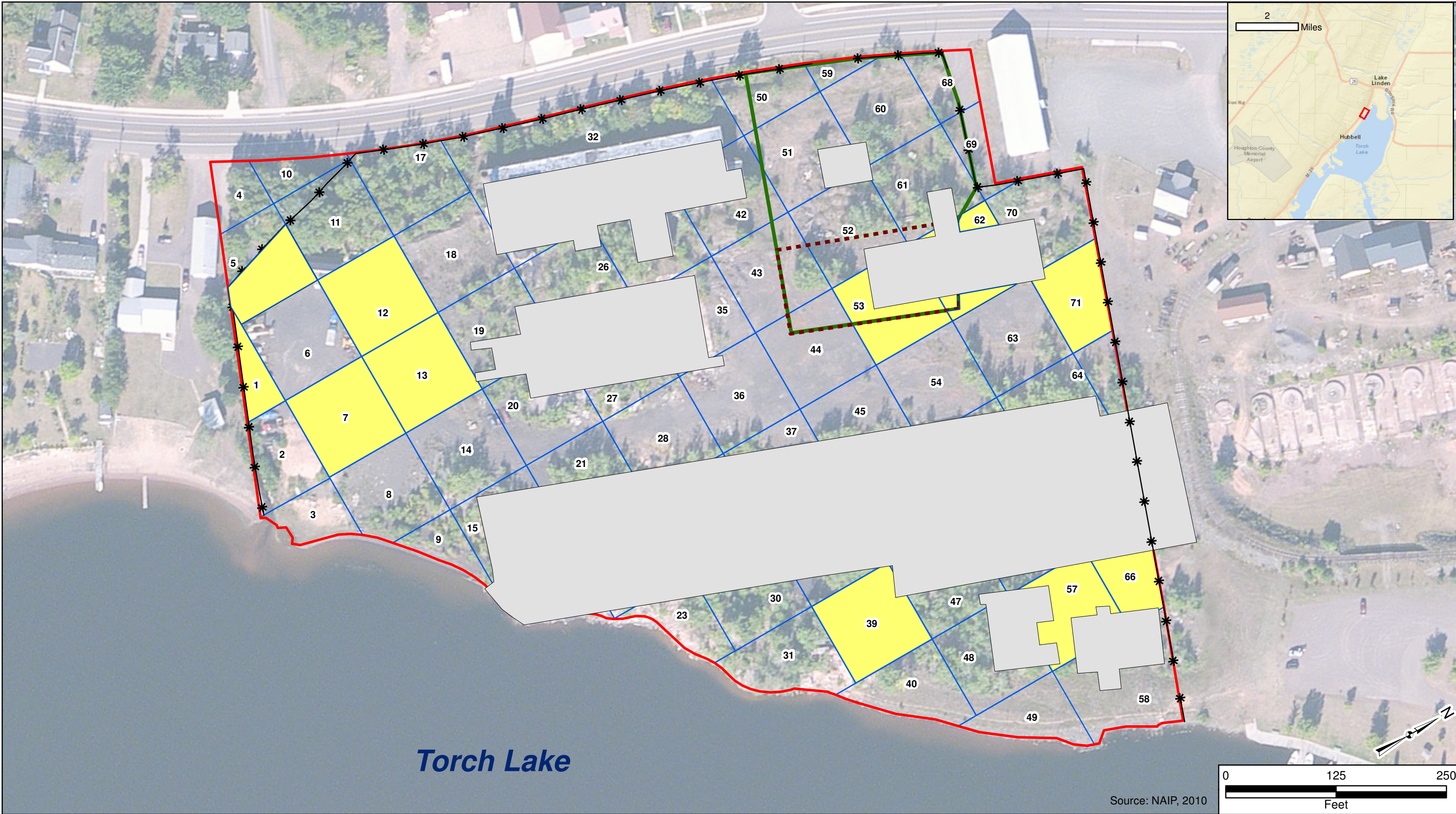
Checked By: EAS

Approved By: MJM

Date: 6/30/2014

Figure 3.3
Soil Excavation Non-Residential Metals and ABS
Former C & H POWER PLANT SITE
TORCH LAKE TWP, MICHIGAN
Project 3293-12-1489

Path: N:\INDUSTRIAL PROJECTS\Honeywell\Lake Linden\GIS\HW_Lake_Linden\l_a_mxd\Work Plan CAP June 2014\Fig3-3_soil excav nonres metals abs.mxd



Legend

- Site Boundary
- Building Foundation
- 100 ft Grid Cell
- Asbestos in Soil > 1%
- Approximate Support Zone Area
- Extended Support Zone
- Fence



Prepared By: CSK
Checked By: DD
Approved By: MJM
Date: 6/30/2014

Figure 3.4
Asbestos in Soil > 1%
Areas To Be Covered
Former C & H POWER PLANT SITE
LAKE LINDEN,
HOUGHTON COUNTY, MICHIGAN
Project 3293-11-1440



Source: NAIP, 2010

Legend

- Utility Corridor Opening Locations
- Utility Corridor as shown on Historical Drawing
- Known Utility Corridor with Unknown Length
- Confirmed Utility Corridor
- Site Boundary
- Extended Support Zone
- Approximate Support Zone Area
- Approximate Fence Location
- Building Foundation



Prepared By: EAS Date: 4/11/2014
Approved By: MJM

**Figure 3.5
Utility Corridor Opening Locations**

Former C & H POWER PLANT SITE
TORCH LAKE TWP, MICHIGAN
Project 3293-12-1489

APPENDIX A

Laboratory Analytical Data

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica North Canton

4101 Shuffel Street NW

North Canton, OH 44720

Tel: (330)497-9396

TestAmerica Job ID: 240-5811-1

Client Project/Site: Honeywell Site in Houghton, MI

For:

AMEC E&I, Inc

46850 Magellan Drive, Suite 190

Novi, Michigan 48377

Attn: Daniel Dyer



Authorized for release by:

11/29/2011 10:51:01 PM

Mark Loeb

Project Manager II

mark.loeb@testamericainc.com

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www.testamericainc.com

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

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

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Method Summary	7
Sample Summary	8
Detection Summary	9
Client Sample Results	12
Surrogate Summary	58
QC Sample Results	60
QC Association Summary	77
Lab Chronicle	81
Certification Summary	85
Detection Limit Exceptions Summary	86
Chain of Custody	87
Receipt Checklists	95



Definitions/Glossary

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	LCS or LCSD exceeds the control limits
F	MS or MSD exceeds the control limits

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Job ID: 240-5811-1

Laboratory: TestAmerica North Canton

Narrative

CASE NARRATIVE

Client: AMEC E&I, Inc

Project: Honeywell Site in Houghton, MI

Report Number: 240-5811-1

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

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

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

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

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

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

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

RECEIPT

The samples were received on 11/11/2011; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 1.8, 2.1, 2.2, 2.5, 2.9 and 3.0 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples LLI01-BS01-0000-WSXX (240-5811-1), LLI01-BS02-0000-WSXX (240-5811-2), LLI01-BS03-0000-WSXX (240-5811-3), LLI01-BS04-0000-WSXX (240-5811-4), LLI01-BS05-0000-WSXX (240-5811-5), LLI01-BS06-0000-WSXX (240-5811-6), LLI01-BS07-0000-WSXX (240-5811-7), LLI01-BS08-0000-WSXX (240-5811-8), LLI01-BS09-0000-WSXX (240-5811-9), LLI01-BS10-0000-WSXX (240-5811-10), LLI01-BS10-0000-WSFD (240-5811-11) and TRIP BLANKS (240-5811-12) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 11/18/2011 and 11/22/2011.

Acetone was detected in method blank MB 240-23979/5 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

Methylene Chloride was detected in method blank MB 240-24252/5 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

Case Narrative

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Job ID: 240-5811-1 (Continued)

Laboratory: TestAmerica North Canton (Continued)

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

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples LLI01-BS01-0000-WSXX (240-5811-1), LLI01-BS02-0000-WSXX (240-5811-2), LLI01-BS03-0000-WSXX (240-5811-3), LLI01-BS04-0000-WSXX (240-5811-4), LLI01-BS05-0000-WSXX (240-5811-5), LLI01-BS06-0000-WSXX (240-5811-6), LLI01-BS07-0000-WSXX (240-5811-7), LLI01-BS08-0000-WSXX (240-5811-8), LLI01-BS09-0000-WSXX (240-5811-9), LLI01-BS10-0000-WSXX (240-5811-10) and LLI01-BS10-0000-WSFD (240-5811-11) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 11/14/2011 and analyzed on 11/16/2011.

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and no corrective action is required.

Caprolactam failed the recovery criteria low for LCS 240-23079/17-A. Refer to the QC report for details.

2,4-Dinitrophenol, 3,3'-Dichlorobenzidine and 4-Nitrophenol failed the recovery criteria low for the MS/MSD of sample LLI01-BS10-0000-WSXXMS/MSD (240-5811-10) in batch 240-23465. Refer to the QC report for details.

Samples LLI01-BS02-0000-WSXX (240-5811-2)[10X], LLI01-BS03-0000-WSXX (240-5811-3)[4X] and LLI01-BS07-0000-WSXX (240-5811-7)[10X] required dilution prior to analysis. The following sample(s) was diluted due to the nature of the sample matrix: LLI01-BS02-0000-WSXX (240-5811-2), LLI01-BS03-0000-WSXX (240-5811-3), LLI01-BS07-0000-WSXX (240-5811-7). The reporting limits have been adjusted accordingly.

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

POLYCHLORINATED BIPHENYLS (PCBS)

Samples LLI01-BS01-0000-WSXX (240-5811-1), LLI01-BS02-0000-WSXX (240-5811-2), LLI01-BS03-0000-WSXX (240-5811-3), LLI01-BS04-0000-WSXX (240-5811-4), LLI01-BS05-0000-WSXX (240-5811-5), LLI01-BS06-0000-WSXX (240-5811-6), LLI01-BS07-0000-WSXX (240-5811-7), LLI01-BS08-0000-WSXX (240-5811-8), LLI01-BS09-0000-WSXX (240-5811-9), LLI01-BS10-0000-WSXX (240-5811-10) and LLI01-BS10-0000-WSFD (240-5811-11) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were prepared on 11/14/2011 and analyzed on 11/16/2011 and 11/17/2011.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required.

The following samples had an unknown pattern present which did not resemble any known Aroclors: LLI01-BS01-0000-WSXX (240-5811-1) and LLI01-BS07-0000-WSXX (240-5811-7).

The following samples required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur: LLI01-BS02-0000-WSXX (240-5811-2), LLI01-BS06-0000-WSXX (240-5811-6), LLI01-BS07-0000-WSXX (240-5811-7).

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

TOTAL RECOVERABLE METALS (ICPMS)

Samples LLI01-BS01-0000-WSXX (240-5811-1), LLI01-BS02-0000-WSXX (240-5811-2), LLI01-BS03-0000-WSXX (240-5811-3), LLI01-BS04-0000-WSXX (240-5811-4), LLI01-BS05-0000-WSXX (240-5811-5), LLI01-BS06-0000-WSXX (240-5811-6), LLI01-BS07-0000-WSXX (240-5811-7), LLI01-BS08-0000-WSXX (240-5811-8), LLI01-BS09-0000-WSXX (240-5811-9), LLI01-BS10-0000-WSXX (240-5811-10) and LLI01-BS10-0000-WSFD (240-5811-11) were analyzed for total recoverable metals (ICPMS) in accordance with EPA SW-846 Method 6020. The samples were prepared on 11/16/2011 and analyzed on 11/21/2011.

Barium, Copper and Zinc were detected in method blank MB 240-23413/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

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

Case Narrative

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Job ID: 240-5811-1 (Continued)

Laboratory: TestAmerica North Canton (Continued)

TOTAL MERCURY

Samples LLI01-BS01-0000-WSXX (240-5811-1), LLI01-BS02-0000-WSXX (240-5811-2), LLI01-BS03-0000-WSXX (240-5811-3), LLI01-BS04-0000-WSXX (240-5811-4), LLI01-BS05-0000-WSXX (240-5811-5), LLI01-BS06-0000-WSXX (240-5811-6), LLI01-BS07-0000-WSXX (240-5811-7), LLI01-BS08-0000-WSXX (240-5811-8), LLI01-BS09-0000-WSXX (240-5811-9), LLI01-BS10-0000-WSXX (240-5811-10) and LLI01-BS10-0000-WSFD (240-5811-11) were analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared on 11/15/2011 and 11/18/2011 and analyzed on 11/16/2011 and 11/21/2011.

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

Method Summary

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NC
8270C	TCL Semivolatile Compounds (OLMO4.2)	SW846	TAL NC
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL NC
6020	Metals (ICP/MS)	SW846	TAL NC
7470A	Mercury (CVAA)	SW846	TAL NC

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: AMEC E&I, Inc

Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-5811-1	LLI01-BS01-0000-WSXX	Water	11/10/11 10:30	11/11/11 07:45
240-5811-2	LLI01-BS02-0000-WSXX	Water	11/10/11 10:40	11/11/11 07:45
240-5811-3	LLI01-BS03-0000-WSXX	Water	11/10/11 10:45	11/11/11 07:45
240-5811-4	LLI01-BS04-0000-WSXX	Water	11/10/11 10:50	11/11/11 07:45
240-5811-5	LLI01-BS05-0000-WSXX	Water	11/10/11 10:50	11/11/11 07:45
240-5811-6	LLI01-BS06-0000-WSXX	Water	11/10/11 11:00	11/11/11 07:45
240-5811-7	LLI01-BS07-0000-WSXX	Water	11/10/11 11:10	11/11/11 07:45
240-5811-8	LLI01-BS08-0000-WSXX	Water	11/10/11 11:15	11/11/11 07:45
240-5811-9	LLI01-BS09-0000-WSXX	Water	11/10/11 11:50	11/11/11 07:45
240-5811-10	LLI01-BS10-0000-WSXX	Water	11/10/11 12:10	11/11/11 07:45
240-5811-11	LLI01-BS10-0000-WSFD	Water	11/10/11 00:00	11/11/11 07:45
240-5811-12	TRIP BLANKS	Water	11/10/11 00:00	11/11/11 07:45

Detection Summary

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Client Sample ID: LLI01-BS01-0000-WSXX

Lab Sample ID: 240-5811-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	1.3	J	4.8	0.77	ug/L	1		8270C	Total/NA
Arsenic	0.73	J	5.0	0.40	ug/L	1		6020	Total Recovera
Barium	200	B	5.0	0.19	ug/L	1		6020	Total Recovera
Cadmium	0.36	J	1.0	0.13	ug/L	1		6020	Total Recovera
Copper	18	B	2.0	0.29	ug/L	1		6020	Total Recovera
Lead	670		1.0	0.18	ug/L	1		6020	Total Recovera
Zinc	130	B	20	2.3	ug/L	1		6020	Total Recovera

Client Sample ID: LLI01-BS02-0000-WSXX

Lab Sample ID: 240-5811-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	0.38	J	5.0	0.13	ug/L	1		8260B	Total/NA
Fluoranthene	2.6	J	11	1.1	ug/L	10		8270C	Total/NA
Pyrene	2.3	J	56	1.1	ug/L	10		8270C	Total/NA
PCB-1254	1.2		0.095	0.030	ug/L	1		8082	Total/NA
Arsenic	1.8	J	5.0	0.40	ug/L	1		6020	Total Recovera
Barium	170	B	5.0	0.19	ug/L	1		6020	Total Recovera
Cadmium	2.4		1.0	0.13	ug/L	1		6020	Total Recovera
Chromium	2.6		2.0	0.71	ug/L	1		6020	Total Recovera
Copper	190	B	2.0	0.29	ug/L	1		6020	Total Recovera
Lead	530		1.0	0.18	ug/L	1		6020	Total Recovera
Selenium	1.0	J	5.0	0.57	ug/L	1		6020	Total Recovera
Zinc	350	B	20	2.3	ug/L	1		6020	Total Recovera
Silver	0.11	J	0.20	0.080	ug/L	1		6020	Total Recovera
Mercury	0.25		0.20	0.12	ug/L	1		7470A	Total/NA

Client Sample ID: LLI01-BS03-0000-WSXX

Lab Sample ID: 240-5811-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoranthene	0.52	J	3.8	0.38	ug/L	4		8270C	Total/NA
Pyrene	0.48	J	19	0.38	ug/L	4		8270C	Total/NA
PCB-1254	0.40		0.095	0.030	ug/L	1		8082	Total/NA
Arsenic	0.78	J	5.0	0.40	ug/L	1		6020	Total Recovera
Barium	74	B	5.0	0.19	ug/L	1		6020	Total Recovera
Cadmium	0.38	J	1.0	0.13	ug/L	1		6020	Total Recovera
Copper	13	B	2.0	0.29	ug/L	1		6020	Total Recovera
Lead	36		1.0	0.18	ug/L	1		6020	Total Recovera
Zinc	160	B	20	2.3	ug/L	1		6020	Total Recovera

Client Sample ID: LLI01-BS04-0000-WSXX

Lab Sample ID: 240-5811-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	1.1	J	4.8	0.76	ug/L	1		8270C	Total/NA
Fluoranthene	0.15	J	0.95	0.095	ug/L	1		8270C	Total/NA
Pyrene	0.19	J	4.8	0.095	ug/L	1		8270C	Total/NA
Arsenic	0.54	J	5.0	0.40	ug/L	1		6020	Total Recovera
Barium	72	B	5.0	0.19	ug/L	1		6020	Total Recovera
Cadmium	0.42	J	1.0	0.13	ug/L	1		6020	Total Recovera
Copper	21	B	2.0	0.29	ug/L	1		6020	Total Recovera
Lead	23		1.0	0.18	ug/L	1		6020	Total Recovera
Zinc	140	B	20	2.3	ug/L	1		6020	Total Recovera

Client Sample ID: LLI01-BS05-0000-WSXX

Lab Sample ID: 240-5811-5

Detection Summary

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Client Sample ID: LLI01-BS05-0000-WSXX (Continued)

Lab Sample ID: 240-5811-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	1.2	J	4.8	0.76	ug/L	1		8270C	Total/NA
Arsenic	0.46	J	5.0	0.40	ug/L	1		6020	Total Recovers
Barium	74	B	5.0	0.19	ug/L	1		6020	Total Recovers
Cadmium	0.35	J	1.0	0.13	ug/L	1		6020	Total Recovers
Copper	9.8	B	2.0	0.29	ug/L	1		6020	Total Recovers
Lead	23		1.0	0.18	ug/L	1		6020	Total Recovers
Zinc	130	B	20	2.3	ug/L	1		6020	Total Recovers

Client Sample ID: LLI01-BS06-0000-WSXX

Lab Sample ID: 240-5811-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	0.81	J	4.8	0.76	ug/L	1		8270C	Total/NA
PCB-1260	0.047	J	0.095	0.036	ug/L	1		8082	Total/NA
Barium	70	B	5.0	0.19	ug/L	1		6020	Total Recovers
Cadmium	0.35	J	1.0	0.13	ug/L	1		6020	Total Recovers
Copper	12	B	2.0	0.29	ug/L	1		6020	Total Recovers
Lead	91		1.0	0.18	ug/L	1		6020	Total Recovers
Zinc	140	B	20	2.3	ug/L	1		6020	Total Recovers

Client Sample ID: LLI01-BS07-0000-WSXX

Lab Sample ID: 240-5811-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoranthene	1.4	J	9.5	0.95	ug/L	10		8270C	Total/NA
PCB-1254	0.15		0.095	0.030	ug/L	1		8082	Total/NA
Arsenic	0.86	J	5.0	0.40	ug/L	1		6020	Total Recovers
Barium	75	B	5.0	0.19	ug/L	1		6020	Total Recovers
Cadmium	0.44	J	1.0	0.13	ug/L	1		6020	Total Recovers
Copper	13	B	2.0	0.29	ug/L	1		6020	Total Recovers
Lead	64		1.0	0.18	ug/L	1		6020	Total Recovers
Zinc	170	B	20	2.3	ug/L	1		6020	Total Recovers

Client Sample ID: LLI01-BS08-0000-WSXX

Lab Sample ID: 240-5811-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	0.89	J	4.8	0.76	ug/L	1		8270C	Total/NA
Arsenic	0.60	J	5.0	0.40	ug/L	1		6020	Total Recovers
Barium	67	B	5.0	0.19	ug/L	1		6020	Total Recovers
Cadmium	0.38	J	1.0	0.13	ug/L	1		6020	Total Recovers
Copper	8.9	B	2.0	0.29	ug/L	1		6020	Total Recovers
Lead	14		1.0	0.18	ug/L	1		6020	Total Recovers
Zinc	130	B	20	2.3	ug/L	1		6020	Total Recovers

Client Sample ID: LLI01-BS09-0000-WSXX

Lab Sample ID: 240-5811-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoranthene	0.22	J	0.95	0.095	ug/L	1		8270C	Total/NA
Pyrene	0.15	J	4.8	0.095	ug/L	1		8270C	Total/NA
Arsenic	0.67	J	5.0	0.40	ug/L	1		6020	Total Recovers
Barium	67	B	5.0	0.19	ug/L	1		6020	Total Recovers
Cadmium	0.42	J	1.0	0.13	ug/L	1		6020	Total Recovers
Copper	9.8	B	2.0	0.29	ug/L	1		6020	Total Recovers
Lead	47		1.0	0.18	ug/L	1		6020	Total Recovers
Zinc	160	B	20	2.3	ug/L	1		6020	Total Recovers

Detection Summary

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Client Sample ID: LLI01-BS10-0000-WSXX

Lab Sample ID: 240-5811-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	0.76	J	4.8	0.76	ug/L	1		8270C	Total/NA
Arsenic	1.8	J	5.0	0.40	ug/L	1		6020	Total Recovers
Barium	96	B	5.0	0.19	ug/L	1		6020	Total Recovers
Cadmium	0.46	J	1.0	0.13	ug/L	1		6020	Total Recovers
Chromium	2.2		2.0	0.71	ug/L	1		6020	Total Recovers
Copper	41	B	2.0	0.29	ug/L	1		6020	Total Recovers
Lead	84		1.0	0.18	ug/L	1		6020	Total Recovers
Selenium	3.5	J	5.0	0.57	ug/L	1		6020	Total Recovers
Zinc	480	B	20	2.3	ug/L	1		6020	Total Recovers
Mercury	0.19	J	0.20	0.12	ug/L	1		7470A	Total/NA

Client Sample ID: LLI01-BS10-0000-WSFD

Lab Sample ID: 240-5811-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	2.8	J	4.8	0.76	ug/L	1		8270C	Total/NA
Fluoranthene	0.34	J	0.95	0.095	ug/L	1		8270C	Total/NA
Pyrene	0.26	J	4.8	0.095	ug/L	1		8270C	Total/NA
Arsenic	0.62	J	5.0	0.40	ug/L	1		6020	Total Recovers
Barium	85	B	5.0	0.19	ug/L	1		6020	Total Recovers
Cadmium	0.35	J	1.0	0.13	ug/L	1		6020	Total Recovers
Copper	10	B	2.0	0.29	ug/L	1		6020	Total Recovers
Lead	37		1.0	0.18	ug/L	1		6020	Total Recovers
Zinc	140	B	20	2.3	ug/L	1		6020	Total Recovers

Client Sample ID: TRIP BLANKS

Lab Sample ID: 240-5811-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	12		10	1.1	ug/L	1		8260B	Total/NA
Chloroform	0.33	J	1.0	0.16	ug/L	1		8260B	Total/NA
4-Methyl-2-pentanone (MIBK)	0.40	J	10	0.32	ug/L	1		8260B	Total/NA

Client Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Client Sample ID: LLI01-BS01-0000-WSXX

Lab Sample ID: 240-5811-1

Date Collected: 11/10/11 10:30

Matrix: Water

Date Received: 11/11/11 07:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			11/22/11 01:45	1
Benzene	1.0	U	1.0	0.13	ug/L			11/22/11 01:45	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			11/22/11 01:45	1
Bromoform	1.0	U	1.0	0.64	ug/L			11/22/11 01:45	1
Bromomethane	1.0	U	1.0	0.41	ug/L			11/22/11 01:45	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			11/22/11 01:45	1
Carbon disulfide	5.0	U	5.0	0.13	ug/L			11/22/11 01:45	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			11/22/11 01:45	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			11/22/11 01:45	1
Chloroethane	1.0	U	1.0	0.29	ug/L			11/22/11 01:45	1
Chloroform	1.0	U	1.0	0.16	ug/L			11/22/11 01:45	1
Chloromethane	1.0	U	1.0	0.30	ug/L			11/22/11 01:45	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			11/22/11 01:45	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			11/22/11 01:45	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			11/22/11 01:45	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			11/22/11 01:45	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			11/22/11 01:45	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			11/22/11 01:45	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			11/22/11 01:45	1
2-Hexanone	10	U	10	0.41	ug/L			11/22/11 01:45	1
Methylene Chloride	5.0	U	5.0	0.33	ug/L			11/22/11 01:45	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			11/22/11 01:45	1
Styrene	1.0	U	1.0	0.11	ug/L			11/22/11 01:45	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			11/22/11 01:45	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			11/22/11 01:45	1
Toluene	1.0	U	1.0	0.13	ug/L			11/22/11 01:45	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			11/22/11 01:45	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			11/22/11 01:45	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			11/22/11 01:45	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			11/22/11 01:45	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			11/22/11 01:45	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			11/22/11 01:45	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			11/22/11 01:45	1
1,2-Dibromoethane	1.0	U	1.0	0.24	ug/L			11/22/11 01:45	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			11/22/11 01:45	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			11/22/11 01:45	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			11/22/11 01:45	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			11/22/11 01:45	1
Methyl acetate	10	U	10	0.38	ug/L			11/22/11 01:45	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			11/22/11 01:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			11/22/11 01:45	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			11/22/11 01:45	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			11/22/11 01:45	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			11/22/11 01:45	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			11/22/11 01:45	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			11/22/11 01:45	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			11/22/11 01:45	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			11/22/11 01:45	1

Client Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Client Sample ID: LLI01-BS01-0000-WSXX

Lab Sample ID: 240-5811-1

Date Collected: 11/10/11 10:30

Matrix: Water

Date Received: 11/11/11 07:45

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		63 - 129					11/22/11 01:45	1
4-Bromofluorobenzene (Surr)	91		66 - 117					11/22/11 01:45	1
Toluene-d8 (Surr)	102		74 - 115					11/22/11 01:45	1
Dibromofluoromethane (Surr)	108		75 - 121					11/22/11 01:45	1

Method: 8270C - TCL Semivolatile Compounds (OLMO4.2)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	4.8	U	4.8	0.77	ug/L		11/14/11 08:52	11/16/11 16:30	1
2,2'-oxybis[1-chloropropane]	4.8	U	4.8	0.38	ug/L		11/14/11 08:52	11/16/11 16:30	1
2,4,5-Trichlorophenol	4.8	U	4.8	0.29	ug/L		11/14/11 08:52	11/16/11 16:30	1
2,4,6-Trichlorophenol	3.8	U	3.8	0.77	ug/L		11/14/11 08:52	11/16/11 16:30	1
2,4-Dichlorophenol	9.6	U	9.6	0.77	ug/L		11/14/11 08:52	11/16/11 16:30	1
2,4-Dimethylphenol	4.8	U	4.8	0.77	ug/L		11/14/11 08:52	11/16/11 16:30	1
2,4-Dinitrophenol	19	U	19	2.3	ug/L		11/14/11 08:52	11/16/11 16:30	1
2,4-Dinitrotoluene	4.8	U	4.8	0.26	ug/L		11/14/11 08:52	11/16/11 16:30	1
2,6-Dinitrotoluene	4.8	U	4.8	0.77	ug/L		11/14/11 08:52	11/16/11 16:30	1
2-Chloronaphthalene	4.8	U	4.8	0.096	ug/L		11/14/11 08:52	11/16/11 16:30	1
2-Chlorophenol	4.8	U	4.8	0.28	ug/L		11/14/11 08:52	11/16/11 16:30	1
2-Methylnaphthalene	4.8	U	4.8	0.096	ug/L		11/14/11 08:52	11/16/11 16:30	1
2-Methylphenol	4.8	U	4.8	0.77	ug/L		11/14/11 08:52	11/16/11 16:30	1
2-Nitroaniline	19	U	19	0.77	ug/L		11/14/11 08:52	11/16/11 16:30	1
2-Nitrophenol	4.8	U	4.8	0.27	ug/L		11/14/11 08:52	11/16/11 16:30	1
3,3'-Dichlorobenzidine	0.96	U	0.96	0.36	ug/L		11/14/11 08:52	11/16/11 16:30	1
3-Nitroaniline	19	U	19	0.27	ug/L		11/14/11 08:52	11/16/11 16:30	1
4,6-Dinitro-2-methylphenol	19	U	19	2.3	ug/L		11/14/11 08:52	11/16/11 16:30	1
4-Bromophenyl phenyl ether	4.8	U	4.8	0.77	ug/L		11/14/11 08:52	11/16/11 16:30	1
4-Chloro-3-methylphenol	4.8	U	4.8	0.77	ug/L		11/14/11 08:52	11/16/11 16:30	1
4-Chloroaniline	9.6	U	9.6	0.77	ug/L		11/14/11 08:52	11/16/11 16:30	1
4-Chlorophenyl phenyl ether	4.8	U	4.8	0.29	ug/L		11/14/11 08:52	11/16/11 16:30	1
4-Nitroaniline	19	U	19	0.77	ug/L		11/14/11 08:52	11/16/11 16:30	1
4-Nitrophenol	19	U	19	2.3	ug/L		11/14/11 08:52	11/16/11 16:30	1
Acenaphthene	4.8	U	4.8	0.096	ug/L		11/14/11 08:52	11/16/11 16:30	1
Acenaphthylene	4.8	U	4.8	0.096	ug/L		11/14/11 08:52	11/16/11 16:30	1
Acetophenone	4.8	U	4.8	0.33	ug/L		11/14/11 08:52	11/16/11 16:30	1
Anthracene	4.8	U	4.8	0.096	ug/L		11/14/11 08:52	11/16/11 16:30	1
Atrazine	2.9	U	2.9	0.33	ug/L		11/14/11 08:52	11/16/11 16:30	1
Benzaldehyde	4.8	U	4.8	0.37	ug/L		11/14/11 08:52	11/16/11 16:30	1
Benzo[a]anthracene	0.96	U	0.96	0.096	ug/L		11/14/11 08:52	11/16/11 16:30	1
Benzo[a]pyrene	0.96	U	0.96	0.096	ug/L		11/14/11 08:52	11/16/11 16:30	1
Benzo[b]fluoranthene	0.96	U	0.96	0.096	ug/L		11/14/11 08:52	11/16/11 16:30	1
Benzo[g,h,i]perylene	0.96	U	0.96	0.096	ug/L		11/14/11 08:52	11/16/11 16:30	1
Benzo[k]fluoranthene	0.96	U	0.96	0.096	ug/L		11/14/11 08:52	11/16/11 16:30	1
Bis(2-chloroethoxy)methane	4.8	U	4.8	0.31	ug/L		11/14/11 08:52	11/16/11 16:30	1
Bis(2-chloroethyl)ether	0.96	U	0.96	0.096	ug/L		11/14/11 08:52	11/16/11 16:30	1
Bis(2-ethylhexyl) phthalate	1.3	J	4.8	0.77	ug/L		11/14/11 08:52	11/16/11 16:30	1
Butyl benzyl phthalate	4.8	U	4.8	0.77	ug/L		11/14/11 08:52	11/16/11 16:30	1
Caprolactam	9.6	U *	9.6	0.77	ug/L		11/14/11 08:52	11/16/11 16:30	1
Carbazole	9.6	U	9.6	0.27	ug/L		11/14/11 08:52	11/16/11 16:30	1
Chrysene	0.96	U	0.96	0.096	ug/L		11/14/11 08:52	11/16/11 16:30	1
Dibenz(a,h)anthracene	1.9	U	1.9	0.096	ug/L		11/14/11 08:52	11/16/11 16:30	1
Dibenzofuran	3.8	U	3.8	0.096	ug/L		11/14/11 08:52	11/16/11 16:30	1

Client Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Client Sample ID: LLI01-BS01-0000-WSXX

Lab Sample ID: 240-5811-1

Date Collected: 11/10/11 10:30

Matrix: Water

Date Received: 11/11/11 07:45

Method: 8270C - TCL Semivolatile Compounds (OLMO4.2) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	4.8	U	4.8	0.58	ug/L		11/14/11 08:52	11/16/11 16:30	1
Dimethyl phthalate	4.8	U	4.8	0.28	ug/L		11/14/11 08:52	11/16/11 16:30	1
Di-n-butyl phthalate	4.8	U	4.8	0.64	ug/L		11/14/11 08:52	11/16/11 16:30	1
Di-n-octyl phthalate	4.8	U	4.8	0.77	ug/L		11/14/11 08:52	11/16/11 16:30	1
Fluoranthene	0.96	U	0.96	0.096	ug/L		11/14/11 08:52	11/16/11 16:30	1
Fluorene	4.8	U	4.8	0.096	ug/L		11/14/11 08:52	11/16/11 16:30	1
Hexachlorobenzene	0.19	U	0.19	0.096	ug/L		11/14/11 08:52	11/16/11 16:30	1
Hexachlorobutadiene	0.96	U	0.96	0.26	ug/L		11/14/11 08:52	11/16/11 16:30	1
Hexachlorocyclopentadiene	4.8	U	4.8	0.77	ug/L		11/14/11 08:52	11/16/11 16:30	1
Hexachloroethane	4.8	U	4.8	0.77	ug/L		11/14/11 08:52	11/16/11 16:30	1
Indeno[1,2,3-cd]pyrene	1.9	U	1.9	0.096	ug/L		11/14/11 08:52	11/16/11 16:30	1
Isophorone	4.8	U	4.8	0.26	ug/L		11/14/11 08:52	11/16/11 16:30	1
Naphthalene	4.8	U	4.8	0.096	ug/L		11/14/11 08:52	11/16/11 16:30	1
Nitrobenzene	2.9	U	2.9	0.038	ug/L		11/14/11 08:52	11/16/11 16:30	1
N-Nitrosodi-n-propylamine	4.8	U	4.8	0.77	ug/L		11/14/11 08:52	11/16/11 16:30	1
N-Nitrosodiphenylamine	4.8	U	4.8	0.30	ug/L		11/14/11 08:52	11/16/11 16:30	1
Pentachlorophenol	4.8	U	4.8	2.3	ug/L		11/14/11 08:52	11/16/11 16:30	1
Phenol	4.8	U	4.8	0.58	ug/L		11/14/11 08:52	11/16/11 16:30	1
Phenanthrene	1.9	U	1.9	0.096	ug/L		11/14/11 08:52	11/16/11 16:30	1
Pyrene	4.8	U	4.8	0.096	ug/L		11/14/11 08:52	11/16/11 16:30	1
3 & 4 Methylphenol	4.8	U	4.8	0.72	ug/L		11/14/11 08:52	11/16/11 16:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	58		28 - 110	11/14/11 08:52	11/16/11 16:30	1
2-Fluorophenol (Surr)	63		10 - 110	11/14/11 08:52	11/16/11 16:30	1
2,4,6-Tribromophenol (Surr)	51		22 - 120	11/14/11 08:52	11/16/11 16:30	1
Nitrobenzene-d5 (Surr)	60		27 - 111	11/14/11 08:52	11/16/11 16:30	1
Phenol-d5 (Surr)	55		10 - 110	11/14/11 08:52	11/16/11 16:30	1
Terphenyl-d14 (Surr)	68		37 - 119	11/14/11 08:52	11/16/11 16:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.095	U	0.095	0.042	ug/L		11/14/11 08:45	11/16/11 08:22	1
PCB-1221	0.095	U	0.095	0.043	ug/L		11/14/11 08:45	11/16/11 08:22	1
PCB-1232	0.095	U	0.095	0.070	ug/L		11/14/11 08:45	11/16/11 08:22	1
PCB-1242	0.095	U	0.095	0.057	ug/L		11/14/11 08:45	11/16/11 08:22	1
PCB-1248	0.095	U	0.095	0.058	ug/L		11/14/11 08:45	11/16/11 08:22	1
PCB-1254	0.095	U	0.095	0.030	ug/L		11/14/11 08:45	11/16/11 08:22	1
PCB-1260	0.095	U	0.095	0.036	ug/L		11/14/11 08:45	11/16/11 08:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	78		23 - 136	11/14/11 08:45	11/16/11 08:22	1
DCB Decachlorobiphenyl	37		10 - 130	11/14/11 08:45	11/16/11 08:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.73	J	5.0	0.40	ug/L		11/16/11 05:30	11/21/11 20:10	1
Barium	200	B	5.0	0.19	ug/L		11/16/11 05:30	11/21/11 20:10	1
Cadmium	0.36	J	1.0	0.13	ug/L		11/16/11 05:30	11/21/11 20:10	1
Chromium	2.0	U	2.0	0.71	ug/L		11/16/11 05:30	11/21/11 20:10	1
Copper	18	B	2.0	0.29	ug/L		11/16/11 05:30	11/21/11 20:10	1

Client Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Client Sample ID: LLI01-BS01-0000-WSXX

Lab Sample ID: 240-5811-1

Date Collected: 11/10/11 10:30

Matrix: Water

Date Received: 11/11/11 07:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	670		1.0	0.18	ug/L		11/16/11 05:30	11/21/11 20:10	1
Selenium	5.0	U	5.0	0.57	ug/L		11/16/11 05:30	11/21/11 20:10	1
Zinc	130	B	20	2.3	ug/L		11/16/11 05:30	11/21/11 20:10	1
Silver	0.20	U	0.20	0.080	ug/L		11/16/11 05:30	11/21/11 20:10	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		11/15/11 15:35	11/16/11 09:49	1

Client Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Client Sample ID: LLI01-BS02-0000-WSXX

Lab Sample ID: 240-5811-2

Date Collected: 11/10/11 10:40

Matrix: Water

Date Received: 11/11/11 07:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			11/22/11 02:06	1
Benzene	1.0	U	1.0	0.13	ug/L			11/22/11 02:06	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			11/22/11 02:06	1
Bromoform	1.0	U	1.0	0.64	ug/L			11/22/11 02:06	1
Bromomethane	1.0	U	1.0	0.41	ug/L			11/22/11 02:06	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			11/22/11 02:06	1
Carbon disulfide	0.38	J	5.0	0.13	ug/L			11/22/11 02:06	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			11/22/11 02:06	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			11/22/11 02:06	1
Chloroethane	1.0	U	1.0	0.29	ug/L			11/22/11 02:06	1
Chloroform	1.0	U	1.0	0.16	ug/L			11/22/11 02:06	1
Chloromethane	1.0	U	1.0	0.30	ug/L			11/22/11 02:06	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			11/22/11 02:06	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			11/22/11 02:06	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			11/22/11 02:06	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			11/22/11 02:06	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			11/22/11 02:06	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			11/22/11 02:06	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			11/22/11 02:06	1
2-Hexanone	10	U	10	0.41	ug/L			11/22/11 02:06	1
Methylene Chloride	5.0	U	5.0	0.33	ug/L			11/22/11 02:06	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			11/22/11 02:06	1
Styrene	1.0	U	1.0	0.11	ug/L			11/22/11 02:06	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			11/22/11 02:06	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			11/22/11 02:06	1
Toluene	1.0	U	1.0	0.13	ug/L			11/22/11 02:06	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			11/22/11 02:06	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			11/22/11 02:06	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			11/22/11 02:06	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			11/22/11 02:06	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			11/22/11 02:06	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			11/22/11 02:06	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			11/22/11 02:06	1
1,2-Dibromoethane	1.0	U	1.0	0.24	ug/L			11/22/11 02:06	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			11/22/11 02:06	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			11/22/11 02:06	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			11/22/11 02:06	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			11/22/11 02:06	1
Methyl acetate	10	U	10	0.38	ug/L			11/22/11 02:06	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			11/22/11 02:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			11/22/11 02:06	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			11/22/11 02:06	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			11/22/11 02:06	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			11/22/11 02:06	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			11/22/11 02:06	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			11/22/11 02:06	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			11/22/11 02:06	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			11/22/11 02:06	1

Client Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Client Sample ID: LLI01-BS02-0000-WSXX

Lab Sample ID: 240-5811-2

Date Collected: 11/10/11 10:40

Matrix: Water

Date Received: 11/11/11 07:45

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		63 - 129					11/22/11 02:06	1
4-Bromofluorobenzene (Surr)	89		66 - 117					11/22/11 02:06	1
Toluene-d8 (Surr)	100		74 - 115					11/22/11 02:06	1
Dibromofluoromethane (Surr)	110		75 - 121					11/22/11 02:06	1

Method: 8270C - TCL Semivolatile Compounds (OLMO4.2)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	56	U	56	8.9	ug/L		11/14/11 08:52	11/16/11 20:07	10
2,2'-oxybis[1-chloropropane]	56	U	56	4.4	ug/L		11/14/11 08:52	11/16/11 20:07	10
2,4,5-Trichlorophenol	56	U	56	3.3	ug/L		11/14/11 08:52	11/16/11 20:07	10
2,4,6-Trichlorophenol	44	U	44	8.9	ug/L		11/14/11 08:52	11/16/11 20:07	10
2,4-Dichlorophenol	110	U	110	8.9	ug/L		11/14/11 08:52	11/16/11 20:07	10
2,4-Dimethylphenol	56	U	56	8.9	ug/L		11/14/11 08:52	11/16/11 20:07	10
2,4-Dinitrophenol	220	U	220	27	ug/L		11/14/11 08:52	11/16/11 20:07	10
2,4-Dinitrotoluene	56	U	56	3.0	ug/L		11/14/11 08:52	11/16/11 20:07	10
2,6-Dinitrotoluene	56	U	56	8.9	ug/L		11/14/11 08:52	11/16/11 20:07	10
2-Chloronaphthalene	56	U	56	1.1	ug/L		11/14/11 08:52	11/16/11 20:07	10
2-Chlorophenol	56	U	56	3.2	ug/L		11/14/11 08:52	11/16/11 20:07	10
2-Methylnaphthalene	56	U	56	1.1	ug/L		11/14/11 08:52	11/16/11 20:07	10
2-Methylphenol	56	U	56	8.9	ug/L		11/14/11 08:52	11/16/11 20:07	10
2-Nitroaniline	220	U	220	8.9	ug/L		11/14/11 08:52	11/16/11 20:07	10
2-Nitrophenol	56	U	56	3.1	ug/L		11/14/11 08:52	11/16/11 20:07	10
3,3'-Dichlorobenzidine	11	U	11	4.1	ug/L		11/14/11 08:52	11/16/11 20:07	10
3-Nitroaniline	220	U	220	3.1	ug/L		11/14/11 08:52	11/16/11 20:07	10
4,6-Dinitro-2-methylphenol	220	U	220	27	ug/L		11/14/11 08:52	11/16/11 20:07	10
4-Bromophenyl phenyl ether	56	U	56	8.9	ug/L		11/14/11 08:52	11/16/11 20:07	10
4-Chloro-3-methylphenol	56	U	56	8.9	ug/L		11/14/11 08:52	11/16/11 20:07	10
4-Chloroaniline	110	U	110	8.9	ug/L		11/14/11 08:52	11/16/11 20:07	10
4-Chlorophenyl phenyl ether	56	U	56	3.3	ug/L		11/14/11 08:52	11/16/11 20:07	10
4-Nitroaniline	220	U	220	8.9	ug/L		11/14/11 08:52	11/16/11 20:07	10
4-Nitrophenol	220	U	220	27	ug/L		11/14/11 08:52	11/16/11 20:07	10
Acenaphthene	56	U	56	1.1	ug/L		11/14/11 08:52	11/16/11 20:07	10
Acenaphthylene	56	U	56	1.1	ug/L		11/14/11 08:52	11/16/11 20:07	10
Acetophenone	56	U	56	3.8	ug/L		11/14/11 08:52	11/16/11 20:07	10
Anthracene	56	U	56	1.1	ug/L		11/14/11 08:52	11/16/11 20:07	10
Atrazine	33	U	33	3.8	ug/L		11/14/11 08:52	11/16/11 20:07	10
Benzaldehyde	56	U	56	4.3	ug/L		11/14/11 08:52	11/16/11 20:07	10
Benzo[a]anthracene	11	U	11	1.1	ug/L		11/14/11 08:52	11/16/11 20:07	10
Benzo[a]pyrene	11	U	11	1.1	ug/L		11/14/11 08:52	11/16/11 20:07	10
Benzo[b]fluoranthene	11	U	11	1.1	ug/L		11/14/11 08:52	11/16/11 20:07	10
Benzo[g,h,i]perylene	11	U	11	1.1	ug/L		11/14/11 08:52	11/16/11 20:07	10
Benzo[k]fluoranthene	11	U	11	1.1	ug/L		11/14/11 08:52	11/16/11 20:07	10
Bis(2-chloroethoxy)methane	56	U	56	3.6	ug/L		11/14/11 08:52	11/16/11 20:07	10
Bis(2-chloroethyl)ether	11	U	11	1.1	ug/L		11/14/11 08:52	11/16/11 20:07	10
Bis(2-ethylhexyl) phthalate	56	U	56	8.9	ug/L		11/14/11 08:52	11/16/11 20:07	10
Butyl benzyl phthalate	56	U	56	8.9	ug/L		11/14/11 08:52	11/16/11 20:07	10
Caprolactam	110	U *	110	8.9	ug/L		11/14/11 08:52	11/16/11 20:07	10
Carbazole	110	U	110	3.1	ug/L		11/14/11 08:52	11/16/11 20:07	10
Chrysene	11	U	11	1.1	ug/L		11/14/11 08:52	11/16/11 20:07	10
Dibenz(a,h)anthracene	22	U	22	1.1	ug/L		11/14/11 08:52	11/16/11 20:07	10
Dibenzofuran	44	U	44	1.1	ug/L		11/14/11 08:52	11/16/11 20:07	10

Client Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Client Sample ID: LLI01-BS02-0000-WSXX

Lab Sample ID: 240-5811-2

Date Collected: 11/10/11 10:40

Matrix: Water

Date Received: 11/11/11 07:45

Method: 8270C - TCL Semivolatile Compounds (OLMO4.2) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	56	U	56	6.7	ug/L		11/14/11 08:52	11/16/11 20:07	10
Dimethyl phthalate	56	U	56	3.2	ug/L		11/14/11 08:52	11/16/11 20:07	10
Di-n-butyl phthalate	56	U	56	7.4	ug/L		11/14/11 08:52	11/16/11 20:07	10
Di-n-octyl phthalate	56	U	56	8.9	ug/L		11/14/11 08:52	11/16/11 20:07	10
Fluoranthene	2.6	J	11	1.1	ug/L		11/14/11 08:52	11/16/11 20:07	10
Fluorene	56	U	56	1.1	ug/L		11/14/11 08:52	11/16/11 20:07	10
Hexachlorobenzene	2.2	U	2.2	1.1	ug/L		11/14/11 08:52	11/16/11 20:07	10
Hexachlorobutadiene	11	U	11	3.0	ug/L		11/14/11 08:52	11/16/11 20:07	10
Hexachlorocyclopentadiene	56	U	56	8.9	ug/L		11/14/11 08:52	11/16/11 20:07	10
Hexachloroethane	56	U	56	8.9	ug/L		11/14/11 08:52	11/16/11 20:07	10
Indeno[1,2,3-cd]pyrene	22	U	22	1.1	ug/L		11/14/11 08:52	11/16/11 20:07	10
Isophorone	56	U	56	3.0	ug/L		11/14/11 08:52	11/16/11 20:07	10
Naphthalene	56	U	56	1.1	ug/L		11/14/11 08:52	11/16/11 20:07	10
Nitrobenzene	33	U	33	0.44	ug/L		11/14/11 08:52	11/16/11 20:07	10
N-Nitrosodi-n-propylamine	56	U	56	8.9	ug/L		11/14/11 08:52	11/16/11 20:07	10
N-Nitrosodiphenylamine	56	U	56	3.4	ug/L		11/14/11 08:52	11/16/11 20:07	10
Pentachlorophenol	56	U	56	27	ug/L		11/14/11 08:52	11/16/11 20:07	10
Phenol	56	U	56	6.7	ug/L		11/14/11 08:52	11/16/11 20:07	10
Phenanthrene	22	U	22	1.1	ug/L		11/14/11 08:52	11/16/11 20:07	10
Pyrene	2.3	J	56	1.1	ug/L		11/14/11 08:52	11/16/11 20:07	10
3 & 4 Methylphenol	56	U	56	8.3	ug/L		11/14/11 08:52	11/16/11 20:07	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	60		28 - 110	11/14/11 08:52	11/16/11 20:07	10
2-Fluorophenol (Surr)	48		10 - 110	11/14/11 08:52	11/16/11 20:07	10
2,4,6-Tribromophenol (Surr)	51		22 - 120	11/14/11 08:52	11/16/11 20:07	10
Nitrobenzene-d5 (Surr)	41		27 - 111	11/14/11 08:52	11/16/11 20:07	10
Phenol-d5 (Surr)	12		10 - 110	11/14/11 08:52	11/16/11 20:07	10
Terphenyl-d14 (Surr)	60		37 - 119	11/14/11 08:52	11/16/11 20:07	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.095	U	0.095	0.042	ug/L		11/14/11 08:45	11/17/11 12:00	1
PCB-1221	0.095	U	0.095	0.043	ug/L		11/14/11 08:45	11/17/11 12:00	1
PCB-1232	0.095	U	0.095	0.070	ug/L		11/14/11 08:45	11/17/11 12:00	1
PCB-1242	0.095	U	0.095	0.057	ug/L		11/14/11 08:45	11/17/11 12:00	1
PCB-1248	0.095	U	0.095	0.058	ug/L		11/14/11 08:45	11/17/11 12:00	1
PCB-1254	1.2		0.095	0.030	ug/L		11/14/11 08:45	11/17/11 12:00	1
PCB-1260	0.095	U	0.095	0.036	ug/L		11/14/11 08:45	11/17/11 12:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	47		23 - 136	11/14/11 08:45	11/17/11 12:00	1
DCB Decachlorobiphenyl	27		10 - 130	11/14/11 08:45	11/17/11 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.8	J	5.0	0.40	ug/L		11/16/11 05:30	11/21/11 20:15	1
Barium	170	B	5.0	0.19	ug/L		11/16/11 05:30	11/21/11 20:15	1
Cadmium	2.4		1.0	0.13	ug/L		11/16/11 05:30	11/21/11 20:15	1
Chromium	2.6		2.0	0.71	ug/L		11/16/11 05:30	11/21/11 20:15	1
Copper	190	B	2.0	0.29	ug/L		11/16/11 05:30	11/21/11 20:15	1

Client Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Client Sample ID: LLI01-BS02-0000-WSXX

Lab Sample ID: 240-5811-2

Date Collected: 11/10/11 10:40

Matrix: Water

Date Received: 11/11/11 07:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	530		1.0	0.18	ug/L		11/16/11 05:30	11/21/11 20:15	1
Selenium	1.0	J	5.0	0.57	ug/L		11/16/11 05:30	11/21/11 20:15	1
Zinc	350	B	20	2.3	ug/L		11/16/11 05:30	11/21/11 20:15	1
Silver	0.11	J	0.20	0.080	ug/L		11/16/11 05:30	11/21/11 20:15	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.25		0.20	0.12	ug/L		11/15/11 15:35	11/16/11 09:50	1

Client Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Client Sample ID: LLI01-BS03-0000-WSXX

Lab Sample ID: 240-5811-3

Date Collected: 11/10/11 10:45

Matrix: Water

Date Received: 11/11/11 07:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			11/22/11 02:28	1
Benzene	1.0	U	1.0	0.13	ug/L			11/22/11 02:28	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			11/22/11 02:28	1
Bromoform	1.0	U	1.0	0.64	ug/L			11/22/11 02:28	1
Bromomethane	1.0	U	1.0	0.41	ug/L			11/22/11 02:28	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			11/22/11 02:28	1
Carbon disulfide	5.0	U	5.0	0.13	ug/L			11/22/11 02:28	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			11/22/11 02:28	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			11/22/11 02:28	1
Chloroethane	1.0	U	1.0	0.29	ug/L			11/22/11 02:28	1
Chloroform	1.0	U	1.0	0.16	ug/L			11/22/11 02:28	1
Chloromethane	1.0	U	1.0	0.30	ug/L			11/22/11 02:28	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			11/22/11 02:28	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			11/22/11 02:28	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			11/22/11 02:28	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			11/22/11 02:28	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			11/22/11 02:28	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			11/22/11 02:28	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			11/22/11 02:28	1
2-Hexanone	10	U	10	0.41	ug/L			11/22/11 02:28	1
Methylene Chloride	5.0	U	5.0	0.33	ug/L			11/22/11 02:28	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			11/22/11 02:28	1
Styrene	1.0	U	1.0	0.11	ug/L			11/22/11 02:28	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			11/22/11 02:28	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			11/22/11 02:28	1
Toluene	1.0	U	1.0	0.13	ug/L			11/22/11 02:28	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			11/22/11 02:28	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			11/22/11 02:28	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			11/22/11 02:28	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			11/22/11 02:28	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			11/22/11 02:28	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			11/22/11 02:28	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			11/22/11 02:28	1
1,2-Dibromoethane	1.0	U	1.0	0.24	ug/L			11/22/11 02:28	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			11/22/11 02:28	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			11/22/11 02:28	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			11/22/11 02:28	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			11/22/11 02:28	1
Methyl acetate	10	U	10	0.38	ug/L			11/22/11 02:28	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			11/22/11 02:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			11/22/11 02:28	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			11/22/11 02:28	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			11/22/11 02:28	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			11/22/11 02:28	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			11/22/11 02:28	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			11/22/11 02:28	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			11/22/11 02:28	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			11/22/11 02:28	1

Client Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Client Sample ID: LLI01-BS03-0000-WSXX

Lab Sample ID: 240-5811-3

Date Collected: 11/10/11 10:45

Matrix: Water

Date Received: 11/11/11 07:45

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		63 - 129		11/22/11 02:28	1
4-Bromofluorobenzene (Surr)	91		66 - 117		11/22/11 02:28	1
Toluene-d8 (Surr)	104		74 - 115		11/22/11 02:28	1
Dibromofluoromethane (Surr)	113		75 - 121		11/22/11 02:28	1

Method: 8270C - TCL Semivolatile Compounds (OLMO4.2)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	19	U	19	3.0	ug/L		11/14/11 08:52	11/16/11 19:51	4
2,2'-oxybis[1-chloropropane]	19	U	19	1.5	ug/L		11/14/11 08:52	11/16/11 19:51	4
2,4,5-Trichlorophenol	19	U	19	1.1	ug/L		11/14/11 08:52	11/16/11 19:51	4
2,4,6-Trichlorophenol	15	U	15	3.0	ug/L		11/14/11 08:52	11/16/11 19:51	4
2,4-Dichlorophenol	38	U	38	3.0	ug/L		11/14/11 08:52	11/16/11 19:51	4
2,4-Dimethylphenol	19	U	19	3.0	ug/L		11/14/11 08:52	11/16/11 19:51	4
2,4-Dinitrophenol	76	U	76	9.1	ug/L		11/14/11 08:52	11/16/11 19:51	4
2,4-Dinitrotoluene	19	U	19	1.0	ug/L		11/14/11 08:52	11/16/11 19:51	4
2,6-Dinitrotoluene	19	U	19	3.0	ug/L		11/14/11 08:52	11/16/11 19:51	4
2-Chloronaphthalene	19	U	19	0.38	ug/L		11/14/11 08:52	11/16/11 19:51	4
2-Chlorophenol	19	U	19	1.1	ug/L		11/14/11 08:52	11/16/11 19:51	4
2-Methylnaphthalene	19	U	19	0.38	ug/L		11/14/11 08:52	11/16/11 19:51	4
2-Methylphenol	19	U	19	3.0	ug/L		11/14/11 08:52	11/16/11 19:51	4
2-Nitroaniline	76	U	76	3.0	ug/L		11/14/11 08:52	11/16/11 19:51	4
2-Nitrophenol	19	U	19	1.1	ug/L		11/14/11 08:52	11/16/11 19:51	4
3,3'-Dichlorobenzidine	3.8	U	3.8	1.4	ug/L		11/14/11 08:52	11/16/11 19:51	4
3-Nitroaniline	76	U	76	1.1	ug/L		11/14/11 08:52	11/16/11 19:51	4
4,6-Dinitro-2-methylphenol	76	U	76	9.1	ug/L		11/14/11 08:52	11/16/11 19:51	4
4-Bromophenyl phenyl ether	19	U	19	3.0	ug/L		11/14/11 08:52	11/16/11 19:51	4
4-Chloro-3-methylphenol	19	U	19	3.0	ug/L		11/14/11 08:52	11/16/11 19:51	4
4-Chloroaniline	38	U	38	3.0	ug/L		11/14/11 08:52	11/16/11 19:51	4
4-Chlorophenyl phenyl ether	19	U	19	1.1	ug/L		11/14/11 08:52	11/16/11 19:51	4
4-Nitroaniline	76	U	76	3.0	ug/L		11/14/11 08:52	11/16/11 19:51	4
4-Nitrophenol	76	U	76	9.1	ug/L		11/14/11 08:52	11/16/11 19:51	4
Acenaphthene	19	U	19	0.38	ug/L		11/14/11 08:52	11/16/11 19:51	4
Acenaphthylene	19	U	19	0.38	ug/L		11/14/11 08:52	11/16/11 19:51	4
Acetophenone	19	U	19	1.3	ug/L		11/14/11 08:52	11/16/11 19:51	4
Anthracene	19	U	19	0.38	ug/L		11/14/11 08:52	11/16/11 19:51	4
Atrazine	11	U	11	1.3	ug/L		11/14/11 08:52	11/16/11 19:51	4
Benzaldehyde	19	U	19	1.5	ug/L		11/14/11 08:52	11/16/11 19:51	4
Benzo[a]anthracene	3.8	U	3.8	0.38	ug/L		11/14/11 08:52	11/16/11 19:51	4
Benzo[a]pyrene	3.8	U	3.8	0.38	ug/L		11/14/11 08:52	11/16/11 19:51	4
Benzo[b]fluoranthene	3.8	U	3.8	0.38	ug/L		11/14/11 08:52	11/16/11 19:51	4
Benzo[g,h,i]perylene	3.8	U	3.8	0.38	ug/L		11/14/11 08:52	11/16/11 19:51	4
Benzo[k]fluoranthene	3.8	U	3.8	0.38	ug/L		11/14/11 08:52	11/16/11 19:51	4
Bis(2-chloroethoxy)methane	19	U	19	1.2	ug/L		11/14/11 08:52	11/16/11 19:51	4
Bis(2-chloroethyl)ether	3.8	U	3.8	0.38	ug/L		11/14/11 08:52	11/16/11 19:51	4
Bis(2-ethylhexyl) phthalate	19	U	19	3.0	ug/L		11/14/11 08:52	11/16/11 19:51	4
Butyl benzyl phthalate	19	U	19	3.0	ug/L		11/14/11 08:52	11/16/11 19:51	4
Caprolactam	38	U *	38	3.0	ug/L		11/14/11 08:52	11/16/11 19:51	4
Carbazole	38	U	38	1.1	ug/L		11/14/11 08:52	11/16/11 19:51	4
Chrysene	3.8	U	3.8	0.38	ug/L		11/14/11 08:52	11/16/11 19:51	4
Dibenz(a,h)anthracene	7.6	U	7.6	0.38	ug/L		11/14/11 08:52	11/16/11 19:51	4
Dibenzofuran	15	U	15	0.38	ug/L		11/14/11 08:52	11/16/11 19:51	4

Client Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Client Sample ID: LLI01-BS03-0000-WSXX

Lab Sample ID: 240-5811-3

Date Collected: 11/10/11 10:45

Matrix: Water

Date Received: 11/11/11 07:45

Method: 8270C - TCL Semivolatile Compounds (OLMO4.2) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	19	U	19	2.3	ug/L		11/14/11 08:52	11/16/11 19:51	4
Dimethyl phthalate	19	U	19	1.1	ug/L		11/14/11 08:52	11/16/11 19:51	4
Di-n-butyl phthalate	19	U	19	2.6	ug/L		11/14/11 08:52	11/16/11 19:51	4
Di-n-octyl phthalate	19	U	19	3.0	ug/L		11/14/11 08:52	11/16/11 19:51	4
Fluoranthene	0.52	J	3.8	0.38	ug/L		11/14/11 08:52	11/16/11 19:51	4
Fluorene	19	U	19	0.38	ug/L		11/14/11 08:52	11/16/11 19:51	4
Hexachlorobenzene	0.76	U	0.76	0.38	ug/L		11/14/11 08:52	11/16/11 19:51	4
Hexachlorobutadiene	3.8	U	3.8	1.0	ug/L		11/14/11 08:52	11/16/11 19:51	4
Hexachlorocyclopentadiene	19	U	19	3.0	ug/L		11/14/11 08:52	11/16/11 19:51	4
Hexachloroethane	19	U	19	3.0	ug/L		11/14/11 08:52	11/16/11 19:51	4
Indeno[1,2,3-cd]pyrene	7.6	U	7.6	0.38	ug/L		11/14/11 08:52	11/16/11 19:51	4
Isophorone	19	U	19	1.0	ug/L		11/14/11 08:52	11/16/11 19:51	4
Naphthalene	19	U	19	0.38	ug/L		11/14/11 08:52	11/16/11 19:51	4
Nitrobenzene	11	U	11	0.15	ug/L		11/14/11 08:52	11/16/11 19:51	4
N-Nitrosodi-n-propylamine	19	U	19	3.0	ug/L		11/14/11 08:52	11/16/11 19:51	4
N-Nitrosodiphenylamine	19	U	19	1.2	ug/L		11/14/11 08:52	11/16/11 19:51	4
Pentachlorophenol	19	U	19	9.1	ug/L		11/14/11 08:52	11/16/11 19:51	4
Phenol	19	U	19	2.3	ug/L		11/14/11 08:52	11/16/11 19:51	4
Phenanthrene	7.6	U	7.6	0.38	ug/L		11/14/11 08:52	11/16/11 19:51	4
Pyrene	0.48	J	19	0.38	ug/L		11/14/11 08:52	11/16/11 19:51	4
3 & 4 Methylphenol	19	U	19	2.9	ug/L		11/14/11 08:52	11/16/11 19:51	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	45		28 - 110	11/14/11 08:52	11/16/11 19:51	4
2-Fluorophenol (Surr)	42		10 - 110	11/14/11 08:52	11/16/11 19:51	4
2,4,6-Tribromophenol (Surr)	41		22 - 120	11/14/11 08:52	11/16/11 19:51	4
Nitrobenzene-d5 (Surr)	39		27 - 111	11/14/11 08:52	11/16/11 19:51	4
Phenol-d5 (Surr)	33		10 - 110	11/14/11 08:52	11/16/11 19:51	4
Terphenyl-d14 (Surr)	47		37 - 119	11/14/11 08:52	11/16/11 19:51	4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.095	U	0.095	0.042	ug/L		11/14/11 08:45	11/16/11 08:53	1
PCB-1221	0.095	U	0.095	0.043	ug/L		11/14/11 08:45	11/16/11 08:53	1
PCB-1232	0.095	U	0.095	0.070	ug/L		11/14/11 08:45	11/16/11 08:53	1
PCB-1242	0.095	U	0.095	0.057	ug/L		11/14/11 08:45	11/16/11 08:53	1
PCB-1248	0.095	U	0.095	0.058	ug/L		11/14/11 08:45	11/16/11 08:53	1
PCB-1254	0.40		0.095	0.030	ug/L		11/14/11 08:45	11/16/11 08:53	1
PCB-1260	0.095	U	0.095	0.036	ug/L		11/14/11 08:45	11/16/11 08:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	79		23 - 136	11/14/11 08:45	11/16/11 08:53	1
DCB Decachlorobiphenyl	28		10 - 130	11/14/11 08:45	11/16/11 08:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.78	J	5.0	0.40	ug/L		11/16/11 05:30	11/21/11 20:21	1
Barium	74	B	5.0	0.19	ug/L		11/16/11 05:30	11/21/11 20:21	1
Cadmium	0.38	J	1.0	0.13	ug/L		11/16/11 05:30	11/21/11 20:21	1
Chromium	2.0	U	2.0	0.71	ug/L		11/16/11 05:30	11/21/11 20:21	1
Copper	13	B	2.0	0.29	ug/L		11/16/11 05:30	11/21/11 20:21	1

Client Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Client Sample ID: LLI01-BS03-0000-WSXX

Lab Sample ID: 240-5811-3

Date Collected: 11/10/11 10:45

Matrix: Water

Date Received: 11/11/11 07:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	36		1.0	0.18	ug/L		11/16/11 05:30	11/21/11 20:21	1
Selenium	5.0	U	5.0	0.57	ug/L		11/16/11 05:30	11/21/11 20:21	1
Zinc	160	B	20	2.3	ug/L		11/16/11 05:30	11/21/11 20:21	1
Silver	0.20	U	0.20	0.080	ug/L		11/16/11 05:30	11/21/11 20:21	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		11/15/11 15:35	11/16/11 09:51	1

Client Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Client Sample ID: LLI01-BS04-0000-WSXX

Lab Sample ID: 240-5811-4

Date Collected: 11/10/11 10:50

Matrix: Water

Date Received: 11/11/11 07:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			11/22/11 02:49	1
Benzene	1.0	U	1.0	0.13	ug/L			11/22/11 02:49	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			11/22/11 02:49	1
Bromoform	1.0	U	1.0	0.64	ug/L			11/22/11 02:49	1
Bromomethane	1.0	U	1.0	0.41	ug/L			11/22/11 02:49	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			11/22/11 02:49	1
Carbon disulfide	5.0	U	5.0	0.13	ug/L			11/22/11 02:49	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			11/22/11 02:49	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			11/22/11 02:49	1
Chloroethane	1.0	U	1.0	0.29	ug/L			11/22/11 02:49	1
Chloroform	1.0	U	1.0	0.16	ug/L			11/22/11 02:49	1
Chloromethane	1.0	U	1.0	0.30	ug/L			11/22/11 02:49	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			11/22/11 02:49	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			11/22/11 02:49	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			11/22/11 02:49	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			11/22/11 02:49	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			11/22/11 02:49	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			11/22/11 02:49	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			11/22/11 02:49	1
2-Hexanone	10	U	10	0.41	ug/L			11/22/11 02:49	1
Methylene Chloride	5.0	U	5.0	0.33	ug/L			11/22/11 02:49	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			11/22/11 02:49	1
Styrene	1.0	U	1.0	0.11	ug/L			11/22/11 02:49	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			11/22/11 02:49	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			11/22/11 02:49	1
Toluene	1.0	U	1.0	0.13	ug/L			11/22/11 02:49	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			11/22/11 02:49	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			11/22/11 02:49	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			11/22/11 02:49	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			11/22/11 02:49	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			11/22/11 02:49	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			11/22/11 02:49	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			11/22/11 02:49	1
1,2-Dibromoethane	1.0	U	1.0	0.24	ug/L			11/22/11 02:49	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			11/22/11 02:49	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			11/22/11 02:49	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			11/22/11 02:49	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			11/22/11 02:49	1
Methyl acetate	10	U	10	0.38	ug/L			11/22/11 02:49	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			11/22/11 02:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			11/22/11 02:49	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			11/22/11 02:49	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			11/22/11 02:49	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			11/22/11 02:49	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			11/22/11 02:49	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			11/22/11 02:49	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			11/22/11 02:49	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			11/22/11 02:49	1

Client Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Client Sample ID: LLI01-BS04-0000-WSXX

Lab Sample ID: 240-5811-4

Date Collected: 11/10/11 10:50

Matrix: Water

Date Received: 11/11/11 07:45

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		63 - 129					11/22/11 02:49	1
4-Bromofluorobenzene (Surr)	92		66 - 117					11/22/11 02:49	1
Toluene-d8 (Surr)	101		74 - 115					11/22/11 02:49	1
Dibromofluoromethane (Surr)	110		75 - 121					11/22/11 02:49	1

Method: 8270C - TCL Semivolatile Compounds (OLMO4.2)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 16:47	1
2,2'-oxybis[1-chloropropane]	4.8	U	4.8	0.38	ug/L		11/14/11 08:52	11/16/11 16:47	1
2,4,5-Trichlorophenol	4.8	U	4.8	0.29	ug/L		11/14/11 08:52	11/16/11 16:47	1
2,4,6-Trichlorophenol	3.8	U	3.8	0.76	ug/L		11/14/11 08:52	11/16/11 16:47	1
2,4-Dichlorophenol	9.5	U	9.5	0.76	ug/L		11/14/11 08:52	11/16/11 16:47	1
2,4-Dimethylphenol	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 16:47	1
2,4-Dinitrophenol	19	U	19	2.3	ug/L		11/14/11 08:52	11/16/11 16:47	1
2,4-Dinitrotoluene	4.8	U	4.8	0.26	ug/L		11/14/11 08:52	11/16/11 16:47	1
2,6-Dinitrotoluene	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 16:47	1
2-Chloronaphthalene	4.8	U	4.8	0.095	ug/L		11/14/11 08:52	11/16/11 16:47	1
2-Chlorophenol	4.8	U	4.8	0.28	ug/L		11/14/11 08:52	11/16/11 16:47	1
2-Methylnaphthalene	4.8	U	4.8	0.095	ug/L		11/14/11 08:52	11/16/11 16:47	1
2-Methylphenol	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 16:47	1
2-Nitroaniline	19	U	19	0.76	ug/L		11/14/11 08:52	11/16/11 16:47	1
2-Nitrophenol	4.8	U	4.8	0.27	ug/L		11/14/11 08:52	11/16/11 16:47	1
3,3'-Dichlorobenzidine	0.95	U	0.95	0.35	ug/L		11/14/11 08:52	11/16/11 16:47	1
3-Nitroaniline	19	U	19	0.27	ug/L		11/14/11 08:52	11/16/11 16:47	1
4,6-Dinitro-2-methylphenol	19	U	19	2.3	ug/L		11/14/11 08:52	11/16/11 16:47	1
4-Bromophenyl phenyl ether	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 16:47	1
4-Chloro-3-methylphenol	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 16:47	1
4-Chloroaniline	9.5	U	9.5	0.76	ug/L		11/14/11 08:52	11/16/11 16:47	1
4-Chlorophenyl phenyl ether	4.8	U	4.8	0.29	ug/L		11/14/11 08:52	11/16/11 16:47	1
4-Nitroaniline	19	U	19	0.76	ug/L		11/14/11 08:52	11/16/11 16:47	1
4-Nitrophenol	19	U	19	2.3	ug/L		11/14/11 08:52	11/16/11 16:47	1
Acenaphthene	4.8	U	4.8	0.095	ug/L		11/14/11 08:52	11/16/11 16:47	1
Acenaphthylene	4.8	U	4.8	0.095	ug/L		11/14/11 08:52	11/16/11 16:47	1
Acetophenone	4.8	U	4.8	0.32	ug/L		11/14/11 08:52	11/16/11 16:47	1
Anthracene	4.8	U	4.8	0.095	ug/L		11/14/11 08:52	11/16/11 16:47	1
Atrazine	2.9	U	2.9	0.32	ug/L		11/14/11 08:52	11/16/11 16:47	1
Benzaldehyde	4.8	U	4.8	0.37	ug/L		11/14/11 08:52	11/16/11 16:47	1
Benzo[a]anthracene	0.95	U	0.95	0.095	ug/L		11/14/11 08:52	11/16/11 16:47	1
Benzo[a]pyrene	0.95	U	0.95	0.095	ug/L		11/14/11 08:52	11/16/11 16:47	1
Benzo[b]fluoranthene	0.95	U	0.95	0.095	ug/L		11/14/11 08:52	11/16/11 16:47	1
Benzo[g,h,i]perylene	0.95	U	0.95	0.095	ug/L		11/14/11 08:52	11/16/11 16:47	1
Benzo[k]fluoranthene	0.95	U	0.95	0.095	ug/L		11/14/11 08:52	11/16/11 16:47	1
Bis(2-chloroethoxy)methane	4.8	U	4.8	0.30	ug/L		11/14/11 08:52	11/16/11 16:47	1
Bis(2-chloroethyl)ether	0.95	U	0.95	0.095	ug/L		11/14/11 08:52	11/16/11 16:47	1
Bis(2-ethylhexyl) phthalate	1.1	J	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 16:47	1
Butyl benzyl phthalate	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 16:47	1
Caprolactam	9.5	U *	9.5	0.76	ug/L		11/14/11 08:52	11/16/11 16:47	1
Carbazole	9.5	U	9.5	0.27	ug/L		11/14/11 08:52	11/16/11 16:47	1
Chrysene	0.95	U	0.95	0.095	ug/L		11/14/11 08:52	11/16/11 16:47	1
Dibenz(a,h)anthracene	1.9	U	1.9	0.095	ug/L		11/14/11 08:52	11/16/11 16:47	1
Dibenzofuran	3.8	U	3.8	0.095	ug/L		11/14/11 08:52	11/16/11 16:47	1

Client Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Client Sample ID: LLI01-BS04-0000-WSXX

Lab Sample ID: 240-5811-4

Date Collected: 11/10/11 10:50

Matrix: Water

Date Received: 11/11/11 07:45

Method: 8270C - TCL Semivolatile Compounds (OLMO4.2) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	4.8	U	4.8	0.57	ug/L		11/14/11 08:52	11/16/11 16:47	1
Dimethyl phthalate	4.8	U	4.8	0.28	ug/L		11/14/11 08:52	11/16/11 16:47	1
Di-n-butyl phthalate	4.8	U	4.8	0.64	ug/L		11/14/11 08:52	11/16/11 16:47	1
Di-n-octyl phthalate	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 16:47	1
Fluoranthene	0.15	J	0.95	0.095	ug/L		11/14/11 08:52	11/16/11 16:47	1
Fluorene	4.8	U	4.8	0.095	ug/L		11/14/11 08:52	11/16/11 16:47	1
Hexachlorobenzene	0.19	U	0.19	0.095	ug/L		11/14/11 08:52	11/16/11 16:47	1
Hexachlorobutadiene	0.95	U	0.95	0.26	ug/L		11/14/11 08:52	11/16/11 16:47	1
Hexachlorocyclopentadiene	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 16:47	1
Hexachloroethane	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 16:47	1
Indeno[1,2,3-cd]pyrene	1.9	U	1.9	0.095	ug/L		11/14/11 08:52	11/16/11 16:47	1
Isophorone	4.8	U	4.8	0.26	ug/L		11/14/11 08:52	11/16/11 16:47	1
Naphthalene	4.8	U	4.8	0.095	ug/L		11/14/11 08:52	11/16/11 16:47	1
Nitrobenzene	2.9	U	2.9	0.038	ug/L		11/14/11 08:52	11/16/11 16:47	1
N-Nitrosodi-n-propylamine	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 16:47	1
N-Nitrosodiphenylamine	4.8	U	4.8	0.30	ug/L		11/14/11 08:52	11/16/11 16:47	1
Pentachlorophenol	4.8	U	4.8	2.3	ug/L		11/14/11 08:52	11/16/11 16:47	1
Phenol	4.8	U	4.8	0.57	ug/L		11/14/11 08:52	11/16/11 16:47	1
Phenanthrene	1.9	U	1.9	0.095	ug/L		11/14/11 08:52	11/16/11 16:47	1
Pyrene	0.19	J	4.8	0.095	ug/L		11/14/11 08:52	11/16/11 16:47	1
3 & 4 Methylphenol	4.8	U	4.8	0.71	ug/L		11/14/11 08:52	11/16/11 16:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	59		28 - 110	11/14/11 08:52	11/16/11 16:47	1
2-Fluorophenol (Surr)	63		10 - 110	11/14/11 08:52	11/16/11 16:47	1
2,4,6-Tribromophenol (Surr)	56		22 - 120	11/14/11 08:52	11/16/11 16:47	1
Nitrobenzene-d5 (Surr)	57		27 - 111	11/14/11 08:52	11/16/11 16:47	1
Phenol-d5 (Surr)	50		10 - 110	11/14/11 08:52	11/16/11 16:47	1
Terphenyl-d14 (Surr)	72		37 - 119	11/14/11 08:52	11/16/11 16:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.095	U	0.095	0.042	ug/L		11/14/11 08:45	11/16/11 09:08	1
PCB-1221	0.095	U	0.095	0.043	ug/L		11/14/11 08:45	11/16/11 09:08	1
PCB-1232	0.095	U	0.095	0.070	ug/L		11/14/11 08:45	11/16/11 09:08	1
PCB-1242	0.095	U	0.095	0.057	ug/L		11/14/11 08:45	11/16/11 09:08	1
PCB-1248	0.095	U	0.095	0.058	ug/L		11/14/11 08:45	11/16/11 09:08	1
PCB-1254	0.095	U	0.095	0.030	ug/L		11/14/11 08:45	11/16/11 09:08	1
PCB-1260	0.095	U	0.095	0.036	ug/L		11/14/11 08:45	11/16/11 09:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	82		23 - 136	11/14/11 08:45	11/16/11 09:08	1
DCB Decachlorobiphenyl	53		10 - 130	11/14/11 08:45	11/16/11 09:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.54	J	5.0	0.40	ug/L		11/16/11 05:30	11/21/11 20:26	1
Barium	72	B	5.0	0.19	ug/L		11/16/11 05:30	11/21/11 20:26	1
Cadmium	0.42	J	1.0	0.13	ug/L		11/16/11 05:30	11/21/11 20:26	1
Chromium	2.0	U	2.0	0.71	ug/L		11/16/11 05:30	11/21/11 20:26	1
Copper	21	B	2.0	0.29	ug/L		11/16/11 05:30	11/21/11 20:26	1

Client Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Client Sample ID: LLI01-BS04-0000-WSXX

Lab Sample ID: 240-5811-4

Date Collected: 11/10/11 10:50

Matrix: Water

Date Received: 11/11/11 07:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	23		1.0	0.18	ug/L		11/16/11 05:30	11/21/11 20:26	1
Selenium	5.0	U	5.0	0.57	ug/L		11/16/11 05:30	11/21/11 20:26	1
Zinc	140	B	20	2.3	ug/L		11/16/11 05:30	11/21/11 20:26	1
Silver	0.20	U	0.20	0.080	ug/L		11/16/11 05:30	11/21/11 20:26	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		11/15/11 15:35	11/16/11 09:53	1

Client Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Client Sample ID: LLI01-BS05-0000-WSXX

Lab Sample ID: 240-5811-5

Date Collected: 11/10/11 10:50

Matrix: Water

Date Received: 11/11/11 07:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			11/22/11 03:11	1
Benzene	1.0	U	1.0	0.13	ug/L			11/22/11 03:11	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			11/22/11 03:11	1
Bromoform	1.0	U	1.0	0.64	ug/L			11/22/11 03:11	1
Bromomethane	1.0	U	1.0	0.41	ug/L			11/22/11 03:11	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			11/22/11 03:11	1
Carbon disulfide	5.0	U	5.0	0.13	ug/L			11/22/11 03:11	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			11/22/11 03:11	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			11/22/11 03:11	1
Chloroethane	1.0	U	1.0	0.29	ug/L			11/22/11 03:11	1
Chloroform	1.0	U	1.0	0.16	ug/L			11/22/11 03:11	1
Chloromethane	1.0	U	1.0	0.30	ug/L			11/22/11 03:11	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			11/22/11 03:11	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			11/22/11 03:11	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			11/22/11 03:11	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			11/22/11 03:11	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			11/22/11 03:11	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			11/22/11 03:11	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			11/22/11 03:11	1
2-Hexanone	10	U	10	0.41	ug/L			11/22/11 03:11	1
Methylene Chloride	5.0	U	5.0	0.33	ug/L			11/22/11 03:11	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			11/22/11 03:11	1
Styrene	1.0	U	1.0	0.11	ug/L			11/22/11 03:11	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			11/22/11 03:11	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			11/22/11 03:11	1
Toluene	1.0	U	1.0	0.13	ug/L			11/22/11 03:11	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			11/22/11 03:11	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			11/22/11 03:11	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			11/22/11 03:11	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			11/22/11 03:11	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			11/22/11 03:11	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			11/22/11 03:11	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			11/22/11 03:11	1
1,2-Dibromoethane	1.0	U	1.0	0.24	ug/L			11/22/11 03:11	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			11/22/11 03:11	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			11/22/11 03:11	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			11/22/11 03:11	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			11/22/11 03:11	1
Methyl acetate	10	U	10	0.38	ug/L			11/22/11 03:11	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			11/22/11 03:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			11/22/11 03:11	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			11/22/11 03:11	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			11/22/11 03:11	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			11/22/11 03:11	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			11/22/11 03:11	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			11/22/11 03:11	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			11/22/11 03:11	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			11/22/11 03:11	1

Client Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Client Sample ID: LLI01-BS05-0000-WSXX

Lab Sample ID: 240-5811-5

Date Collected: 11/10/11 10:50

Matrix: Water

Date Received: 11/11/11 07:45

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		63 - 129		11/22/11 03:11	1
4-Bromofluorobenzene (Surr)	91		66 - 117		11/22/11 03:11	1
Toluene-d8 (Surr)	103		74 - 115		11/22/11 03:11	1
Dibromofluoromethane (Surr)	115		75 - 121		11/22/11 03:11	1

Method: 8270C - TCL Semivolatile Compounds (OLMO4.2)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 17:04	1
2,2'-oxybis[1-chloropropane]	4.8	U	4.8	0.38	ug/L		11/14/11 08:52	11/16/11 17:04	1
2,4,5-Trichlorophenol	4.8	U	4.8	0.29	ug/L		11/14/11 08:52	11/16/11 17:04	1
2,4,6-Trichlorophenol	3.8	U	3.8	0.76	ug/L		11/14/11 08:52	11/16/11 17:04	1
2,4-Dichlorophenol	9.5	U	9.5	0.76	ug/L		11/14/11 08:52	11/16/11 17:04	1
2,4-Dimethylphenol	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 17:04	1
2,4-Dinitrophenol	19	U	19	2.3	ug/L		11/14/11 08:52	11/16/11 17:04	1
2,4-Dinitrotoluene	4.8	U	4.8	0.26	ug/L		11/14/11 08:52	11/16/11 17:04	1
2,6-Dinitrotoluene	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 17:04	1
2-Chloronaphthalene	4.8	U	4.8	0.095	ug/L		11/14/11 08:52	11/16/11 17:04	1
2-Chlorophenol	4.8	U	4.8	0.28	ug/L		11/14/11 08:52	11/16/11 17:04	1
2-Methylnaphthalene	4.8	U	4.8	0.095	ug/L		11/14/11 08:52	11/16/11 17:04	1
2-Methylphenol	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 17:04	1
2-Nitroaniline	19	U	19	0.76	ug/L		11/14/11 08:52	11/16/11 17:04	1
2-Nitrophenol	4.8	U	4.8	0.27	ug/L		11/14/11 08:52	11/16/11 17:04	1
3,3'-Dichlorobenzidine	0.95	U	0.95	0.35	ug/L		11/14/11 08:52	11/16/11 17:04	1
3-Nitroaniline	19	U	19	0.27	ug/L		11/14/11 08:52	11/16/11 17:04	1
4,6-Dinitro-2-methylphenol	19	U	19	2.3	ug/L		11/14/11 08:52	11/16/11 17:04	1
4-Bromophenyl phenyl ether	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 17:04	1
4-Chloro-3-methylphenol	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 17:04	1
4-Chloroaniline	9.5	U	9.5	0.76	ug/L		11/14/11 08:52	11/16/11 17:04	1
4-Chlorophenyl phenyl ether	4.8	U	4.8	0.29	ug/L		11/14/11 08:52	11/16/11 17:04	1
4-Nitroaniline	19	U	19	0.76	ug/L		11/14/11 08:52	11/16/11 17:04	1
4-Nitrophenol	19	U	19	2.3	ug/L		11/14/11 08:52	11/16/11 17:04	1
Acenaphthene	4.8	U	4.8	0.095	ug/L		11/14/11 08:52	11/16/11 17:04	1
Acenaphthylene	4.8	U	4.8	0.095	ug/L		11/14/11 08:52	11/16/11 17:04	1
Acetophenone	4.8	U	4.8	0.32	ug/L		11/14/11 08:52	11/16/11 17:04	1
Anthracene	4.8	U	4.8	0.095	ug/L		11/14/11 08:52	11/16/11 17:04	1
Atrazine	2.9	U	2.9	0.32	ug/L		11/14/11 08:52	11/16/11 17:04	1
Benzaldehyde	4.8	U	4.8	0.37	ug/L		11/14/11 08:52	11/16/11 17:04	1
Benzo[a]anthracene	0.95	U	0.95	0.095	ug/L		11/14/11 08:52	11/16/11 17:04	1
Benzo[a]pyrene	0.95	U	0.95	0.095	ug/L		11/14/11 08:52	11/16/11 17:04	1
Benzo[b]fluoranthene	0.95	U	0.95	0.095	ug/L		11/14/11 08:52	11/16/11 17:04	1
Benzo[g,h,i]perylene	0.95	U	0.95	0.095	ug/L		11/14/11 08:52	11/16/11 17:04	1
Benzo[k]fluoranthene	0.95	U	0.95	0.095	ug/L		11/14/11 08:52	11/16/11 17:04	1
Bis(2-chloroethoxy)methane	4.8	U	4.8	0.30	ug/L		11/14/11 08:52	11/16/11 17:04	1
Bis(2-chloroethyl)ether	0.95	U	0.95	0.095	ug/L		11/14/11 08:52	11/16/11 17:04	1
Bis(2-ethylhexyl) phthalate	1.2	J	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 17:04	1
Butyl benzyl phthalate	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 17:04	1
Caprolactam	9.5	U *	9.5	0.76	ug/L		11/14/11 08:52	11/16/11 17:04	1
Carbazole	9.5	U	9.5	0.27	ug/L		11/14/11 08:52	11/16/11 17:04	1
Chrysene	0.95	U	0.95	0.095	ug/L		11/14/11 08:52	11/16/11 17:04	1
Dibenz(a,h)anthracene	1.9	U	1.9	0.095	ug/L		11/14/11 08:52	11/16/11 17:04	1
Dibenzofuran	3.8	U	3.8	0.095	ug/L		11/14/11 08:52	11/16/11 17:04	1

Client Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Client Sample ID: LLI01-BS05-0000-WSXX

Lab Sample ID: 240-5811-5

Date Collected: 11/10/11 10:50

Matrix: Water

Date Received: 11/11/11 07:45

Method: 8270C - TCL Semivolatile Compounds (OLMO4.2) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	4.8	U	4.8	0.57	ug/L		11/14/11 08:52	11/16/11 17:04	1
Dimethyl phthalate	4.8	U	4.8	0.28	ug/L		11/14/11 08:52	11/16/11 17:04	1
Di-n-butyl phthalate	4.8	U	4.8	0.64	ug/L		11/14/11 08:52	11/16/11 17:04	1
Di-n-octyl phthalate	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 17:04	1
Fluoranthene	0.95	U	0.95	0.095	ug/L		11/14/11 08:52	11/16/11 17:04	1
Fluorene	4.8	U	4.8	0.095	ug/L		11/14/11 08:52	11/16/11 17:04	1
Hexachlorobenzene	0.19	U	0.19	0.095	ug/L		11/14/11 08:52	11/16/11 17:04	1
Hexachlorobutadiene	0.95	U	0.95	0.26	ug/L		11/14/11 08:52	11/16/11 17:04	1
Hexachlorocyclopentadiene	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 17:04	1
Hexachloroethane	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 17:04	1
Indeno[1,2,3-cd]pyrene	1.9	U	1.9	0.095	ug/L		11/14/11 08:52	11/16/11 17:04	1
Isophorone	4.8	U	4.8	0.26	ug/L		11/14/11 08:52	11/16/11 17:04	1
Naphthalene	4.8	U	4.8	0.095	ug/L		11/14/11 08:52	11/16/11 17:04	1
Nitrobenzene	2.9	U	2.9	0.038	ug/L		11/14/11 08:52	11/16/11 17:04	1
N-Nitrosodi-n-propylamine	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 17:04	1
N-Nitrosodiphenylamine	4.8	U	4.8	0.30	ug/L		11/14/11 08:52	11/16/11 17:04	1
Pentachlorophenol	4.8	U	4.8	2.3	ug/L		11/14/11 08:52	11/16/11 17:04	1
Phenol	4.8	U	4.8	0.57	ug/L		11/14/11 08:52	11/16/11 17:04	1
Phenanthrene	1.9	U	1.9	0.095	ug/L		11/14/11 08:52	11/16/11 17:04	1
Pyrene	4.8	U	4.8	0.095	ug/L		11/14/11 08:52	11/16/11 17:04	1
3 & 4 Methylphenol	4.8	U	4.8	0.71	ug/L		11/14/11 08:52	11/16/11 17:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	59		28 - 110	11/14/11 08:52	11/16/11 17:04	1
2-Fluorophenol (Surr)	65		10 - 110	11/14/11 08:52	11/16/11 17:04	1
2,4,6-Tribromophenol (Surr)	57		22 - 120	11/14/11 08:52	11/16/11 17:04	1
Nitrobenzene-d5 (Surr)	59		27 - 111	11/14/11 08:52	11/16/11 17:04	1
Phenol-d5 (Surr)	60		10 - 110	11/14/11 08:52	11/16/11 17:04	1
Terphenyl-d14 (Surr)	72		37 - 119	11/14/11 08:52	11/16/11 17:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.095	U	0.095	0.042	ug/L		11/14/11 08:45	11/16/11 09:23	1
PCB-1221	0.095	U	0.095	0.043	ug/L		11/14/11 08:45	11/16/11 09:23	1
PCB-1232	0.095	U	0.095	0.070	ug/L		11/14/11 08:45	11/16/11 09:23	1
PCB-1242	0.095	U	0.095	0.057	ug/L		11/14/11 08:45	11/16/11 09:23	1
PCB-1248	0.095	U	0.095	0.058	ug/L		11/14/11 08:45	11/16/11 09:23	1
PCB-1254	0.095	U	0.095	0.030	ug/L		11/14/11 08:45	11/16/11 09:23	1
PCB-1260	0.095	U	0.095	0.036	ug/L		11/14/11 08:45	11/16/11 09:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	90		23 - 136	11/14/11 08:45	11/16/11 09:23	1
DCB Decachlorobiphenyl	55		10 - 130	11/14/11 08:45	11/16/11 09:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.46	J	5.0	0.40	ug/L		11/16/11 05:30	11/21/11 20:31	1
Barium	74	B	5.0	0.19	ug/L		11/16/11 05:30	11/21/11 20:31	1
Cadmium	0.35	J	1.0	0.13	ug/L		11/16/11 05:30	11/21/11 20:31	1
Chromium	2.0	U	2.0	0.71	ug/L		11/16/11 05:30	11/21/11 20:31	1
Copper	9.8	B	2.0	0.29	ug/L		11/16/11 05:30	11/21/11 20:31	1

Client Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Client Sample ID: LLI01-BS05-0000-WSXX

Lab Sample ID: 240-5811-5

Date Collected: 11/10/11 10:50

Matrix: Water

Date Received: 11/11/11 07:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	23		1.0	0.18	ug/L		11/16/11 05:30	11/21/11 20:31	1
Selenium	5.0	U	5.0	0.57	ug/L		11/16/11 05:30	11/21/11 20:31	1
Zinc	130	B	20	2.3	ug/L		11/16/11 05:30	11/21/11 20:31	1
Silver	0.20	U	0.20	0.080	ug/L		11/16/11 05:30	11/21/11 20:31	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		11/15/11 15:35	11/16/11 09:54	1

Client Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Client Sample ID: LLI01-BS06-0000-WSXX

Lab Sample ID: 240-5811-6

Date Collected: 11/10/11 11:00

Matrix: Water

Date Received: 11/11/11 07:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			11/22/11 03:32	1
Benzene	1.0	U	1.0	0.13	ug/L			11/22/11 03:32	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			11/22/11 03:32	1
Bromoform	1.0	U	1.0	0.64	ug/L			11/22/11 03:32	1
Bromomethane	1.0	U	1.0	0.41	ug/L			11/22/11 03:32	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			11/22/11 03:32	1
Carbon disulfide	5.0	U	5.0	0.13	ug/L			11/22/11 03:32	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			11/22/11 03:32	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			11/22/11 03:32	1
Chloroethane	1.0	U	1.0	0.29	ug/L			11/22/11 03:32	1
Chloroform	1.0	U	1.0	0.16	ug/L			11/22/11 03:32	1
Chloromethane	1.0	U	1.0	0.30	ug/L			11/22/11 03:32	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			11/22/11 03:32	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			11/22/11 03:32	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			11/22/11 03:32	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			11/22/11 03:32	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			11/22/11 03:32	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			11/22/11 03:32	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			11/22/11 03:32	1
2-Hexanone	10	U	10	0.41	ug/L			11/22/11 03:32	1
Methylene Chloride	5.0	U	5.0	0.33	ug/L			11/22/11 03:32	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			11/22/11 03:32	1
Styrene	1.0	U	1.0	0.11	ug/L			11/22/11 03:32	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			11/22/11 03:32	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			11/22/11 03:32	1
Toluene	1.0	U	1.0	0.13	ug/L			11/22/11 03:32	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			11/22/11 03:32	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			11/22/11 03:32	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			11/22/11 03:32	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			11/22/11 03:32	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			11/22/11 03:32	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			11/22/11 03:32	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			11/22/11 03:32	1
1,2-Dibromoethane	1.0	U	1.0	0.24	ug/L			11/22/11 03:32	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			11/22/11 03:32	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			11/22/11 03:32	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			11/22/11 03:32	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			11/22/11 03:32	1
Methyl acetate	10	U	10	0.38	ug/L			11/22/11 03:32	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			11/22/11 03:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			11/22/11 03:32	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			11/22/11 03:32	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			11/22/11 03:32	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			11/22/11 03:32	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			11/22/11 03:32	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			11/22/11 03:32	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			11/22/11 03:32	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			11/22/11 03:32	1

Client Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Client Sample ID: LLI01-BS06-0000-WSXX

Lab Sample ID: 240-5811-6

Date Collected: 11/10/11 11:00

Matrix: Water

Date Received: 11/11/11 07:45

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		63 - 129		11/22/11 03:32	1
4-Bromofluorobenzene (Surr)	87		66 - 117		11/22/11 03:32	1
Toluene-d8 (Surr)	100		74 - 115		11/22/11 03:32	1
Dibromofluoromethane (Surr)	110		75 - 121		11/22/11 03:32	1

Method: 8270C - TCL Semivolatile Compounds (OLMO4.2)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 17:21	1
2,2'-oxybis[1-chloropropane]	4.8	U	4.8	0.38	ug/L		11/14/11 08:52	11/16/11 17:21	1
2,4,5-Trichlorophenol	4.8	U	4.8	0.29	ug/L		11/14/11 08:52	11/16/11 17:21	1
2,4,6-Trichlorophenol	3.8	U	3.8	0.76	ug/L		11/14/11 08:52	11/16/11 17:21	1
2,4-Dichlorophenol	9.5	U	9.5	0.76	ug/L		11/14/11 08:52	11/16/11 17:21	1
2,4-Dimethylphenol	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 17:21	1
2,4-Dinitrophenol	19	U	19	2.3	ug/L		11/14/11 08:52	11/16/11 17:21	1
2,4-Dinitrotoluene	4.8	U	4.8	0.26	ug/L		11/14/11 08:52	11/16/11 17:21	1
2,6-Dinitrotoluene	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 17:21	1
2-Chloronaphthalene	4.8	U	4.8	0.095	ug/L		11/14/11 08:52	11/16/11 17:21	1
2-Chlorophenol	4.8	U	4.8	0.28	ug/L		11/14/11 08:52	11/16/11 17:21	1
2-Methylnaphthalene	4.8	U	4.8	0.095	ug/L		11/14/11 08:52	11/16/11 17:21	1
2-Methylphenol	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 17:21	1
2-Nitroaniline	19	U	19	0.76	ug/L		11/14/11 08:52	11/16/11 17:21	1
2-Nitrophenol	4.8	U	4.8	0.27	ug/L		11/14/11 08:52	11/16/11 17:21	1
3,3'-Dichlorobenzidine	0.95	U	0.95	0.35	ug/L		11/14/11 08:52	11/16/11 17:21	1
3-Nitroaniline	19	U	19	0.27	ug/L		11/14/11 08:52	11/16/11 17:21	1
4,6-Dinitro-2-methylphenol	19	U	19	2.3	ug/L		11/14/11 08:52	11/16/11 17:21	1
4-Bromophenyl phenyl ether	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 17:21	1
4-Chloro-3-methylphenol	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 17:21	1
4-Chloroaniline	9.5	U	9.5	0.76	ug/L		11/14/11 08:52	11/16/11 17:21	1
4-Chlorophenyl phenyl ether	4.8	U	4.8	0.29	ug/L		11/14/11 08:52	11/16/11 17:21	1
4-Nitroaniline	19	U	19	0.76	ug/L		11/14/11 08:52	11/16/11 17:21	1
4-Nitrophenol	19	U	19	2.3	ug/L		11/14/11 08:52	11/16/11 17:21	1
Acenaphthene	4.8	U	4.8	0.095	ug/L		11/14/11 08:52	11/16/11 17:21	1
Acenaphthylene	4.8	U	4.8	0.095	ug/L		11/14/11 08:52	11/16/11 17:21	1
Acetophenone	4.8	U	4.8	0.32	ug/L		11/14/11 08:52	11/16/11 17:21	1
Anthracene	4.8	U	4.8	0.095	ug/L		11/14/11 08:52	11/16/11 17:21	1
Atrazine	2.9	U	2.9	0.32	ug/L		11/14/11 08:52	11/16/11 17:21	1
Benzaldehyde	4.8	U	4.8	0.37	ug/L		11/14/11 08:52	11/16/11 17:21	1
Benzo[a]anthracene	0.95	U	0.95	0.095	ug/L		11/14/11 08:52	11/16/11 17:21	1
Benzo[a]pyrene	0.95	U	0.95	0.095	ug/L		11/14/11 08:52	11/16/11 17:21	1
Benzo[b]fluoranthene	0.95	U	0.95	0.095	ug/L		11/14/11 08:52	11/16/11 17:21	1
Benzo[g,h,i]perylene	0.95	U	0.95	0.095	ug/L		11/14/11 08:52	11/16/11 17:21	1
Benzo[k]fluoranthene	0.95	U	0.95	0.095	ug/L		11/14/11 08:52	11/16/11 17:21	1
Bis(2-chloroethoxy)methane	4.8	U	4.8	0.30	ug/L		11/14/11 08:52	11/16/11 17:21	1
Bis(2-chloroethyl)ether	0.95	U	0.95	0.095	ug/L		11/14/11 08:52	11/16/11 17:21	1
Bis(2-ethylhexyl) phthalate	0.81	J	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 17:21	1
Butyl benzyl phthalate	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 17:21	1
Caprolactam	9.5	U *	9.5	0.76	ug/L		11/14/11 08:52	11/16/11 17:21	1
Carbazole	9.5	U	9.5	0.27	ug/L		11/14/11 08:52	11/16/11 17:21	1
Chrysene	0.95	U	0.95	0.095	ug/L		11/14/11 08:52	11/16/11 17:21	1
Dibenz(a,h)anthracene	1.9	U	1.9	0.095	ug/L		11/14/11 08:52	11/16/11 17:21	1
Dibenzofuran	3.8	U	3.8	0.095	ug/L		11/14/11 08:52	11/16/11 17:21	1

Client Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Client Sample ID: LLI01-BS06-0000-WSXX

Lab Sample ID: 240-5811-6

Date Collected: 11/10/11 11:00

Matrix: Water

Date Received: 11/11/11 07:45

Method: 8270C - TCL Semivolatile Compounds (OLMO4.2) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	4.8	U	4.8	0.57	ug/L		11/14/11 08:52	11/16/11 17:21	1
Dimethyl phthalate	4.8	U	4.8	0.28	ug/L		11/14/11 08:52	11/16/11 17:21	1
Di-n-butyl phthalate	4.8	U	4.8	0.64	ug/L		11/14/11 08:52	11/16/11 17:21	1
Di-n-octyl phthalate	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 17:21	1
Fluoranthene	0.95	U	0.95	0.095	ug/L		11/14/11 08:52	11/16/11 17:21	1
Fluorene	4.8	U	4.8	0.095	ug/L		11/14/11 08:52	11/16/11 17:21	1
Hexachlorobenzene	0.19	U	0.19	0.095	ug/L		11/14/11 08:52	11/16/11 17:21	1
Hexachlorobutadiene	0.95	U	0.95	0.26	ug/L		11/14/11 08:52	11/16/11 17:21	1
Hexachlorocyclopentadiene	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 17:21	1
Hexachloroethane	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 17:21	1
Indeno[1,2,3-cd]pyrene	1.9	U	1.9	0.095	ug/L		11/14/11 08:52	11/16/11 17:21	1
Isophorone	4.8	U	4.8	0.26	ug/L		11/14/11 08:52	11/16/11 17:21	1
Naphthalene	4.8	U	4.8	0.095	ug/L		11/14/11 08:52	11/16/11 17:21	1
Nitrobenzene	2.9	U	2.9	0.038	ug/L		11/14/11 08:52	11/16/11 17:21	1
N-Nitrosodi-n-propylamine	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 17:21	1
N-Nitrosodiphenylamine	4.8	U	4.8	0.30	ug/L		11/14/11 08:52	11/16/11 17:21	1
Pentachlorophenol	4.8	U	4.8	2.3	ug/L		11/14/11 08:52	11/16/11 17:21	1
Phenol	4.8	U	4.8	0.57	ug/L		11/14/11 08:52	11/16/11 17:21	1
Phenanthrene	1.9	U	1.9	0.095	ug/L		11/14/11 08:52	11/16/11 17:21	1
Pyrene	4.8	U	4.8	0.095	ug/L		11/14/11 08:52	11/16/11 17:21	1
3 & 4 Methylphenol	4.8	U	4.8	0.71	ug/L		11/14/11 08:52	11/16/11 17:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	60		28 - 110	11/14/11 08:52	11/16/11 17:21	1
2-Fluorophenol (Surr)	62		10 - 110	11/14/11 08:52	11/16/11 17:21	1
2,4,6-Tribromophenol (Surr)	58		22 - 120	11/14/11 08:52	11/16/11 17:21	1
Nitrobenzene-d5 (Surr)	61		27 - 111	11/14/11 08:52	11/16/11 17:21	1
Phenol-d5 (Surr)	58		10 - 110	11/14/11 08:52	11/16/11 17:21	1
Terphenyl-d14 (Surr)	69		37 - 119	11/14/11 08:52	11/16/11 17:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.095	U	0.095	0.042	ug/L		11/14/11 08:45	11/17/11 12:14	1
PCB-1221	0.095	U	0.095	0.043	ug/L		11/14/11 08:45	11/17/11 12:14	1
PCB-1232	0.095	U	0.095	0.070	ug/L		11/14/11 08:45	11/17/11 12:14	1
PCB-1242	0.095	U	0.095	0.057	ug/L		11/14/11 08:45	11/17/11 12:14	1
PCB-1248	0.095	U	0.095	0.058	ug/L		11/14/11 08:45	11/17/11 12:14	1
PCB-1254	0.095	U	0.095	0.030	ug/L		11/14/11 08:45	11/17/11 12:14	1
PCB-1260	0.047	J	0.095	0.036	ug/L		11/14/11 08:45	11/17/11 12:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	52		23 - 136	11/14/11 08:45	11/17/11 12:14	1
DCB Decachlorobiphenyl	16		10 - 130	11/14/11 08:45	11/17/11 12:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0	U	5.0	0.40	ug/L		11/16/11 05:30	11/21/11 20:37	1
Barium	70	B	5.0	0.19	ug/L		11/16/11 05:30	11/21/11 20:37	1
Cadmium	0.35	J	1.0	0.13	ug/L		11/16/11 05:30	11/21/11 20:37	1
Chromium	2.0	U	2.0	0.71	ug/L		11/16/11 05:30	11/21/11 20:37	1
Copper	12	B	2.0	0.29	ug/L		11/16/11 05:30	11/21/11 20:37	1

Client Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Client Sample ID: LLI01-BS06-0000-WSXX

Lab Sample ID: 240-5811-6

Date Collected: 11/10/11 11:00

Matrix: Water

Date Received: 11/11/11 07:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	91		1.0	0.18	ug/L		11/16/11 05:30	11/21/11 20:37	1
Selenium	5.0	U	5.0	0.57	ug/L		11/16/11 05:30	11/21/11 20:37	1
Zinc	140	B	20	2.3	ug/L		11/16/11 05:30	11/21/11 20:37	1
Silver	0.20	U	0.20	0.080	ug/L		11/16/11 05:30	11/21/11 20:37	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		11/15/11 15:35	11/16/11 09:58	1

Client Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Client Sample ID: LLI01-BS07-0000-WSXX

Lab Sample ID: 240-5811-7

Date Collected: 11/10/11 11:10

Matrix: Water

Date Received: 11/11/11 07:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			11/22/11 03:54	1
Benzene	1.0	U	1.0	0.13	ug/L			11/22/11 03:54	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			11/22/11 03:54	1
Bromoform	1.0	U	1.0	0.64	ug/L			11/22/11 03:54	1
Bromomethane	1.0	U	1.0	0.41	ug/L			11/22/11 03:54	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			11/22/11 03:54	1
Carbon disulfide	5.0	U	5.0	0.13	ug/L			11/22/11 03:54	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			11/22/11 03:54	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			11/22/11 03:54	1
Chloroethane	1.0	U	1.0	0.29	ug/L			11/22/11 03:54	1
Chloroform	1.0	U	1.0	0.16	ug/L			11/22/11 03:54	1
Chloromethane	1.0	U	1.0	0.30	ug/L			11/22/11 03:54	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			11/22/11 03:54	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			11/22/11 03:54	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			11/22/11 03:54	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			11/22/11 03:54	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			11/22/11 03:54	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			11/22/11 03:54	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			11/22/11 03:54	1
2-Hexanone	10	U	10	0.41	ug/L			11/22/11 03:54	1
Methylene Chloride	5.0	U	5.0	0.33	ug/L			11/22/11 03:54	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			11/22/11 03:54	1
Styrene	1.0	U	1.0	0.11	ug/L			11/22/11 03:54	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			11/22/11 03:54	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			11/22/11 03:54	1
Toluene	1.0	U	1.0	0.13	ug/L			11/22/11 03:54	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			11/22/11 03:54	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			11/22/11 03:54	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			11/22/11 03:54	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			11/22/11 03:54	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			11/22/11 03:54	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			11/22/11 03:54	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			11/22/11 03:54	1
1,2-Dibromoethane	1.0	U	1.0	0.24	ug/L			11/22/11 03:54	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			11/22/11 03:54	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			11/22/11 03:54	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			11/22/11 03:54	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			11/22/11 03:54	1
Methyl acetate	10	U	10	0.38	ug/L			11/22/11 03:54	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			11/22/11 03:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			11/22/11 03:54	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			11/22/11 03:54	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			11/22/11 03:54	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			11/22/11 03:54	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			11/22/11 03:54	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			11/22/11 03:54	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			11/22/11 03:54	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			11/22/11 03:54	1

Client Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Client Sample ID: LLI01-BS07-0000-WSXX

Lab Sample ID: 240-5811-7

Date Collected: 11/10/11 11:10

Matrix: Water

Date Received: 11/11/11 07:45

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		63 - 129		11/22/11 03:54	1
4-Bromofluorobenzene (Surr)	86		66 - 117		11/22/11 03:54	1
Toluene-d8 (Surr)	106		74 - 115		11/22/11 03:54	1
Dibromofluoromethane (Surr)	115		75 - 121		11/22/11 03:54	1

Method: 8270C - TCL Semivolatile Compounds (OLMO4.2)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	48	U	48	7.6	ug/L		11/14/11 08:52	11/16/11 20:24	10
2,2'-oxybis[1-chloropropane]	48	U	48	3.8	ug/L		11/14/11 08:52	11/16/11 20:24	10
2,4,5-Trichlorophenol	48	U	48	2.9	ug/L		11/14/11 08:52	11/16/11 20:24	10
2,4,6-Trichlorophenol	38	U	38	7.6	ug/L		11/14/11 08:52	11/16/11 20:24	10
2,4-Dichlorophenol	95	U	95	7.6	ug/L		11/14/11 08:52	11/16/11 20:24	10
2,4-Dimethylphenol	48	U	48	7.6	ug/L		11/14/11 08:52	11/16/11 20:24	10
2,4-Dinitrophenol	190	U	190	23	ug/L		11/14/11 08:52	11/16/11 20:24	10
2,4-Dinitrotoluene	48	U	48	2.6	ug/L		11/14/11 08:52	11/16/11 20:24	10
2,6-Dinitrotoluene	48	U	48	7.6	ug/L		11/14/11 08:52	11/16/11 20:24	10
2-Chloronaphthalene	48	U	48	0.95	ug/L		11/14/11 08:52	11/16/11 20:24	10
2-Chlorophenol	48	U	48	2.8	ug/L		11/14/11 08:52	11/16/11 20:24	10
2-Methylnaphthalene	48	U	48	0.95	ug/L		11/14/11 08:52	11/16/11 20:24	10
2-Methylphenol	48	U	48	7.6	ug/L		11/14/11 08:52	11/16/11 20:24	10
2-Nitroaniline	190	U	190	7.6	ug/L		11/14/11 08:52	11/16/11 20:24	10
2-Nitrophenol	48	U	48	2.7	ug/L		11/14/11 08:52	11/16/11 20:24	10
3,3'-Dichlorobenzidine	9.5	U	9.5	3.5	ug/L		11/14/11 08:52	11/16/11 20:24	10
3-Nitroaniline	190	U	190	2.7	ug/L		11/14/11 08:52	11/16/11 20:24	10
4,6-Dinitro-2-methylphenol	190	U	190	23	ug/L		11/14/11 08:52	11/16/11 20:24	10
4-Bromophenyl phenyl ether	48	U	48	7.6	ug/L		11/14/11 08:52	11/16/11 20:24	10
4-Chloro-3-methylphenol	48	U	48	7.6	ug/L		11/14/11 08:52	11/16/11 20:24	10
4-Chloroaniline	95	U	95	7.6	ug/L		11/14/11 08:52	11/16/11 20:24	10
4-Chlorophenyl phenyl ether	48	U	48	2.9	ug/L		11/14/11 08:52	11/16/11 20:24	10
4-Nitroaniline	190	U	190	7.6	ug/L		11/14/11 08:52	11/16/11 20:24	10
4-Nitrophenol	190	U	190	23	ug/L		11/14/11 08:52	11/16/11 20:24	10
Acenaphthene	48	U	48	0.95	ug/L		11/14/11 08:52	11/16/11 20:24	10
Acenaphthylene	48	U	48	0.95	ug/L		11/14/11 08:52	11/16/11 20:24	10
Acetophenone	48	U	48	3.2	ug/L		11/14/11 08:52	11/16/11 20:24	10
Anthracene	48	U	48	0.95	ug/L		11/14/11 08:52	11/16/11 20:24	10
Atrazine	29	U	29	3.2	ug/L		11/14/11 08:52	11/16/11 20:24	10
Benzaldehyde	48	U	48	3.7	ug/L		11/14/11 08:52	11/16/11 20:24	10
Benzo[a]anthracene	9.5	U	9.5	0.95	ug/L		11/14/11 08:52	11/16/11 20:24	10
Benzo[a]pyrene	9.5	U	9.5	0.95	ug/L		11/14/11 08:52	11/16/11 20:24	10
Benzo[b]fluoranthene	9.5	U	9.5	0.95	ug/L		11/14/11 08:52	11/16/11 20:24	10
Benzo[g,h,i]perylene	9.5	U	9.5	0.95	ug/L		11/14/11 08:52	11/16/11 20:24	10
Benzo[k]fluoranthene	9.5	U	9.5	0.95	ug/L		11/14/11 08:52	11/16/11 20:24	10
Bis(2-chloroethoxy)methane	48	U	48	3.0	ug/L		11/14/11 08:52	11/16/11 20:24	10
Bis(2-chloroethyl)ether	9.5	U	9.5	0.95	ug/L		11/14/11 08:52	11/16/11 20:24	10
Bis(2-ethylhexyl) phthalate	48	U	48	7.6	ug/L		11/14/11 08:52	11/16/11 20:24	10
Butyl benzyl phthalate	48	U	48	7.6	ug/L		11/14/11 08:52	11/16/11 20:24	10
Caprolactam	95	U *	95	7.6	ug/L		11/14/11 08:52	11/16/11 20:24	10
Carbazole	95	U	95	2.7	ug/L		11/14/11 08:52	11/16/11 20:24	10
Chrysene	9.5	U	9.5	0.95	ug/L		11/14/11 08:52	11/16/11 20:24	10
Dibenz(a,h)anthracene	19	U	19	0.95	ug/L		11/14/11 08:52	11/16/11 20:24	10
Dibenzofuran	38	U	38	0.95	ug/L		11/14/11 08:52	11/16/11 20:24	10

Client Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Client Sample ID: LLI01-BS07-0000-WSXX

Lab Sample ID: 240-5811-7

Date Collected: 11/10/11 11:10

Matrix: Water

Date Received: 11/11/11 07:45

Method: 8270C - TCL Semivolatile Compounds (OLMO4.2) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	48	U	48	5.7	ug/L		11/14/11 08:52	11/16/11 20:24	10
Dimethyl phthalate	48	U	48	2.8	ug/L		11/14/11 08:52	11/16/11 20:24	10
Di-n-butyl phthalate	48	U	48	6.4	ug/L		11/14/11 08:52	11/16/11 20:24	10
Di-n-octyl phthalate	48	U	48	7.6	ug/L		11/14/11 08:52	11/16/11 20:24	10
Fluoranthene	1.4	J	9.5	0.95	ug/L		11/14/11 08:52	11/16/11 20:24	10
Fluorene	48	U	48	0.95	ug/L		11/14/11 08:52	11/16/11 20:24	10
Hexachlorobenzene	1.9	U	1.9	0.95	ug/L		11/14/11 08:52	11/16/11 20:24	10
Hexachlorobutadiene	9.5	U	9.5	2.6	ug/L		11/14/11 08:52	11/16/11 20:24	10
Hexachlorocyclopentadiene	48	U	48	7.6	ug/L		11/14/11 08:52	11/16/11 20:24	10
Hexachloroethane	48	U	48	7.6	ug/L		11/14/11 08:52	11/16/11 20:24	10
Indeno[1,2,3-cd]pyrene	19	U	19	0.95	ug/L		11/14/11 08:52	11/16/11 20:24	10
Isophorone	48	U	48	2.6	ug/L		11/14/11 08:52	11/16/11 20:24	10
Naphthalene	48	U	48	0.95	ug/L		11/14/11 08:52	11/16/11 20:24	10
Nitrobenzene	29	U	29	0.38	ug/L		11/14/11 08:52	11/16/11 20:24	10
N-Nitrosodi-n-propylamine	48	U	48	7.6	ug/L		11/14/11 08:52	11/16/11 20:24	10
N-Nitrosodiphenylamine	48	U	48	3.0	ug/L		11/14/11 08:52	11/16/11 20:24	10
Pentachlorophenol	48	U	48	23	ug/L		11/14/11 08:52	11/16/11 20:24	10
Phenol	48	U	48	5.7	ug/L		11/14/11 08:52	11/16/11 20:24	10
Phenanthrene	19	U	19	0.95	ug/L		11/14/11 08:52	11/16/11 20:24	10
Pyrene	48	U	48	0.95	ug/L		11/14/11 08:52	11/16/11 20:24	10
3 & 4 Methylphenol	48	U	48	7.1	ug/L		11/14/11 08:52	11/16/11 20:24	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	55		28 - 110	11/14/11 08:52	11/16/11 20:24	10
2-Fluorophenol (Surr)	49		10 - 110	11/14/11 08:52	11/16/11 20:24	10
2,4,6-Tribromophenol (Surr)	56		22 - 120	11/14/11 08:52	11/16/11 20:24	10
Nitrobenzene-d5 (Surr)	58		27 - 111	11/14/11 08:52	11/16/11 20:24	10
Phenol-d5 (Surr)	27		10 - 110	11/14/11 08:52	11/16/11 20:24	10
Terphenyl-d14 (Surr)	46		37 - 119	11/14/11 08:52	11/16/11 20:24	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.095	U	0.095	0.042	ug/L		11/14/11 08:45	11/17/11 12:29	1
PCB-1221	0.095	U	0.095	0.043	ug/L		11/14/11 08:45	11/17/11 12:29	1
PCB-1232	0.095	U	0.095	0.070	ug/L		11/14/11 08:45	11/17/11 12:29	1
PCB-1242	0.095	U	0.095	0.057	ug/L		11/14/11 08:45	11/17/11 12:29	1
PCB-1248	0.095	U	0.095	0.058	ug/L		11/14/11 08:45	11/17/11 12:29	1
PCB-1254	0.15		0.095	0.030	ug/L		11/14/11 08:45	11/17/11 12:29	1
PCB-1260	0.095	U	0.095	0.036	ug/L		11/14/11 08:45	11/17/11 12:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	65		23 - 136	11/14/11 08:45	11/17/11 12:29	1
DCB Decachlorobiphenyl	26		10 - 130	11/14/11 08:45	11/17/11 12:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.86	J	5.0	0.40	ug/L		11/16/11 05:30	11/21/11 20:54	1
Barium	75	B	5.0	0.19	ug/L		11/16/11 05:30	11/21/11 20:54	1
Cadmium	0.44	J	1.0	0.13	ug/L		11/16/11 05:30	11/21/11 20:54	1
Chromium	2.0	U	2.0	0.71	ug/L		11/16/11 05:30	11/21/11 20:54	1
Copper	13	B	2.0	0.29	ug/L		11/16/11 05:30	11/21/11 20:54	1

Client Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Client Sample ID: LLI01-BS07-0000-WSXX

Lab Sample ID: 240-5811-7

Date Collected: 11/10/11 11:10

Matrix: Water

Date Received: 11/11/11 07:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	64		1.0	0.18	ug/L		11/16/11 05:30	11/21/11 20:54	1
Selenium	5.0	U	5.0	0.57	ug/L		11/16/11 05:30	11/21/11 20:54	1
Zinc	170	B	20	2.3	ug/L		11/16/11 05:30	11/21/11 20:54	1
Silver	0.20	U	0.20	0.080	ug/L		11/16/11 05:30	11/21/11 20:54	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		11/15/11 15:35	11/16/11 09:59	1

Client Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Client Sample ID: LLI01-BS08-0000-WSXX

Lab Sample ID: 240-5811-8

Date Collected: 11/10/11 11:15

Matrix: Water

Date Received: 11/11/11 07:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			11/22/11 04:15	1
Benzene	1.0	U	1.0	0.13	ug/L			11/22/11 04:15	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			11/22/11 04:15	1
Bromoform	1.0	U	1.0	0.64	ug/L			11/22/11 04:15	1
Bromomethane	1.0	U	1.0	0.41	ug/L			11/22/11 04:15	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			11/22/11 04:15	1
Carbon disulfide	5.0	U	5.0	0.13	ug/L			11/22/11 04:15	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			11/22/11 04:15	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			11/22/11 04:15	1
Chloroethane	1.0	U	1.0	0.29	ug/L			11/22/11 04:15	1
Chloroform	1.0	U	1.0	0.16	ug/L			11/22/11 04:15	1
Chloromethane	1.0	U	1.0	0.30	ug/L			11/22/11 04:15	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			11/22/11 04:15	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			11/22/11 04:15	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			11/22/11 04:15	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			11/22/11 04:15	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			11/22/11 04:15	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			11/22/11 04:15	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			11/22/11 04:15	1
2-Hexanone	10	U	10	0.41	ug/L			11/22/11 04:15	1
Methylene Chloride	5.0	U	5.0	0.33	ug/L			11/22/11 04:15	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			11/22/11 04:15	1
Styrene	1.0	U	1.0	0.11	ug/L			11/22/11 04:15	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			11/22/11 04:15	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			11/22/11 04:15	1
Toluene	1.0	U	1.0	0.13	ug/L			11/22/11 04:15	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			11/22/11 04:15	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			11/22/11 04:15	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			11/22/11 04:15	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			11/22/11 04:15	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			11/22/11 04:15	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			11/22/11 04:15	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			11/22/11 04:15	1
1,2-Dibromoethane	1.0	U	1.0	0.24	ug/L			11/22/11 04:15	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			11/22/11 04:15	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			11/22/11 04:15	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			11/22/11 04:15	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			11/22/11 04:15	1
Methyl acetate	10	U	10	0.38	ug/L			11/22/11 04:15	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			11/22/11 04:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			11/22/11 04:15	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			11/22/11 04:15	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			11/22/11 04:15	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			11/22/11 04:15	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			11/22/11 04:15	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			11/22/11 04:15	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			11/22/11 04:15	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			11/22/11 04:15	1

Client Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Client Sample ID: LLI01-BS08-0000-WSXX

Lab Sample ID: 240-5811-8

Date Collected: 11/10/11 11:15

Matrix: Water

Date Received: 11/11/11 07:45

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		63 - 129					11/22/11 04:15	1
4-Bromofluorobenzene (Surr)	83		66 - 117					11/22/11 04:15	1
Toluene-d8 (Surr)	104		74 - 115					11/22/11 04:15	1
Dibromofluoromethane (Surr)	110		75 - 121					11/22/11 04:15	1

Method: 8270C - TCL Semivolatile Compounds (OLMO4.2)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 17:37	1
2,2'-oxybis[1-chloropropane]	4.8	U	4.8	0.38	ug/L		11/14/11 08:52	11/16/11 17:37	1
2,4,5-Trichlorophenol	4.8	U	4.8	0.29	ug/L		11/14/11 08:52	11/16/11 17:37	1
2,4,6-Trichlorophenol	3.8	U	3.8	0.76	ug/L		11/14/11 08:52	11/16/11 17:37	1
2,4-Dichlorophenol	9.5	U	9.5	0.76	ug/L		11/14/11 08:52	11/16/11 17:37	1
2,4-Dimethylphenol	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 17:37	1
2,4-Dinitrophenol	19	U	19	2.3	ug/L		11/14/11 08:52	11/16/11 17:37	1
2,4-Dinitrotoluene	4.8	U	4.8	0.26	ug/L		11/14/11 08:52	11/16/11 17:37	1
2,6-Dinitrotoluene	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 17:37	1
2-Chloronaphthalene	4.8	U	4.8	0.095	ug/L		11/14/11 08:52	11/16/11 17:37	1
2-Chlorophenol	4.8	U	4.8	0.28	ug/L		11/14/11 08:52	11/16/11 17:37	1
2-Methylnaphthalene	4.8	U	4.8	0.095	ug/L		11/14/11 08:52	11/16/11 17:37	1
2-Methylphenol	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 17:37	1
2-Nitroaniline	19	U	19	0.76	ug/L		11/14/11 08:52	11/16/11 17:37	1
2-Nitrophenol	4.8	U	4.8	0.27	ug/L		11/14/11 08:52	11/16/11 17:37	1
3,3'-Dichlorobenzidine	0.95	U	0.95	0.35	ug/L		11/14/11 08:52	11/16/11 17:37	1
3-Nitroaniline	19	U	19	0.27	ug/L		11/14/11 08:52	11/16/11 17:37	1
4,6-Dinitro-2-methylphenol	19	U	19	2.3	ug/L		11/14/11 08:52	11/16/11 17:37	1
4-Bromophenyl phenyl ether	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 17:37	1
4-Chloro-3-methylphenol	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 17:37	1
4-Chloroaniline	9.5	U	9.5	0.76	ug/L		11/14/11 08:52	11/16/11 17:37	1
4-Chlorophenyl phenyl ether	4.8	U	4.8	0.29	ug/L		11/14/11 08:52	11/16/11 17:37	1
4-Nitroaniline	19	U	19	0.76	ug/L		11/14/11 08:52	11/16/11 17:37	1
4-Nitrophenol	19	U	19	2.3	ug/L		11/14/11 08:52	11/16/11 17:37	1
Acenaphthene	4.8	U	4.8	0.095	ug/L		11/14/11 08:52	11/16/11 17:37	1
Acenaphthylene	4.8	U	4.8	0.095	ug/L		11/14/11 08:52	11/16/11 17:37	1
Acetophenone	4.8	U	4.8	0.32	ug/L		11/14/11 08:52	11/16/11 17:37	1
Anthracene	4.8	U	4.8	0.095	ug/L		11/14/11 08:52	11/16/11 17:37	1
Atrazine	2.9	U	2.9	0.32	ug/L		11/14/11 08:52	11/16/11 17:37	1
Benzaldehyde	4.8	U	4.8	0.37	ug/L		11/14/11 08:52	11/16/11 17:37	1
Benzo[a]anthracene	0.95	U	0.95	0.095	ug/L		11/14/11 08:52	11/16/11 17:37	1
Benzo[a]pyrene	0.95	U	0.95	0.095	ug/L		11/14/11 08:52	11/16/11 17:37	1
Benzo[b]fluoranthene	0.95	U	0.95	0.095	ug/L		11/14/11 08:52	11/16/11 17:37	1
Benzo[g,h,i]perylene	0.95	U	0.95	0.095	ug/L		11/14/11 08:52	11/16/11 17:37	1
Benzo[k]fluoranthene	0.95	U	0.95	0.095	ug/L		11/14/11 08:52	11/16/11 17:37	1
Bis(2-chloroethoxy)methane	4.8	U	4.8	0.30	ug/L		11/14/11 08:52	11/16/11 17:37	1
Bis(2-chloroethyl)ether	0.95	U	0.95	0.095	ug/L		11/14/11 08:52	11/16/11 17:37	1
Bis(2-ethylhexyl) phthalate	0.89	J	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 17:37	1
Butyl benzyl phthalate	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 17:37	1
Caprolactam	9.5	U *	9.5	0.76	ug/L		11/14/11 08:52	11/16/11 17:37	1
Carbazole	9.5	U	9.5	0.27	ug/L		11/14/11 08:52	11/16/11 17:37	1
Chrysene	0.95	U	0.95	0.095	ug/L		11/14/11 08:52	11/16/11 17:37	1
Dibenz(a,h)anthracene	1.9	U	1.9	0.095	ug/L		11/14/11 08:52	11/16/11 17:37	1
Dibenzofuran	3.8	U	3.8	0.095	ug/L		11/14/11 08:52	11/16/11 17:37	1

Client Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Client Sample ID: LLI01-BS08-0000-WSXX

Lab Sample ID: 240-5811-8

Date Collected: 11/10/11 11:15

Matrix: Water

Date Received: 11/11/11 07:45

Method: 8270C - TCL Semivolatile Compounds (OLMO4.2) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	4.8	U	4.8	0.57	ug/L		11/14/11 08:52	11/16/11 17:37	1
Dimethyl phthalate	4.8	U	4.8	0.28	ug/L		11/14/11 08:52	11/16/11 17:37	1
Di-n-butyl phthalate	4.8	U	4.8	0.64	ug/L		11/14/11 08:52	11/16/11 17:37	1
Di-n-octyl phthalate	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 17:37	1
Fluoranthene	0.95	U	0.95	0.095	ug/L		11/14/11 08:52	11/16/11 17:37	1
Fluorene	4.8	U	4.8	0.095	ug/L		11/14/11 08:52	11/16/11 17:37	1
Hexachlorobenzene	0.19	U	0.19	0.095	ug/L		11/14/11 08:52	11/16/11 17:37	1
Hexachlorobutadiene	0.95	U	0.95	0.26	ug/L		11/14/11 08:52	11/16/11 17:37	1
Hexachlorocyclopentadiene	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 17:37	1
Hexachloroethane	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 17:37	1
Indeno[1,2,3-cd]pyrene	1.9	U	1.9	0.095	ug/L		11/14/11 08:52	11/16/11 17:37	1
Isophorone	4.8	U	4.8	0.26	ug/L		11/14/11 08:52	11/16/11 17:37	1
Naphthalene	4.8	U	4.8	0.095	ug/L		11/14/11 08:52	11/16/11 17:37	1
Nitrobenzene	2.9	U	2.9	0.038	ug/L		11/14/11 08:52	11/16/11 17:37	1
N-Nitrosodi-n-propylamine	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 17:37	1
N-Nitrosodiphenylamine	4.8	U	4.8	0.30	ug/L		11/14/11 08:52	11/16/11 17:37	1
Pentachlorophenol	4.8	U	4.8	2.3	ug/L		11/14/11 08:52	11/16/11 17:37	1
Phenol	4.8	U	4.8	0.57	ug/L		11/14/11 08:52	11/16/11 17:37	1
Phenanthrene	1.9	U	1.9	0.095	ug/L		11/14/11 08:52	11/16/11 17:37	1
Pyrene	4.8	U	4.8	0.095	ug/L		11/14/11 08:52	11/16/11 17:37	1
3 & 4 Methylphenol	4.8	U	4.8	0.71	ug/L		11/14/11 08:52	11/16/11 17:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	55		28 - 110	11/14/11 08:52	11/16/11 17:37	1
2-Fluorophenol (Surr)	60		10 - 110	11/14/11 08:52	11/16/11 17:37	1
2,4,6-Tribromophenol (Surr)	57		22 - 120	11/14/11 08:52	11/16/11 17:37	1
Nitrobenzene-d5 (Surr)	57		27 - 111	11/14/11 08:52	11/16/11 17:37	1
Phenol-d5 (Surr)	54		10 - 110	11/14/11 08:52	11/16/11 17:37	1
Terphenyl-d14 (Surr)	54		37 - 119	11/14/11 08:52	11/16/11 17:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.095	U	0.095	0.042	ug/L		11/14/11 08:45	11/16/11 10:09	1
PCB-1221	0.095	U	0.095	0.043	ug/L		11/14/11 08:45	11/16/11 10:09	1
PCB-1232	0.095	U	0.095	0.070	ug/L		11/14/11 08:45	11/16/11 10:09	1
PCB-1242	0.095	U	0.095	0.057	ug/L		11/14/11 08:45	11/16/11 10:09	1
PCB-1248	0.095	U	0.095	0.058	ug/L		11/14/11 08:45	11/16/11 10:09	1
PCB-1254	0.095	U	0.095	0.030	ug/L		11/14/11 08:45	11/16/11 10:09	1
PCB-1260	0.095	U	0.095	0.036	ug/L		11/14/11 08:45	11/16/11 10:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	80		23 - 136	11/14/11 08:45	11/16/11 10:09	1
DCB Decachlorobiphenyl	52		10 - 130	11/14/11 08:45	11/16/11 10:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.60	J	5.0	0.40	ug/L		11/16/11 05:30	11/21/11 20:59	1
Barium	67	B	5.0	0.19	ug/L		11/16/11 05:30	11/21/11 20:59	1
Cadmium	0.38	J	1.0	0.13	ug/L		11/16/11 05:30	11/21/11 20:59	1
Chromium	2.0	U	2.0	0.71	ug/L		11/16/11 05:30	11/21/11 20:59	1
Copper	8.9	B	2.0	0.29	ug/L		11/16/11 05:30	11/21/11 20:59	1

Client Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Client Sample ID: LLI01-BS08-0000-WSXX

Lab Sample ID: 240-5811-8

Date Collected: 11/10/11 11:15

Matrix: Water

Date Received: 11/11/11 07:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	14		1.0	0.18	ug/L		11/16/11 05:30	11/21/11 20:59	1
Selenium	5.0	U	5.0	0.57	ug/L		11/16/11 05:30	11/21/11 20:59	1
Zinc	130	B	20	2.3	ug/L		11/16/11 05:30	11/21/11 20:59	1
Silver	0.20	U	0.20	0.080	ug/L		11/16/11 05:30	11/21/11 20:59	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		11/15/11 15:35	11/16/11 10:00	1

Client Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Client Sample ID: LLI01-BS09-0000-WSXX

Lab Sample ID: 240-5811-9

Date Collected: 11/10/11 11:50

Matrix: Water

Date Received: 11/11/11 07:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			11/22/11 04:37	1
Benzene	1.0	U	1.0	0.13	ug/L			11/22/11 04:37	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			11/22/11 04:37	1
Bromoform	1.0	U	1.0	0.64	ug/L			11/22/11 04:37	1
Bromomethane	1.0	U	1.0	0.41	ug/L			11/22/11 04:37	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			11/22/11 04:37	1
Carbon disulfide	5.0	U	5.0	0.13	ug/L			11/22/11 04:37	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			11/22/11 04:37	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			11/22/11 04:37	1
Chloroethane	1.0	U	1.0	0.29	ug/L			11/22/11 04:37	1
Chloroform	1.0	U	1.0	0.16	ug/L			11/22/11 04:37	1
Chloromethane	1.0	U	1.0	0.30	ug/L			11/22/11 04:37	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			11/22/11 04:37	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			11/22/11 04:37	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			11/22/11 04:37	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			11/22/11 04:37	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			11/22/11 04:37	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			11/22/11 04:37	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			11/22/11 04:37	1
2-Hexanone	10	U	10	0.41	ug/L			11/22/11 04:37	1
Methylene Chloride	5.0	U	5.0	0.33	ug/L			11/22/11 04:37	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			11/22/11 04:37	1
Styrene	1.0	U	1.0	0.11	ug/L			11/22/11 04:37	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			11/22/11 04:37	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			11/22/11 04:37	1
Toluene	1.0	U	1.0	0.13	ug/L			11/22/11 04:37	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			11/22/11 04:37	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			11/22/11 04:37	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			11/22/11 04:37	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			11/22/11 04:37	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			11/22/11 04:37	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			11/22/11 04:37	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			11/22/11 04:37	1
1,2-Dibromoethane	1.0	U	1.0	0.24	ug/L			11/22/11 04:37	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			11/22/11 04:37	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			11/22/11 04:37	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			11/22/11 04:37	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			11/22/11 04:37	1
Methyl acetate	10	U	10	0.38	ug/L			11/22/11 04:37	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			11/22/11 04:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			11/22/11 04:37	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			11/22/11 04:37	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			11/22/11 04:37	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			11/22/11 04:37	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			11/22/11 04:37	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			11/22/11 04:37	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			11/22/11 04:37	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			11/22/11 04:37	1

Client Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Client Sample ID: LLI01-BS09-0000-WSXX

Lab Sample ID: 240-5811-9

Date Collected: 11/10/11 11:50

Matrix: Water

Date Received: 11/11/11 07:45

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		63 - 129		11/22/11 04:37	1
4-Bromofluorobenzene (Surr)	86		66 - 117		11/22/11 04:37	1
Toluene-d8 (Surr)	103		74 - 115		11/22/11 04:37	1
Dibromofluoromethane (Surr)	113		75 - 121		11/22/11 04:37	1

Method: 8270C - TCL Semivolatile Compounds (OLMO4.2)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 17:54	1
2,2'-oxybis[1-chloropropane]	4.8	U	4.8	0.38	ug/L		11/14/11 08:52	11/16/11 17:54	1
2,4,5-Trichlorophenol	4.8	U	4.8	0.29	ug/L		11/14/11 08:52	11/16/11 17:54	1
2,4,6-Trichlorophenol	3.8	U	3.8	0.76	ug/L		11/14/11 08:52	11/16/11 17:54	1
2,4-Dichlorophenol	9.5	U	9.5	0.76	ug/L		11/14/11 08:52	11/16/11 17:54	1
2,4-Dimethylphenol	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 17:54	1
2,4-Dinitrophenol	19	U	19	2.3	ug/L		11/14/11 08:52	11/16/11 17:54	1
2,4-Dinitrotoluene	4.8	U	4.8	0.26	ug/L		11/14/11 08:52	11/16/11 17:54	1
2,6-Dinitrotoluene	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 17:54	1
2-Chloronaphthalene	4.8	U	4.8	0.095	ug/L		11/14/11 08:52	11/16/11 17:54	1
2-Chlorophenol	4.8	U	4.8	0.28	ug/L		11/14/11 08:52	11/16/11 17:54	1
2-Methylnaphthalene	4.8	U	4.8	0.095	ug/L		11/14/11 08:52	11/16/11 17:54	1
2-Methylphenol	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 17:54	1
2-Nitroaniline	19	U	19	0.76	ug/L		11/14/11 08:52	11/16/11 17:54	1
2-Nitrophenol	4.8	U	4.8	0.27	ug/L		11/14/11 08:52	11/16/11 17:54	1
3,3'-Dichlorobenzidine	0.95	U	0.95	0.35	ug/L		11/14/11 08:52	11/16/11 17:54	1
3-Nitroaniline	19	U	19	0.27	ug/L		11/14/11 08:52	11/16/11 17:54	1
4,6-Dinitro-2-methylphenol	19	U	19	2.3	ug/L		11/14/11 08:52	11/16/11 17:54	1
4-Bromophenyl phenyl ether	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 17:54	1
4-Chloro-3-methylphenol	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 17:54	1
4-Chloroaniline	9.5	U	9.5	0.76	ug/L		11/14/11 08:52	11/16/11 17:54	1
4-Chlorophenyl phenyl ether	4.8	U	4.8	0.29	ug/L		11/14/11 08:52	11/16/11 17:54	1
4-Nitroaniline	19	U	19	0.76	ug/L		11/14/11 08:52	11/16/11 17:54	1
4-Nitrophenol	19	U	19	2.3	ug/L		11/14/11 08:52	11/16/11 17:54	1
Acenaphthene	4.8	U	4.8	0.095	ug/L		11/14/11 08:52	11/16/11 17:54	1
Acenaphthylene	4.8	U	4.8	0.095	ug/L		11/14/11 08:52	11/16/11 17:54	1
Acetophenone	4.8	U	4.8	0.32	ug/L		11/14/11 08:52	11/16/11 17:54	1
Anthracene	4.8	U	4.8	0.095	ug/L		11/14/11 08:52	11/16/11 17:54	1
Atrazine	2.9	U	2.9	0.32	ug/L		11/14/11 08:52	11/16/11 17:54	1
Benzaldehyde	4.8	U	4.8	0.37	ug/L		11/14/11 08:52	11/16/11 17:54	1
Benzo[a]anthracene	0.95	U	0.95	0.095	ug/L		11/14/11 08:52	11/16/11 17:54	1
Benzo[a]pyrene	0.95	U	0.95	0.095	ug/L		11/14/11 08:52	11/16/11 17:54	1
Benzo[b]fluoranthene	0.95	U	0.95	0.095	ug/L		11/14/11 08:52	11/16/11 17:54	1
Benzo[g,h,i]perylene	0.95	U	0.95	0.095	ug/L		11/14/11 08:52	11/16/11 17:54	1
Benzo[k]fluoranthene	0.95	U	0.95	0.095	ug/L		11/14/11 08:52	11/16/11 17:54	1
Bis(2-chloroethoxy)methane	4.8	U	4.8	0.30	ug/L		11/14/11 08:52	11/16/11 17:54	1
Bis(2-chloroethyl)ether	0.95	U	0.95	0.095	ug/L		11/14/11 08:52	11/16/11 17:54	1
Bis(2-ethylhexyl) phthalate	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 17:54	1
Butyl benzyl phthalate	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 17:54	1
Caprolactam	9.5	U *	9.5	0.76	ug/L		11/14/11 08:52	11/16/11 17:54	1
Carbazole	9.5	U	9.5	0.27	ug/L		11/14/11 08:52	11/16/11 17:54	1
Chrysene	0.95	U	0.95	0.095	ug/L		11/14/11 08:52	11/16/11 17:54	1
Dibenz(a,h)anthracene	1.9	U	1.9	0.095	ug/L		11/14/11 08:52	11/16/11 17:54	1
Dibenzofuran	3.8	U	3.8	0.095	ug/L		11/14/11 08:52	11/16/11 17:54	1

Client Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Client Sample ID: LLI01-BS09-0000-WSXX

Lab Sample ID: 240-5811-9

Date Collected: 11/10/11 11:50

Matrix: Water

Date Received: 11/11/11 07:45

Method: 8270C - TCL Semivolatile Compounds (OLMO4.2) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	4.8	U	4.8	0.57	ug/L		11/14/11 08:52	11/16/11 17:54	1
Dimethyl phthalate	4.8	U	4.8	0.28	ug/L		11/14/11 08:52	11/16/11 17:54	1
Di-n-butyl phthalate	4.8	U	4.8	0.64	ug/L		11/14/11 08:52	11/16/11 17:54	1
Di-n-octyl phthalate	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 17:54	1
Fluoranthene	0.22	J	0.95	0.095	ug/L		11/14/11 08:52	11/16/11 17:54	1
Fluorene	4.8	U	4.8	0.095	ug/L		11/14/11 08:52	11/16/11 17:54	1
Hexachlorobenzene	0.19	U	0.19	0.095	ug/L		11/14/11 08:52	11/16/11 17:54	1
Hexachlorobutadiene	0.95	U	0.95	0.26	ug/L		11/14/11 08:52	11/16/11 17:54	1
Hexachlorocyclopentadiene	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 17:54	1
Hexachloroethane	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 17:54	1
Indeno[1,2,3-cd]pyrene	1.9	U	1.9	0.095	ug/L		11/14/11 08:52	11/16/11 17:54	1
Isophorone	4.8	U	4.8	0.26	ug/L		11/14/11 08:52	11/16/11 17:54	1
Naphthalene	4.8	U	4.8	0.095	ug/L		11/14/11 08:52	11/16/11 17:54	1
Nitrobenzene	2.9	U	2.9	0.038	ug/L		11/14/11 08:52	11/16/11 17:54	1
N-Nitrosodi-n-propylamine	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 17:54	1
N-Nitrosodiphenylamine	4.8	U	4.8	0.30	ug/L		11/14/11 08:52	11/16/11 17:54	1
Pentachlorophenol	4.8	U	4.8	2.3	ug/L		11/14/11 08:52	11/16/11 17:54	1
Phenol	4.8	U	4.8	0.57	ug/L		11/14/11 08:52	11/16/11 17:54	1
Phenanthrene	1.9	U	1.9	0.095	ug/L		11/14/11 08:52	11/16/11 17:54	1
Pyrene	0.15	J	4.8	0.095	ug/L		11/14/11 08:52	11/16/11 17:54	1
3 & 4 Methylphenol	4.8	U	4.8	0.71	ug/L		11/14/11 08:52	11/16/11 17:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	51		28 - 110	11/14/11 08:52	11/16/11 17:54	1
2-Fluorophenol (Surr)	51		10 - 110	11/14/11 08:52	11/16/11 17:54	1
2,4,6-Tribromophenol (Surr)	51		22 - 120	11/14/11 08:52	11/16/11 17:54	1
Nitrobenzene-d5 (Surr)	53		27 - 111	11/14/11 08:52	11/16/11 17:54	1
Phenol-d5 (Surr)	46		10 - 110	11/14/11 08:52	11/16/11 17:54	1
Terphenyl-d14 (Surr)	61		37 - 119	11/14/11 08:52	11/16/11 17:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.095	U	0.095	0.042	ug/L		11/14/11 08:45	11/16/11 10:24	1
PCB-1221	0.095	U	0.095	0.043	ug/L		11/14/11 08:45	11/16/11 10:24	1
PCB-1232	0.095	U	0.095	0.070	ug/L		11/14/11 08:45	11/16/11 10:24	1
PCB-1242	0.095	U	0.095	0.057	ug/L		11/14/11 08:45	11/16/11 10:24	1
PCB-1248	0.095	U	0.095	0.058	ug/L		11/14/11 08:45	11/16/11 10:24	1
PCB-1254	0.095	U	0.095	0.030	ug/L		11/14/11 08:45	11/16/11 10:24	1
PCB-1260	0.095	U	0.095	0.036	ug/L		11/14/11 08:45	11/16/11 10:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	80		23 - 136	11/14/11 08:45	11/16/11 10:24	1
DCB Decachlorobiphenyl	57		10 - 130	11/14/11 08:45	11/16/11 10:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.67	J	5.0	0.40	ug/L		11/16/11 05:30	11/21/11 21:04	1
Barium	67	B	5.0	0.19	ug/L		11/16/11 05:30	11/21/11 21:04	1
Cadmium	0.42	J	1.0	0.13	ug/L		11/16/11 05:30	11/21/11 21:04	1
Chromium	2.0	U	2.0	0.71	ug/L		11/16/11 05:30	11/21/11 21:04	1
Copper	9.8	B	2.0	0.29	ug/L		11/16/11 05:30	11/21/11 21:04	1

Client Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Client Sample ID: LLI01-BS09-0000-WSXX

Lab Sample ID: 240-5811-9

Date Collected: 11/10/11 11:50

Matrix: Water

Date Received: 11/11/11 07:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	47		1.0	0.18	ug/L		11/16/11 05:30	11/21/11 21:04	1
Selenium	5.0	U	5.0	0.57	ug/L		11/16/11 05:30	11/21/11 21:04	1
Zinc	160	B	20	2.3	ug/L		11/16/11 05:30	11/21/11 21:04	1
Silver	0.20	U	0.20	0.080	ug/L		11/16/11 05:30	11/21/11 21:04	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		11/15/11 15:35	11/16/11 10:02	1

Client Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Client Sample ID: LLI01-BS10-0000-WSXX

Lab Sample ID: 240-5811-10

Date Collected: 11/10/11 12:10

Matrix: Water

Date Received: 11/11/11 07:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			11/18/11 21:43	1
Benzene	1.0	U	1.0	0.13	ug/L			11/18/11 21:43	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			11/18/11 21:43	1
Bromoform	1.0	U	1.0	0.64	ug/L			11/18/11 21:43	1
Bromomethane	1.0	U	1.0	0.41	ug/L			11/18/11 21:43	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			11/18/11 21:43	1
Carbon disulfide	5.0	U	5.0	0.13	ug/L			11/18/11 21:43	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			11/18/11 21:43	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			11/18/11 21:43	1
Chloroethane	1.0	U	1.0	0.29	ug/L			11/18/11 21:43	1
Chloroform	1.0	U	1.0	0.16	ug/L			11/18/11 21:43	1
Chloromethane	1.0	U	1.0	0.30	ug/L			11/18/11 21:43	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			11/18/11 21:43	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			11/18/11 21:43	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			11/18/11 21:43	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			11/18/11 21:43	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			11/18/11 21:43	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			11/18/11 21:43	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			11/18/11 21:43	1
2-Hexanone	10	U	10	0.41	ug/L			11/18/11 21:43	1
Methylene Chloride	5.0	U	5.0	0.33	ug/L			11/18/11 21:43	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			11/18/11 21:43	1
Styrene	1.0	U	1.0	0.11	ug/L			11/18/11 21:43	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			11/18/11 21:43	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			11/18/11 21:43	1
Toluene	1.0	U	1.0	0.13	ug/L			11/18/11 21:43	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			11/18/11 21:43	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			11/18/11 21:43	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			11/18/11 21:43	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			11/18/11 21:43	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			11/18/11 21:43	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			11/18/11 21:43	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			11/18/11 21:43	1
1,2-Dibromoethane	1.0	U	1.0	0.24	ug/L			11/18/11 21:43	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			11/18/11 21:43	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			11/18/11 21:43	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			11/18/11 21:43	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			11/18/11 21:43	1
Methyl acetate	10	U	10	0.38	ug/L			11/18/11 21:43	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			11/18/11 21:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			11/18/11 21:43	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			11/18/11 21:43	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			11/18/11 21:43	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			11/18/11 21:43	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			11/18/11 21:43	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			11/18/11 21:43	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			11/18/11 21:43	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			11/18/11 21:43	1

Client Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Client Sample ID: LLI01-BS10-0000-WSXX

Lab Sample ID: 240-5811-10

Date Collected: 11/10/11 12:10

Matrix: Water

Date Received: 11/11/11 07:45

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		63 - 129					11/18/11 21:43	1
4-Bromofluorobenzene (Surr)	93		66 - 117					11/18/11 21:43	1
Toluene-d8 (Surr)	100		74 - 115					11/18/11 21:43	1
Dibromofluoromethane (Surr)	98		75 - 121					11/18/11 21:43	1

Method: 8270C - TCL Semivolatile Compounds (OLMO4.2)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 18:10	1
2,2'-oxybis[1-chloropropane]	4.8	U	4.8	0.38	ug/L		11/14/11 08:52	11/16/11 18:10	1
2,4,5-Trichlorophenol	4.8	U	4.8	0.29	ug/L		11/14/11 08:52	11/16/11 18:10	1
2,4,6-Trichlorophenol	3.8	U	3.8	0.76	ug/L		11/14/11 08:52	11/16/11 18:10	1
2,4-Dichlorophenol	9.5	U	9.5	0.76	ug/L		11/14/11 08:52	11/16/11 18:10	1
2,4-Dimethylphenol	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 18:10	1
2,4-Dinitrophenol	19	U	19	2.3	ug/L		11/14/11 08:52	11/16/11 18:10	1
2,4-Dinitrotoluene	4.8	U	4.8	0.26	ug/L		11/14/11 08:52	11/16/11 18:10	1
2,6-Dinitrotoluene	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 18:10	1
2-Chloronaphthalene	4.8	U	4.8	0.095	ug/L		11/14/11 08:52	11/16/11 18:10	1
2-Chlorophenol	4.8	U	4.8	0.28	ug/L		11/14/11 08:52	11/16/11 18:10	1
2-Methylnaphthalene	4.8	U	4.8	0.095	ug/L		11/14/11 08:52	11/16/11 18:10	1
2-Methylphenol	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 18:10	1
2-Nitroaniline	19	U	19	0.76	ug/L		11/14/11 08:52	11/16/11 18:10	1
2-Nitrophenol	4.8	U	4.8	0.27	ug/L		11/14/11 08:52	11/16/11 18:10	1
3,3'-Dichlorobenzidine	0.95	U	0.95	0.35	ug/L		11/14/11 08:52	11/16/11 18:10	1
3-Nitroaniline	19	U	19	0.27	ug/L		11/14/11 08:52	11/16/11 18:10	1
4,6-Dinitro-2-methylphenol	19	U	19	2.3	ug/L		11/14/11 08:52	11/16/11 18:10	1
4-Bromophenyl phenyl ether	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 18:10	1
4-Chloro-3-methylphenol	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 18:10	1
4-Chloroaniline	9.5	U	9.5	0.76	ug/L		11/14/11 08:52	11/16/11 18:10	1
4-Chlorophenyl phenyl ether	4.8	U	4.8	0.29	ug/L		11/14/11 08:52	11/16/11 18:10	1
4-Nitroaniline	19	U	19	0.76	ug/L		11/14/11 08:52	11/16/11 18:10	1
4-Nitrophenol	19	U	19	2.3	ug/L		11/14/11 08:52	11/16/11 18:10	1
Acenaphthene	4.8	U	4.8	0.095	ug/L		11/14/11 08:52	11/16/11 18:10	1
Acenaphthylene	4.8	U	4.8	0.095	ug/L		11/14/11 08:52	11/16/11 18:10	1
Acetophenone	4.8	U	4.8	0.32	ug/L		11/14/11 08:52	11/16/11 18:10	1
Anthracene	4.8	U	4.8	0.095	ug/L		11/14/11 08:52	11/16/11 18:10	1
Atrazine	2.9	U	2.9	0.32	ug/L		11/14/11 08:52	11/16/11 18:10	1
Benzaldehyde	4.8	U	4.8	0.37	ug/L		11/14/11 08:52	11/16/11 18:10	1
Benzo[a]anthracene	0.95	U	0.95	0.095	ug/L		11/14/11 08:52	11/16/11 18:10	1
Benzo[a]pyrene	0.95	U	0.95	0.095	ug/L		11/14/11 08:52	11/16/11 18:10	1
Benzo[b]fluoranthene	0.95	U	0.95	0.095	ug/L		11/14/11 08:52	11/16/11 18:10	1
Benzo[g,h,i]perylene	0.95	U	0.95	0.095	ug/L		11/14/11 08:52	11/16/11 18:10	1
Benzo[k]fluoranthene	0.95	U	0.95	0.095	ug/L		11/14/11 08:52	11/16/11 18:10	1
Bis(2-chloroethoxy)methane	4.8	U	4.8	0.30	ug/L		11/14/11 08:52	11/16/11 18:10	1
Bis(2-chloroethyl)ether	0.95	U	0.95	0.095	ug/L		11/14/11 08:52	11/16/11 18:10	1
Bis(2-ethylhexyl) phthalate	0.76	J	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 18:10	1
Butyl benzyl phthalate	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 18:10	1
Caprolactam	9.5	U *	9.5	0.76	ug/L		11/14/11 08:52	11/16/11 18:10	1
Carbazole	9.5	U	9.5	0.27	ug/L		11/14/11 08:52	11/16/11 18:10	1
Chrysene	0.95	U	0.95	0.095	ug/L		11/14/11 08:52	11/16/11 18:10	1
Dibenz(a,h)anthracene	1.9	U	1.9	0.095	ug/L		11/14/11 08:52	11/16/11 18:10	1
Dibenzofuran	3.8	U	3.8	0.095	ug/L		11/14/11 08:52	11/16/11 18:10	1

Client Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Client Sample ID: LLI01-BS10-0000-WSXX

Lab Sample ID: 240-5811-10

Date Collected: 11/10/11 12:10

Matrix: Water

Date Received: 11/11/11 07:45

Method: 8270C - TCL Semivolatile Compounds (OLMO4.2) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	4.8	U	4.8	0.57	ug/L		11/14/11 08:52	11/16/11 18:10	1
Dimethyl phthalate	4.8	U	4.8	0.28	ug/L		11/14/11 08:52	11/16/11 18:10	1
Di-n-butyl phthalate	4.8	U	4.8	0.64	ug/L		11/14/11 08:52	11/16/11 18:10	1
Di-n-octyl phthalate	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 18:10	1
Fluoranthene	0.95	U	0.95	0.095	ug/L		11/14/11 08:52	11/16/11 18:10	1
Fluorene	4.8	U	4.8	0.095	ug/L		11/14/11 08:52	11/16/11 18:10	1
Hexachlorobenzene	0.19	U	0.19	0.095	ug/L		11/14/11 08:52	11/16/11 18:10	1
Hexachlorobutadiene	0.95	U	0.95	0.26	ug/L		11/14/11 08:52	11/16/11 18:10	1
Hexachlorocyclopentadiene	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 18:10	1
Hexachloroethane	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 18:10	1
Indeno[1,2,3-cd]pyrene	1.9	U	1.9	0.095	ug/L		11/14/11 08:52	11/16/11 18:10	1
Isophorone	4.8	U	4.8	0.26	ug/L		11/14/11 08:52	11/16/11 18:10	1
Naphthalene	4.8	U	4.8	0.095	ug/L		11/14/11 08:52	11/16/11 18:10	1
Nitrobenzene	2.9	U	2.9	0.038	ug/L		11/14/11 08:52	11/16/11 18:10	1
N-Nitrosodi-n-propylamine	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 18:10	1
N-Nitrosodiphenylamine	4.8	U	4.8	0.30	ug/L		11/14/11 08:52	11/16/11 18:10	1
Pentachlorophenol	4.8	U	4.8	2.3	ug/L		11/14/11 08:52	11/16/11 18:10	1
Phenol	4.8	U	4.8	0.57	ug/L		11/14/11 08:52	11/16/11 18:10	1
Phenanthrene	1.9	U	1.9	0.095	ug/L		11/14/11 08:52	11/16/11 18:10	1
Pyrene	4.8	U	4.8	0.095	ug/L		11/14/11 08:52	11/16/11 18:10	1
3 & 4 Methylphenol	4.8	U	4.8	0.71	ug/L		11/14/11 08:52	11/16/11 18:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	36		28 - 110	11/14/11 08:52	11/16/11 18:10	1
2-Fluorophenol (Surr)	20		10 - 110	11/14/11 08:52	11/16/11 18:10	1
2,4,6-Tribromophenol (Surr)	40		22 - 120	11/14/11 08:52	11/16/11 18:10	1
Nitrobenzene-d5 (Surr)	34		27 - 111	11/14/11 08:52	11/16/11 18:10	1
Phenol-d5 (Surr)	13		10 - 110	11/14/11 08:52	11/16/11 18:10	1
Terphenyl-d14 (Surr)	57		37 - 119	11/14/11 08:52	11/16/11 18:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.095	U	0.095	0.042	ug/L		11/14/11 08:45	11/16/11 10:40	1
PCB-1221	0.095	U	0.095	0.043	ug/L		11/14/11 08:45	11/16/11 10:40	1
PCB-1232	0.095	U	0.095	0.070	ug/L		11/14/11 08:45	11/16/11 10:40	1
PCB-1242	0.095	U	0.095	0.057	ug/L		11/14/11 08:45	11/16/11 10:40	1
PCB-1248	0.095	U	0.095	0.058	ug/L		11/14/11 08:45	11/16/11 10:40	1
PCB-1254	0.095	U	0.095	0.030	ug/L		11/14/11 08:45	11/16/11 10:40	1
PCB-1260	0.095	U	0.095	0.036	ug/L		11/14/11 08:45	11/16/11 10:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	73		23 - 136	11/14/11 08:45	11/16/11 10:40	1
DCB Decachlorobiphenyl	47		10 - 130	11/14/11 08:45	11/16/11 10:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.8	J	5.0	0.40	ug/L		11/16/11 05:30	11/21/11 19:25	1
Barium	96	B	5.0	0.19	ug/L		11/16/11 05:30	11/21/11 19:25	1
Cadmium	0.46	J	1.0	0.13	ug/L		11/16/11 05:30	11/21/11 19:25	1
Chromium	2.2		2.0	0.71	ug/L		11/16/11 05:30	11/21/11 19:25	1
Copper	41	B	2.0	0.29	ug/L		11/16/11 05:30	11/21/11 19:25	1

Client Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Client Sample ID: LLI01-BS10-0000-WSXX

Lab Sample ID: 240-5811-10

Date Collected: 11/10/11 12:10

Matrix: Water

Date Received: 11/11/11 07:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	84		1.0	0.18	ug/L		11/16/11 05:30	11/21/11 19:25	1
Selenium	3.5	J	5.0	0.57	ug/L		11/16/11 05:30	11/21/11 19:25	1
Zinc	480	B	20	2.3	ug/L		11/16/11 05:30	11/21/11 19:25	1
Silver	0.20	U	0.20	0.080	ug/L		11/16/11 05:30	11/21/11 19:25	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.19	J	0.20	0.12	ug/L		11/18/11 15:50	11/21/11 12:07	1

Client Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Client Sample ID: LLI01-BS10-0000-WSFD

Lab Sample ID: 240-5811-11

Date Collected: 11/10/11 00:00

Matrix: Water

Date Received: 11/11/11 07:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			11/22/11 04:58	1
Benzene	1.0	U	1.0	0.13	ug/L			11/22/11 04:58	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			11/22/11 04:58	1
Bromoform	1.0	U	1.0	0.64	ug/L			11/22/11 04:58	1
Bromomethane	1.0	U	1.0	0.41	ug/L			11/22/11 04:58	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			11/22/11 04:58	1
Carbon disulfide	5.0	U	5.0	0.13	ug/L			11/22/11 04:58	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			11/22/11 04:58	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			11/22/11 04:58	1
Chloroethane	1.0	U	1.0	0.29	ug/L			11/22/11 04:58	1
Chloroform	1.0	U	1.0	0.16	ug/L			11/22/11 04:58	1
Chloromethane	1.0	U	1.0	0.30	ug/L			11/22/11 04:58	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			11/22/11 04:58	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			11/22/11 04:58	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			11/22/11 04:58	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			11/22/11 04:58	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			11/22/11 04:58	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			11/22/11 04:58	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			11/22/11 04:58	1
2-Hexanone	10	U	10	0.41	ug/L			11/22/11 04:58	1
Methylene Chloride	5.0	U	5.0	0.33	ug/L			11/22/11 04:58	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			11/22/11 04:58	1
Styrene	1.0	U	1.0	0.11	ug/L			11/22/11 04:58	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			11/22/11 04:58	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			11/22/11 04:58	1
Toluene	1.0	U	1.0	0.13	ug/L			11/22/11 04:58	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			11/22/11 04:58	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			11/22/11 04:58	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			11/22/11 04:58	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			11/22/11 04:58	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			11/22/11 04:58	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			11/22/11 04:58	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			11/22/11 04:58	1
1,2-Dibromoethane	1.0	U	1.0	0.24	ug/L			11/22/11 04:58	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			11/22/11 04:58	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			11/22/11 04:58	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			11/22/11 04:58	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			11/22/11 04:58	1
Methyl acetate	10	U	10	0.38	ug/L			11/22/11 04:58	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			11/22/11 04:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			11/22/11 04:58	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			11/22/11 04:58	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			11/22/11 04:58	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			11/22/11 04:58	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			11/22/11 04:58	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			11/22/11 04:58	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			11/22/11 04:58	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			11/22/11 04:58	1

Client Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Client Sample ID: LLI01-BS10-0000-WSFD

Lab Sample ID: 240-5811-11

Date Collected: 11/10/11 00:00

Matrix: Water

Date Received: 11/11/11 07:45

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		63 - 129		11/22/11 04:58	1
4-Bromofluorobenzene (Surr)	86		66 - 117		11/22/11 04:58	1
Toluene-d8 (Surr)	105		74 - 115		11/22/11 04:58	1
Dibromofluoromethane (Surr)	116		75 - 121		11/22/11 04:58	1

Method: 8270C - TCL Semivolatile Compounds (OLMO4.2)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 19:01	1
2,2'-oxybis[1-chloropropane]	4.8	U	4.8	0.38	ug/L		11/14/11 08:52	11/16/11 19:01	1
2,4,5-Trichlorophenol	4.8	U	4.8	0.29	ug/L		11/14/11 08:52	11/16/11 19:01	1
2,4,6-Trichlorophenol	3.8	U	3.8	0.76	ug/L		11/14/11 08:52	11/16/11 19:01	1
2,4-Dichlorophenol	9.5	U	9.5	0.76	ug/L		11/14/11 08:52	11/16/11 19:01	1
2,4-Dimethylphenol	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 19:01	1
2,4-Dinitrophenol	19	U	19	2.3	ug/L		11/14/11 08:52	11/16/11 19:01	1
2,4-Dinitrotoluene	4.8	U	4.8	0.26	ug/L		11/14/11 08:52	11/16/11 19:01	1
2,6-Dinitrotoluene	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 19:01	1
2-Chloronaphthalene	4.8	U	4.8	0.095	ug/L		11/14/11 08:52	11/16/11 19:01	1
2-Chlorophenol	4.8	U	4.8	0.28	ug/L		11/14/11 08:52	11/16/11 19:01	1
2-Methylnaphthalene	4.8	U	4.8	0.095	ug/L		11/14/11 08:52	11/16/11 19:01	1
2-Methylphenol	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 19:01	1
2-Nitroaniline	19	U	19	0.76	ug/L		11/14/11 08:52	11/16/11 19:01	1
2-Nitrophenol	4.8	U	4.8	0.27	ug/L		11/14/11 08:52	11/16/11 19:01	1
3,3'-Dichlorobenzidine	0.95	U	0.95	0.35	ug/L		11/14/11 08:52	11/16/11 19:01	1
3-Nitroaniline	19	U	19	0.27	ug/L		11/14/11 08:52	11/16/11 19:01	1
4,6-Dinitro-2-methylphenol	19	U	19	2.3	ug/L		11/14/11 08:52	11/16/11 19:01	1
4-Bromophenyl phenyl ether	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 19:01	1
4-Chloro-3-methylphenol	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 19:01	1
4-Chloroaniline	9.5	U	9.5	0.76	ug/L		11/14/11 08:52	11/16/11 19:01	1
4-Chlorophenyl phenyl ether	4.8	U	4.8	0.29	ug/L		11/14/11 08:52	11/16/11 19:01	1
4-Nitroaniline	19	U	19	0.76	ug/L		11/14/11 08:52	11/16/11 19:01	1
4-Nitrophenol	19	U	19	2.3	ug/L		11/14/11 08:52	11/16/11 19:01	1
Acenaphthene	4.8	U	4.8	0.095	ug/L		11/14/11 08:52	11/16/11 19:01	1
Acenaphthylene	4.8	U	4.8	0.095	ug/L		11/14/11 08:52	11/16/11 19:01	1
Acetophenone	4.8	U	4.8	0.32	ug/L		11/14/11 08:52	11/16/11 19:01	1
Anthracene	4.8	U	4.8	0.095	ug/L		11/14/11 08:52	11/16/11 19:01	1
Atrazine	2.9	U	2.9	0.32	ug/L		11/14/11 08:52	11/16/11 19:01	1
Benzaldehyde	4.8	U	4.8	0.37	ug/L		11/14/11 08:52	11/16/11 19:01	1
Benzo[a]anthracene	0.95	U	0.95	0.095	ug/L		11/14/11 08:52	11/16/11 19:01	1
Benzo[a]pyrene	0.95	U	0.95	0.095	ug/L		11/14/11 08:52	11/16/11 19:01	1
Benzo[b]fluoranthene	0.95	U	0.95	0.095	ug/L		11/14/11 08:52	11/16/11 19:01	1
Benzo[g,h,i]perylene	0.95	U	0.95	0.095	ug/L		11/14/11 08:52	11/16/11 19:01	1
Benzo[k]fluoranthene	0.95	U	0.95	0.095	ug/L		11/14/11 08:52	11/16/11 19:01	1
Bis(2-chloroethoxy)methane	4.8	U	4.8	0.30	ug/L		11/14/11 08:52	11/16/11 19:01	1
Bis(2-chloroethyl)ether	0.95	U	0.95	0.095	ug/L		11/14/11 08:52	11/16/11 19:01	1
Bis(2-ethylhexyl) phthalate	2.8	J	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 19:01	1
Butyl benzyl phthalate	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 19:01	1
Caprolactam	9.5	U *	9.5	0.76	ug/L		11/14/11 08:52	11/16/11 19:01	1
Carbazole	9.5	U	9.5	0.27	ug/L		11/14/11 08:52	11/16/11 19:01	1
Chrysene	0.95	U	0.95	0.095	ug/L		11/14/11 08:52	11/16/11 19:01	1
Dibenz(a,h)anthracene	1.9	U	1.9	0.095	ug/L		11/14/11 08:52	11/16/11 19:01	1
Dibenzofuran	3.8	U	3.8	0.095	ug/L		11/14/11 08:52	11/16/11 19:01	1

Client Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Client Sample ID: LLI01-BS10-0000-WSFD

Lab Sample ID: 240-5811-11

Date Collected: 11/10/11 00:00

Matrix: Water

Date Received: 11/11/11 07:45

Method: 8270C - TCL Semivolatile Compounds (OLMO4.2) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	4.8	U	4.8	0.57	ug/L		11/14/11 08:52	11/16/11 19:01	1
Dimethyl phthalate	4.8	U	4.8	0.28	ug/L		11/14/11 08:52	11/16/11 19:01	1
Di-n-butyl phthalate	4.8	U	4.8	0.64	ug/L		11/14/11 08:52	11/16/11 19:01	1
Di-n-octyl phthalate	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 19:01	1
Fluoranthene	0.34	J	0.95	0.095	ug/L		11/14/11 08:52	11/16/11 19:01	1
Fluorene	4.8	U	4.8	0.095	ug/L		11/14/11 08:52	11/16/11 19:01	1
Hexachlorobenzene	0.19	U	0.19	0.095	ug/L		11/14/11 08:52	11/16/11 19:01	1
Hexachlorobutadiene	0.95	U	0.95	0.26	ug/L		11/14/11 08:52	11/16/11 19:01	1
Hexachlorocyclopentadiene	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 19:01	1
Hexachloroethane	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 19:01	1
Indeno[1,2,3-cd]pyrene	1.9	U	1.9	0.095	ug/L		11/14/11 08:52	11/16/11 19:01	1
Isophorone	4.8	U	4.8	0.26	ug/L		11/14/11 08:52	11/16/11 19:01	1
Naphthalene	4.8	U	4.8	0.095	ug/L		11/14/11 08:52	11/16/11 19:01	1
Nitrobenzene	2.9	U	2.9	0.038	ug/L		11/14/11 08:52	11/16/11 19:01	1
N-Nitrosodi-n-propylamine	4.8	U	4.8	0.76	ug/L		11/14/11 08:52	11/16/11 19:01	1
N-Nitrosodiphenylamine	4.8	U	4.8	0.30	ug/L		11/14/11 08:52	11/16/11 19:01	1
Pentachlorophenol	4.8	U	4.8	2.3	ug/L		11/14/11 08:52	11/16/11 19:01	1
Phenol	4.8	U	4.8	0.57	ug/L		11/14/11 08:52	11/16/11 19:01	1
Phenanthrene	1.9	U	1.9	0.095	ug/L		11/14/11 08:52	11/16/11 19:01	1
Pyrene	0.26	J	4.8	0.095	ug/L		11/14/11 08:52	11/16/11 19:01	1
3 & 4 Methylphenol	4.8	U	4.8	0.71	ug/L		11/14/11 08:52	11/16/11 19:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	58		28 - 110	11/14/11 08:52	11/16/11 19:01	1
2-Fluorophenol (Surr)	63		10 - 110	11/14/11 08:52	11/16/11 19:01	1
2,4,6-Tribromophenol (Surr)	57		22 - 120	11/14/11 08:52	11/16/11 19:01	1
Nitrobenzene-d5 (Surr)	57		27 - 111	11/14/11 08:52	11/16/11 19:01	1
Phenol-d5 (Surr)	53		10 - 110	11/14/11 08:52	11/16/11 19:01	1
Terphenyl-d14 (Surr)	56		37 - 119	11/14/11 08:52	11/16/11 19:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.095	U	0.095	0.042	ug/L		11/14/11 08:45	11/16/11 11:56	1
PCB-1221	0.095	U	0.095	0.043	ug/L		11/14/11 08:45	11/16/11 11:56	1
PCB-1232	0.095	U	0.095	0.070	ug/L		11/14/11 08:45	11/16/11 11:56	1
PCB-1242	0.095	U	0.095	0.057	ug/L		11/14/11 08:45	11/16/11 11:56	1
PCB-1248	0.095	U	0.095	0.058	ug/L		11/14/11 08:45	11/16/11 11:56	1
PCB-1254	0.095	U	0.095	0.030	ug/L		11/14/11 08:45	11/16/11 11:56	1
PCB-1260	0.095	U	0.095	0.036	ug/L		11/14/11 08:45	11/16/11 11:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	77		23 - 136	11/14/11 08:45	11/16/11 11:56	1
DCB Decachlorobiphenyl	41		10 - 130	11/14/11 08:45	11/16/11 11:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.62	J	5.0	0.40	ug/L		11/16/11 05:30	11/21/11 21:10	1
Barium	85	B	5.0	0.19	ug/L		11/16/11 05:30	11/21/11 21:10	1
Cadmium	0.35	J	1.0	0.13	ug/L		11/16/11 05:30	11/21/11 21:10	1
Chromium	2.0	U	2.0	0.71	ug/L		11/16/11 05:30	11/21/11 21:10	1
Copper	10	B	2.0	0.29	ug/L		11/16/11 05:30	11/21/11 21:10	1

Client Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Client Sample ID: LLI01-BS10-0000-WSFD

Lab Sample ID: 240-5811-11

Date Collected: 11/10/11 00:00

Matrix: Water

Date Received: 11/11/11 07:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	37		1.0	0.18	ug/L		11/16/11 05:30	11/21/11 21:10	1
Selenium	5.0	U	5.0	0.57	ug/L		11/16/11 05:30	11/21/11 21:10	1
Zinc	140	B	20	2.3	ug/L		11/16/11 05:30	11/21/11 21:10	1
Silver	0.20	U	0.20	0.080	ug/L		11/16/11 05:30	11/21/11 21:10	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		11/18/11 15:50	11/21/11 12:24	1

Client Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Client Sample ID: TRIP BLANKS

Lab Sample ID: 240-5811-12

Date Collected: 11/10/11 00:00

Matrix: Water

Date Received: 11/11/11 07:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	12		10	1.1	ug/L			11/22/11 05:19	1
Benzene	1.0	U	1.0	0.13	ug/L			11/22/11 05:19	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			11/22/11 05:19	1
Bromoform	1.0	U	1.0	0.64	ug/L			11/22/11 05:19	1
Bromomethane	1.0	U	1.0	0.41	ug/L			11/22/11 05:19	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			11/22/11 05:19	1
Carbon disulfide	5.0	U	5.0	0.13	ug/L			11/22/11 05:19	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			11/22/11 05:19	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			11/22/11 05:19	1
Chloroethane	1.0	U	1.0	0.29	ug/L			11/22/11 05:19	1
Chloroform	0.33	J	1.0	0.16	ug/L			11/22/11 05:19	1
Chloromethane	1.0	U	1.0	0.30	ug/L			11/22/11 05:19	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			11/22/11 05:19	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			11/22/11 05:19	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			11/22/11 05:19	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			11/22/11 05:19	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			11/22/11 05:19	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			11/22/11 05:19	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			11/22/11 05:19	1
2-Hexanone	10	U	10	0.41	ug/L			11/22/11 05:19	1
Methylene Chloride	5.0	U	5.0	0.33	ug/L			11/22/11 05:19	1
4-Methyl-2-pentanone (MIBK)	0.40	J	10	0.32	ug/L			11/22/11 05:19	1
Styrene	1.0	U	1.0	0.11	ug/L			11/22/11 05:19	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			11/22/11 05:19	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			11/22/11 05:19	1
Toluene	1.0	U	1.0	0.13	ug/L			11/22/11 05:19	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			11/22/11 05:19	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			11/22/11 05:19	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			11/22/11 05:19	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			11/22/11 05:19	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			11/22/11 05:19	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			11/22/11 05:19	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			11/22/11 05:19	1
1,2-Dibromoethane	1.0	U	1.0	0.24	ug/L			11/22/11 05:19	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			11/22/11 05:19	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			11/22/11 05:19	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			11/22/11 05:19	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			11/22/11 05:19	1
Methyl acetate	10	U	10	0.38	ug/L			11/22/11 05:19	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			11/22/11 05:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			11/22/11 05:19	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			11/22/11 05:19	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			11/22/11 05:19	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			11/22/11 05:19	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			11/22/11 05:19	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			11/22/11 05:19	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			11/22/11 05:19	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			11/22/11 05:19	1

Client Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Client Sample ID: TRIP BLANKS

Lab Sample ID: 240-5811-12

Date Collected: 11/10/11 00:00

Matrix: Water

Date Received: 11/11/11 07:45

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		63 - 129		11/22/11 05:19	1
4-Bromofluorobenzene (Surr)	86		66 - 117		11/22/11 05:19	1
Toluene-d8 (Surr)	106		74 - 115		11/22/11 05:19	1
Dibromofluoromethane (Surr)	113		75 - 121		11/22/11 05:19	1

Surrogate Summary

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		12DCE (63-129)	BFB (66-117)	TOL (74-115)	DBFM (75-121)
240-5811-1	LLI01-BS01-0000-WSXX	109	91	102	108
240-5811-2	LLI01-BS02-0000-WSXX	109	89	100	110
240-5811-3	LLI01-BS03-0000-WSXX	109	91	104	113
240-5811-4	LLI01-BS04-0000-WSXX	110	92	101	110
240-5811-5	LLI01-BS05-0000-WSXX	114	91	103	115
240-5811-6	LLI01-BS06-0000-WSXX	110	87	100	110
240-5811-7	LLI01-BS07-0000-WSXX	112	86	106	115
240-5811-8	LLI01-BS08-0000-WSXX	110	83	104	110
240-5811-9	LLI01-BS09-0000-WSXX	114	86	103	113
240-5811-10	LLI01-BS10-0000-WSXX	108	93	100	98
240-5811-10 MS	LLI01-BS10-0000-WSXX	104	102	103	98
240-5811-10 MSD	LLI01-BS10-0000-WSXX	94	99	98	91
240-5811-11	LLI01-BS10-0000-WSFD	112	86	105	116
240-5811-12	TRIP BLANKS	115	86	106	113
LCS 240-23979/4	Lab Control Sample	96	105	105	94
LCS 240-24252/4	Lab Control Sample	109	105	106	105
MB 240-23979/5	Method Blank	95	90	101	93
MB 240-24252/5	Method Blank	107	92	103	106

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane (Surr)

Method: 8270C - TCL Semivolatile Compounds (OLMO4.2)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		FBP (28-110)	2FP (10-110)	TBP (22-120)	NBZ (27-111)	PHL (10-110)	TPH (37-119)
240-5811-1	LLI01-BS01-0000-WSXX	58	63	51	60	55	68
240-5811-2	LLI01-BS02-0000-WSXX	60	48	51	41	12	60
240-5811-3	LLI01-BS03-0000-WSXX	45	42	41	39	33	47
240-5811-4	LLI01-BS04-0000-WSXX	59	63	56	57	50	72
240-5811-5	LLI01-BS05-0000-WSXX	59	65	57	59	60	72
240-5811-6	LLI01-BS06-0000-WSXX	60	62	58	61	58	69
240-5811-7	LLI01-BS07-0000-WSXX	55	49	56	58	27	46
240-5811-8	LLI01-BS08-0000-WSXX	55	60	57	57	54	54
240-5811-9	LLI01-BS09-0000-WSXX	51	51	51	53	46	61
240-5811-10	LLI01-BS10-0000-WSXX	36	20	40	34	13	57
240-5811-10 MS	LLI01-BS10-0000-WSXX	65	71	62	67	72	76
240-5811-10 MSD	LLI01-BS10-0000-WSXX	65	73	60	65	72	72
240-5811-11	LLI01-BS10-0000-WSFD	58	63	57	57	53	56
LCS 240-23079/17-A	Lab Control Sample	71	75	69	70	77	82
MB 240-23079/16-A	Method Blank	53	54	28	55	50	65

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)

2FP = 2-Fluorophenol (Surr)

TBP = 2,4,6-Tribromophenol (Surr)

Surrogate Summary

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

NBZ = Nitrobenzene-d5 (Surr)

PHL = Phenol-d5 (Surr)

TPH = Terphenyl-d14 (Surr)

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCX2 (23-136)	DCB2 (10-130)
240-5811-1	LLI01-BS01-0000-WSXX	78	37
240-5811-2	LLI01-BS02-0000-WSXX	47	27
240-5811-3	LLI01-BS03-0000-WSXX	79	28
240-5811-4	LLI01-BS04-0000-WSXX	82	53
240-5811-5	LLI01-BS05-0000-WSXX	90	55
240-5811-6	LLI01-BS06-0000-WSXX	52	16
240-5811-7	LLI01-BS07-0000-WSXX	65	26
240-5811-8	LLI01-BS08-0000-WSXX	80	52
240-5811-9	LLI01-BS09-0000-WSXX	80	57
240-5811-10	LLI01-BS10-0000-WSXX	73	47
240-5811-10 MS	LLI01-BS10-0000-WSXX	76	65
240-5811-10 MSD	LLI01-BS10-0000-WSXX	71	66
240-5811-11	LLI01-BS10-0000-WSFD	77	41
LCS 240-23071/21-A	Lab Control Sample	76	82
MB 240-23071/20-A	Method Blank	69	69

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCB = DCB Decachlorobiphenyl

QC Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

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

Lab Sample ID: MB 240-23979/5

Matrix: Water

Analysis Batch: 23979

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1.36	J	10	1.1	ug/L			11/18/11 13:46	1
Benzene	1.0	U	1.0	0.13	ug/L			11/18/11 13:46	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			11/18/11 13:46	1
Bromoform	1.0	U	1.0	0.64	ug/L			11/18/11 13:46	1
Bromomethane	1.0	U	1.0	0.41	ug/L			11/18/11 13:46	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			11/18/11 13:46	1
Carbon disulfide	5.0	U	5.0	0.13	ug/L			11/18/11 13:46	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			11/18/11 13:46	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			11/18/11 13:46	1
Chloroethane	1.0	U	1.0	0.29	ug/L			11/18/11 13:46	1
Chloroform	1.0	U	1.0	0.16	ug/L			11/18/11 13:46	1
Chloromethane	1.0	U	1.0	0.30	ug/L			11/18/11 13:46	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			11/18/11 13:46	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			11/18/11 13:46	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			11/18/11 13:46	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			11/18/11 13:46	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			11/18/11 13:46	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			11/18/11 13:46	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			11/18/11 13:46	1
2-Hexanone	10	U	10	0.41	ug/L			11/18/11 13:46	1
Methylene Chloride	5.0	U	5.0	0.33	ug/L			11/18/11 13:46	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			11/18/11 13:46	1
Styrene	1.0	U	1.0	0.11	ug/L			11/18/11 13:46	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			11/18/11 13:46	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			11/18/11 13:46	1
Toluene	1.0	U	1.0	0.13	ug/L			11/18/11 13:46	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			11/18/11 13:46	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			11/18/11 13:46	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			11/18/11 13:46	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			11/18/11 13:46	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			11/18/11 13:46	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			11/18/11 13:46	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			11/18/11 13:46	1
1,2-Dibromoethane	1.0	U	1.0	0.24	ug/L			11/18/11 13:46	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			11/18/11 13:46	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			11/18/11 13:46	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			11/18/11 13:46	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			11/18/11 13:46	1
Methyl acetate	10	U	10	0.38	ug/L			11/18/11 13:46	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			11/18/11 13:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			11/18/11 13:46	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			11/18/11 13:46	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			11/18/11 13:46	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			11/18/11 13:46	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			11/18/11 13:46	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			11/18/11 13:46	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			11/18/11 13:46	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			11/18/11 13:46	1

QC Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

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

Lab Sample ID: MB 240-23979/5

Matrix: Water

Analysis Batch: 23979

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		63 - 129		11/18/11 13:46	1
4-Bromofluorobenzene (Surr)	90		66 - 117		11/18/11 13:46	1
Toluene-d8 (Surr)	101		74 - 115		11/18/11 13:46	1
Dibromofluoromethane (Surr)	93		75 - 121		11/18/11 13:46	1

Lab Sample ID: LCS 240-23979/4

Matrix: Water

Analysis Batch: 23979

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	16.7		ug/L		84	43 - 136
Benzene	10.0	8.57		ug/L		86	83 - 112
Bromodichloromethane	10.0	8.92		ug/L		89	72 - 121
Bromoform	10.0	9.94		ug/L		99	40 - 131
Bromomethane	10.0	7.91		ug/L		79	11 - 185
2-Butanone (MEK)	20.0	15.4		ug/L		77	60 - 126
Carbon disulfide	10.0	8.50		ug/L		85	62 - 142
Carbon tetrachloride	10.0	9.77		ug/L		98	66 - 128
Chlorobenzene	10.0	9.80		ug/L		98	85 - 110
Chloroethane	10.0	6.42		ug/L		64	25 - 153
Chloroform	10.0	9.42		ug/L		94	79 - 117
Chloromethane	10.0	7.46		ug/L		75	44 - 126
1,1-Dichloroethane	10.0	8.59		ug/L		86	82 - 115
1,2-Dichloroethane	10.0	9.41		ug/L		94	71 - 127
1,1-Dichloroethene	10.0	9.04		ug/L		90	78 - 131
1,2-Dichloropropane	10.0	8.23		ug/L		82	81 - 115
cis-1,3-Dichloropropene	10.0	8.26		ug/L		83	61 - 115
trans-1,3-Dichloropropene	10.0	9.41		ug/L		94	58 - 117
Ethylbenzene	10.0	10.2		ug/L		102	83 - 112
2-Hexanone	20.0	17.5		ug/L		88	55 - 133
Methylene Chloride	10.0	8.43		ug/L		84	66 - 131
4-Methyl-2-pentanone (MIBK)	20.0	17.3		ug/L		87	63 - 128
Styrene	10.0	9.80		ug/L		98	79 - 114
1,1,2,2-Tetrachloroethane	10.0	8.53		ug/L		85	68 - 118
Tetrachloroethene	10.0	10.6		ug/L		106	79 - 114
Toluene	10.0	9.50		ug/L		95	84 - 111
Trichloroethene	10.0	9.01		ug/L		90	76 - 117
Vinyl chloride	10.0	8.66		ug/L		87	53 - 127
Xylenes, Total	30.0	29.2		ug/L		97	83 - 112
1,1,1-Trichloroethane	10.0	9.33		ug/L		93	74 - 118
1,1,2-Trichloroethane	10.0	9.67		ug/L		97	80 - 112
Cyclohexane	10.0	9.53		ug/L		95	54 - 121
1,2-Dibromo-3-Chloropropane	10.0	9.81		ug/L		98	42 - 136
1,2-Dibromoethane	10.0	9.54		ug/L		95	79 - 113
Dichlorodifluoromethane	10.0	7.64		ug/L		76	19 - 129
cis-1,2-Dichloroethene	10.0	8.63		ug/L		86	80 - 113
trans-1,2-Dichloroethene	10.0	8.61		ug/L		86	83 - 117
Isopropylbenzene	10.0	9.53		ug/L		95	75 - 114
Methyl acetate	10.0	7.27	J	ug/L		73	58 - 131

QC Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

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

Lab Sample ID: LCS 240-23979/4

Matrix: Water

Analysis Batch: 23979

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	10.0	8.69		ug/L		87	52 - 144
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	12.0		ug/L		120	74 - 151
1,2,4-Trichlorobenzene	10.0	9.30		ug/L		93	48 - 135
1,2-Dichlorobenzene	10.0	9.40		ug/L		94	81 - 110
1,3-Dichlorobenzene	10.0	9.49		ug/L		95	80 - 110
1,4-Dichlorobenzene	10.0	9.16		ug/L		92	82 - 110
Trichlorofluoromethane	10.0	10.5		ug/L		105	49 - 157
Dibromochloromethane	10.0	9.35		ug/L		94	64 - 119
Methylcyclohexane	10.0	10.3		ug/L		103	56 - 127

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		63 - 129
4-Bromofluorobenzene (Surr)	105		66 - 117
Toluene-d8 (Surr)	105		74 - 115
Dibromofluoromethane (Surr)	94		75 - 121

Lab Sample ID: 240-5811-10 MS

Matrix: Water

Analysis Batch: 23979

Client Sample ID: LLI01-BS10-0000-WSXX

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	10	U	20.0	16.6		ug/L		83	33 - 145
Benzene	1.0	U	10.0	8.60		ug/L		86	72 - 121
Bromodichloromethane	1.0	U	10.0	9.28		ug/L		93	67 - 120
Bromoform	1.0	U	10.0	9.32		ug/L		93	32 - 128
Bromomethane	1.0	U	10.0	6.87		ug/L		69	10 - 186
2-Butanone (MEK)	10	U	20.0	16.0		ug/L		80	54 - 129
Carbon disulfide	5.0	U	10.0	8.62		ug/L		86	57 - 147
Carbon tetrachloride	1.0	U	10.0	10.0		ug/L		100	59 - 129
Chlorobenzene	1.0	U	10.0	9.23		ug/L		92	80 - 110
Chloroethane	1.0	U	10.0	6.51		ug/L		65	21 - 165
Chloroform	1.0	U	10.0	9.75		ug/L		98	76 - 118
Chloromethane	1.0	U	10.0	7.79		ug/L		78	33 - 132
1,1-Dichloroethane	1.0	U	10.0	8.74		ug/L		87	79 - 116
1,2-Dichloroethane	1.0	U	10.0	9.65		ug/L		97	68 - 129
1,1-Dichloroethene	1.0	U	10.0	8.87		ug/L		89	74 - 135
1,2-Dichloropropane	1.0	U	10.0	8.49		ug/L		85	78 - 115
cis-1,3-Dichloropropene	1.0	U	10.0	8.02		ug/L		80	51 - 110
trans-1,3-Dichloropropene	1.0	U	10.0	8.80		ug/L		88	46 - 116
Ethylbenzene	1.0	U	10.0	9.13		ug/L		91	75 - 116
2-Hexanone	10	U	20.0	18.4		ug/L		92	47 - 139
Methylene Chloride	5.0	U	10.0	8.25		ug/L		83	63 - 128
4-Methyl-2-pentanone (MIBK)	10	U	20.0	17.7		ug/L		89	56 - 131
Styrene	1.0	U	10.0	9.34		ug/L		93	71 - 117
1,1,2,2-Tetrachloroethane	1.0	U	10.0	8.43		ug/L		84	63 - 122
Tetrachloroethene	1.0	U	10.0	10.1		ug/L		101	70 - 117
Toluene	1.0	U	10.0	8.98		ug/L		90	78 - 114
Trichloroethene	1.0	U	10.0	8.86		ug/L		89	66 - 120
Vinyl chloride	1.0	U	10.0	8.50		ug/L		85	49 - 130

QC Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

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

Lab Sample ID: 240-5811-10 MS

Matrix: Water

Analysis Batch: 23979

Client Sample ID: LLI01-BS10-0000-WSXX

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Xylenes, Total	2.0	U	30.0	27.4		ug/L		91	76 - 116
1,1,1-Trichloroethane	1.0	U	10.0	9.41		ug/L		94	68 - 121
1,1,2-Trichloroethane	1.0	U	10.0	9.15		ug/L		92	75 - 115
Cyclohexane	1.0	U	10.0	8.29		ug/L		83	49 - 123
1,2-Dibromo-3-Chloropropane	2.0	U	10.0	9.10		ug/L		91	32 - 139
1,2-Dibromoethane	1.0	U	10.0	9.08		ug/L		91	74 - 113
Dichlorodifluoromethane	1.0	U	10.0	7.02		ug/L		70	17 - 128
cis-1,2-Dichloroethene	1.0	U	10.0	8.63		ug/L		86	70 - 120
trans-1,2-Dichloroethene	1.0	U	10.0	8.96		ug/L		90	80 - 119
Isopropylbenzene	1.0	U	10.0	9.14		ug/L		91	68 - 116
Methyl acetate	10	U	10.0	6.56	J	ug/L		66	47 - 130
Methyl tert-butyl ether	5.0	U	10.0	8.94		ug/L		89	46 - 144
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	10.0	10.9		ug/L		109	70 - 152
1,2,4-Trichlorobenzene	1.0	U	10.0	8.63		ug/L		86	38 - 138
1,2-Dichlorobenzene	1.0	U	10.0	9.07		ug/L		91	75 - 111
1,3-Dichlorobenzene	1.0	U	10.0	9.15		ug/L		92	73 - 110
1,4-Dichlorobenzene	1.0	U	10.0	9.05		ug/L		91	75 - 110
Trichlorofluoromethane	1.0	U	10.0	9.97		ug/L		100	46 - 157
Dibromochloromethane	1.0	U	10.0	9.00		ug/L		90	56 - 118
Methylcyclohexane	1.0	U	10.0	8.25		ug/L		83	49 - 127

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		63 - 129
4-Bromofluorobenzene (Surr)	102		66 - 117
Toluene-d8 (Surr)	103		74 - 115
Dibromofluoromethane (Surr)	98		75 - 121

Lab Sample ID: 240-5811-10 MSD

Matrix: Water

Analysis Batch: 23979

Client Sample ID: LLI01-BS10-0000-WSXX

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	10	U	20.0	16.0		ug/L		80	33 - 145	4	30
Benzene	1.0	U	10.0	8.42		ug/L		84	72 - 121	2	30
Bromodichloromethane	1.0	U	10.0	8.97		ug/L		90	67 - 120	3	30
Bromoform	1.0	U	10.0	9.01		ug/L		90	32 - 128	3	30
Bromomethane	1.0	U	10.0	6.59		ug/L		66	10 - 186	4	30
2-Butanone (MEK)	10	U	20.0	15.7		ug/L		79	54 - 129	2	30
Carbon disulfide	5.0	U	10.0	8.36		ug/L		84	57 - 147	3	30
Carbon tetrachloride	1.0	U	10.0	9.45		ug/L		95	59 - 129	6	30
Chlorobenzene	1.0	U	10.0	9.06		ug/L		91	80 - 110	2	30
Chloroethane	1.0	U	10.0	5.96		ug/L		60	21 - 165	9	30
Chloroform	1.0	U	10.0	9.13		ug/L		91	76 - 118	7	30
Chloromethane	1.0	U	10.0	7.47		ug/L		75	33 - 132	4	30
1,1-Dichloroethane	1.0	U	10.0	8.52		ug/L		85	79 - 116	3	30
1,2-Dichloroethane	1.0	U	10.0	9.15		ug/L		92	68 - 129	5	30
1,1-Dichloroethene	1.0	U	10.0	8.75		ug/L		88	74 - 135	1	30
1,2-Dichloropropane	1.0	U	10.0	8.08		ug/L		81	78 - 115	5	30
cis-1,3-Dichloropropene	1.0	U	10.0	7.73		ug/L		77	51 - 110	4	30

QC Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

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

Lab Sample ID: 240-5811-10 MSD

Matrix: Water

Analysis Batch: 23979

Client Sample ID: LLI01-BS10-0000-WSXX

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
trans-1,3-Dichloropropene	1.0	U	10.0	8.89		ug/L		89	46 - 116	1	30
Ethylbenzene	1.0	U	10.0	9.29		ug/L		93	75 - 116	2	30
2-Hexanone	10	U	20.0	18.3		ug/L		92	47 - 139	1	30
Methylene Chloride	5.0	U	10.0	7.91		ug/L		79	63 - 128	4	30
4-Methyl-2-pentanone (MIBK)	10	U	20.0	17.2		ug/L		86	56 - 131	3	30
Styrene	1.0	U	10.0	9.18		ug/L		92	71 - 117	2	30
1,1,2,2-Tetrachloroethane	1.0	U	10.0	7.95		ug/L		80	63 - 122	6	30
Tetrachloroethene	1.0	U	10.0	9.62		ug/L		96	70 - 117	5	30
Toluene	1.0	U	10.0	8.82		ug/L		88	78 - 114	2	30
Trichloroethene	1.0	U	10.0	8.66		ug/L		87	66 - 120	2	30
Vinyl chloride	1.0	U	10.0	8.26		ug/L		83	49 - 130	3	30
Xylenes, Total	2.0	U	30.0	27.0		ug/L		90	76 - 116	2	30
1,1,1-Trichloroethane	1.0	U	10.0	9.00		ug/L		90	68 - 121	4	30
1,1,2-Trichloroethane	1.0	U	10.0	9.04		ug/L		90	75 - 115	1	30
Cyclohexane	1.0	U	10.0	7.98		ug/L		80	49 - 123	4	30
1,2-Dibromo-3-Chloropropane	2.0	U	10.0	8.86		ug/L		89	32 - 139	3	30
1,2-Dibromoethane	1.0	U	10.0	8.65		ug/L		87	74 - 113	5	30
Dichlorodifluoromethane	1.0	U	10.0	6.67		ug/L		67	17 - 128	5	30
cis-1,2-Dichloroethene	1.0	U	10.0	8.39		ug/L		84	70 - 120	3	30
trans-1,2-Dichloroethene	1.0	U	10.0	8.66		ug/L		87	80 - 119	3	30
Isopropylbenzene	1.0	U	10.0	8.87		ug/L		89	68 - 116	3	30
Methyl acetate	10	U	10.0	6.80	J	ug/L		68	47 - 130	4	30
Methyl tert-butyl ether	5.0	U	10.0	8.60		ug/L		86	46 - 144	4	30
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	10.0	10.4		ug/L		104	70 - 152	5	30
1,2,4-Trichlorobenzene	1.0	U	10.0	9.05		ug/L		91	38 - 138	5	30
1,2-Dichlorobenzene	1.0	U	10.0	9.03		ug/L		90	75 - 111	0	30
1,3-Dichlorobenzene	1.0	U	10.0	9.13		ug/L		91	73 - 110	0	30
1,4-Dichlorobenzene	1.0	U	10.0	8.82		ug/L		88	75 - 110	3	30
Trichlorofluoromethane	1.0	U	10.0	8.88		ug/L		89	46 - 157	12	30
Dibromochloromethane	1.0	U	10.0	9.49		ug/L		95	56 - 118	5	30
Methylcyclohexane	1.0	U	10.0	7.95		ug/L		80	49 - 127	4	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	94		63 - 129
4-Bromofluorobenzene (Surr)	99		66 - 117
Toluene-d8 (Surr)	98		74 - 115
Dibromofluoromethane (Surr)	91		75 - 121

Lab Sample ID: MB 240-24252/5

Matrix: Water

Analysis Batch: 24252

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			11/22/11 00:41	1
Benzene	1.0	U	1.0	0.13	ug/L			11/22/11 00:41	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			11/22/11 00:41	1
Bromoform	1.0	U	1.0	0.64	ug/L			11/22/11 00:41	1
Bromomethane	1.0	U	1.0	0.41	ug/L			11/22/11 00:41	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			11/22/11 00:41	1

QC Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

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

Lab Sample ID: MB 240-24252/5

Matrix: Water

Analysis Batch: 24252

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	5.0	U	5.0	0.13	ug/L			11/22/11 00:41	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			11/22/11 00:41	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			11/22/11 00:41	1
Chloroethane	1.0	U	1.0	0.29	ug/L			11/22/11 00:41	1
Chloroform	1.0	U	1.0	0.16	ug/L			11/22/11 00:41	1
Chloromethane	1.0	U	1.0	0.30	ug/L			11/22/11 00:41	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			11/22/11 00:41	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			11/22/11 00:41	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			11/22/11 00:41	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			11/22/11 00:41	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			11/22/11 00:41	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			11/22/11 00:41	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			11/22/11 00:41	1
2-Hexanone	10	U	10	0.41	ug/L			11/22/11 00:41	1
Methylene Chloride	1.46	J	5.0	0.33	ug/L			11/22/11 00:41	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			11/22/11 00:41	1
Styrene	1.0	U	1.0	0.11	ug/L			11/22/11 00:41	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			11/22/11 00:41	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			11/22/11 00:41	1
Toluene	1.0	U	1.0	0.13	ug/L			11/22/11 00:41	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			11/22/11 00:41	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			11/22/11 00:41	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			11/22/11 00:41	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			11/22/11 00:41	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			11/22/11 00:41	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			11/22/11 00:41	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			11/22/11 00:41	1
1,2-Dibromoethane	1.0	U	1.0	0.24	ug/L			11/22/11 00:41	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			11/22/11 00:41	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			11/22/11 00:41	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			11/22/11 00:41	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			11/22/11 00:41	1
Methyl acetate	10	U	10	0.38	ug/L			11/22/11 00:41	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			11/22/11 00:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			11/22/11 00:41	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			11/22/11 00:41	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			11/22/11 00:41	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			11/22/11 00:41	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			11/22/11 00:41	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			11/22/11 00:41	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			11/22/11 00:41	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			11/22/11 00:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		63 - 129		11/22/11 00:41	1
4-Bromofluorobenzene (Surr)	92		66 - 117		11/22/11 00:41	1
Toluene-d8 (Surr)	103		74 - 115		11/22/11 00:41	1
Dibromofluoromethane (Surr)	106		75 - 121		11/22/11 00:41	1

QC Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

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

Lab Sample ID: LCS 240-24252/4

Matrix: Water

Analysis Batch: 24252

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	17.1		ug/L		86	43 - 136
Benzene	10.0	10.4		ug/L		104	83 - 112
Bromodichloromethane	10.0	9.68		ug/L		97	72 - 121
Bromoform	10.0	7.99		ug/L		80	40 - 131
Bromomethane	10.0	7.04		ug/L		70	11 - 185
2-Butanone (MEK)	20.0	17.2		ug/L		86	60 - 126
Carbon disulfide	10.0	8.75		ug/L		88	62 - 142
Carbon tetrachloride	10.0	7.71		ug/L		77	66 - 128
Chlorobenzene	10.0	9.50		ug/L		95	85 - 110
Chloroethane	10.0	8.60		ug/L		86	25 - 153
Chloroform	10.0	10.9		ug/L		109	79 - 117
Chloromethane	10.0	9.29		ug/L		93	44 - 126
1,1-Dichloroethane	10.0	10.4		ug/L		104	82 - 115
1,2-Dichloroethane	10.0	10.4		ug/L		104	71 - 127
1,1-Dichloroethene	10.0	10.5		ug/L		105	78 - 131
1,2-Dichloropropane	10.0	10.1		ug/L		101	81 - 115
cis-1,3-Dichloropropene	10.0	8.11		ug/L		81	61 - 115
trans-1,3-Dichloropropene	10.0	8.35		ug/L		84	58 - 117
Ethylbenzene	10.0	9.56		ug/L		96	83 - 112
2-Hexanone	20.0	18.0		ug/L		90	55 - 133
Methylene Chloride	10.0	11.0		ug/L		110	66 - 131
4-Methyl-2-pentanone (MIBK)	20.0	17.9		ug/L		90	63 - 128
Styrene	10.0	8.60		ug/L		86	79 - 114
1,1,2,2-Tetrachloroethane	10.0	9.32		ug/L		93	68 - 118
Tetrachloroethene	10.0	10.3		ug/L		103	79 - 114
Toluene	10.0	9.96		ug/L		100	84 - 111
Trichloroethene	10.0	9.55		ug/L		96	76 - 117
Vinyl chloride	10.0	8.43		ug/L		84	53 - 127
Xylenes, Total	30.0	28.0		ug/L		93	83 - 112
1,1,1-Trichloroethane	10.0	8.49		ug/L		85	74 - 118
1,1,2-Trichloroethane	10.0	9.68		ug/L		97	80 - 112
Cyclohexane	10.0	10.8		ug/L		108	54 - 121
1,2-Dibromo-3-Chloropropane	10.0	8.29		ug/L		83	42 - 136
1,2-Dibromoethane	10.0	9.25		ug/L		93	79 - 113
Dichlorodifluoromethane	10.0	6.84		ug/L		68	19 - 129
cis-1,2-Dichloroethene	10.0	9.58		ug/L		96	80 - 113
trans-1,2-Dichloroethene	10.0	10.3		ug/L		103	83 - 117
Isopropylbenzene	10.0	9.54		ug/L		95	75 - 114
Methyl acetate	10.0	10.7		ug/L		107	58 - 131
Methyl tert-butyl ether	10.0	9.27		ug/L		93	52 - 144
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	12.1		ug/L		121	74 - 151
1,2,4-Trichlorobenzene	10.0	8.59		ug/L		86	48 - 135
1,2-Dichlorobenzene	10.0	9.35		ug/L		94	81 - 110
1,3-Dichlorobenzene	10.0	9.07		ug/L		91	80 - 110
1,4-Dichlorobenzene	10.0	8.99		ug/L		90	82 - 110
Trichlorofluoromethane	10.0	7.08		ug/L		71	49 - 157
Dibromochloromethane	10.0	9.16		ug/L		92	64 - 119
Methylcyclohexane	10.0	11.1		ug/L		111	56 - 127

QC Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

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

Lab Sample ID: LCS 240-24252/4

Matrix: Water

Analysis Batch: 24252

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	109		63 - 129
4-Bromofluorobenzene (Surr)	105		66 - 117
Toluene-d8 (Surr)	106		74 - 115
Dibromofluoromethane (Surr)	105		75 - 121

Method: 8270C - TCL Semivolatile Compounds (OLMO4.2)

Lab Sample ID: MB 240-23079/16-A

Matrix: Water

Analysis Batch: 23465

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 23079

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	5.0	U	5.0	0.80	ug/L		11/14/11 08:52	11/16/11 10:05	1
2,2'-oxybis[1-chloropropane]	5.0	U	5.0	0.40	ug/L		11/14/11 08:52	11/16/11 10:05	1
2,4,5-Trichlorophenol	5.0	U	5.0	0.30	ug/L		11/14/11 08:52	11/16/11 10:05	1
2,4,6-Trichlorophenol	4.0	U	4.0	0.80	ug/L		11/14/11 08:52	11/16/11 10:05	1
2,4-Dichlorophenol	10	U	10	0.80	ug/L		11/14/11 08:52	11/16/11 10:05	1
2,4-Dimethylphenol	5.0	U	5.0	0.80	ug/L		11/14/11 08:52	11/16/11 10:05	1
2,4-Dinitrophenol	20	U	20	2.4	ug/L		11/14/11 08:52	11/16/11 10:05	1
2,4-Dinitrotoluene	5.0	U	5.0	0.27	ug/L		11/14/11 08:52	11/16/11 10:05	1
2,6-Dinitrotoluene	5.0	U	5.0	0.80	ug/L		11/14/11 08:52	11/16/11 10:05	1
2-Chloronaphthalene	5.0	U	5.0	0.10	ug/L		11/14/11 08:52	11/16/11 10:05	1
2-Chlorophenol	5.0	U	5.0	0.29	ug/L		11/14/11 08:52	11/16/11 10:05	1
2-Methylnaphthalene	5.0	U	5.0	0.10	ug/L		11/14/11 08:52	11/16/11 10:05	1
2-Methylphenol	5.0	U	5.0	0.80	ug/L		11/14/11 08:52	11/16/11 10:05	1
2-Nitroaniline	20	U	20	0.80	ug/L		11/14/11 08:52	11/16/11 10:05	1
2-Nitrophenol	5.0	U	5.0	0.28	ug/L		11/14/11 08:52	11/16/11 10:05	1
3,3'-Dichlorobenzidine	1.0	U	1.0	0.37	ug/L		11/14/11 08:52	11/16/11 10:05	1
3-Nitroaniline	20	U	20	0.28	ug/L		11/14/11 08:52	11/16/11 10:05	1
4,6-Dinitro-2-methylphenol	20	U	20	2.4	ug/L		11/14/11 08:52	11/16/11 10:05	1
4-Bromophenyl phenyl ether	5.0	U	5.0	0.80	ug/L		11/14/11 08:52	11/16/11 10:05	1
4-Chloro-3-methylphenol	5.0	U	5.0	0.80	ug/L		11/14/11 08:52	11/16/11 10:05	1
4-Chloroaniline	10	U	10	0.80	ug/L		11/14/11 08:52	11/16/11 10:05	1
4-Chlorophenyl phenyl ether	5.0	U	5.0	0.30	ug/L		11/14/11 08:52	11/16/11 10:05	1
4-Nitroaniline	20	U	20	0.80	ug/L		11/14/11 08:52	11/16/11 10:05	1
4-Nitrophenol	20	U	20	2.4	ug/L		11/14/11 08:52	11/16/11 10:05	1
Acenaphthene	5.0	U	5.0	0.10	ug/L		11/14/11 08:52	11/16/11 10:05	1
Acenaphthylene	5.0	U	5.0	0.10	ug/L		11/14/11 08:52	11/16/11 10:05	1
Acetophenone	5.0	U	5.0	0.34	ug/L		11/14/11 08:52	11/16/11 10:05	1
Anthracene	5.0	U	5.0	0.10	ug/L		11/14/11 08:52	11/16/11 10:05	1
Atrazine	3.0	U	3.0	0.34	ug/L		11/14/11 08:52	11/16/11 10:05	1
Benzaldehyde	5.0	U	5.0	0.39	ug/L		11/14/11 08:52	11/16/11 10:05	1
Benzo[a]anthracene	1.0	U	1.0	0.10	ug/L		11/14/11 08:52	11/16/11 10:05	1
Benzo[a]pyrene	1.0	U	1.0	0.10	ug/L		11/14/11 08:52	11/16/11 10:05	1
Benzo[b]fluoranthene	1.0	U	1.0	0.10	ug/L		11/14/11 08:52	11/16/11 10:05	1
Benzo[g,h,i]perylene	1.0	U	1.0	0.10	ug/L		11/14/11 08:52	11/16/11 10:05	1
Benzo[k]fluoranthene	1.0	U	1.0	0.10	ug/L		11/14/11 08:52	11/16/11 10:05	1
Bis(2-chloroethoxy)methane	5.0	U	5.0	0.32	ug/L		11/14/11 08:52	11/16/11 10:05	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.10	ug/L		11/14/11 08:52	11/16/11 10:05	1

QC Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Method: 8270C - TCL Semivolatile Compounds (OLMO4.2) (Continued)

Lab Sample ID: MB 240-23079/16-A

Matrix: Water

Analysis Batch: 23465

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 23079

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	5.0	U	5.0	0.80	ug/L		11/14/11 08:52	11/16/11 10:05	1
Butyl benzyl phthalate	5.0	U	5.0	0.80	ug/L		11/14/11 08:52	11/16/11 10:05	1
Caprolactam	10	U	10	0.80	ug/L		11/14/11 08:52	11/16/11 10:05	1
Carbazole	10	U	10	0.28	ug/L		11/14/11 08:52	11/16/11 10:05	1
Chrysene	1.0	U	1.0	0.10	ug/L		11/14/11 08:52	11/16/11 10:05	1
Dibenz(a,h)anthracene	2.0	U	2.0	0.10	ug/L		11/14/11 08:52	11/16/11 10:05	1
Dibenzofuran	4.0	U	4.0	0.10	ug/L		11/14/11 08:52	11/16/11 10:05	1
Diethyl phthalate	5.0	U	5.0	0.60	ug/L		11/14/11 08:52	11/16/11 10:05	1
Dimethyl phthalate	5.0	U	5.0	0.29	ug/L		11/14/11 08:52	11/16/11 10:05	1
Di-n-butyl phthalate	5.0	U	5.0	0.67	ug/L		11/14/11 08:52	11/16/11 10:05	1
Di-n-octyl phthalate	5.0	U	5.0	0.80	ug/L		11/14/11 08:52	11/16/11 10:05	1
Fluoranthene	1.0	U	1.0	0.10	ug/L		11/14/11 08:52	11/16/11 10:05	1
Fluorene	5.0	U	5.0	0.10	ug/L		11/14/11 08:52	11/16/11 10:05	1
Hexachlorobenzene	0.20	U	0.20	0.10	ug/L		11/14/11 08:52	11/16/11 10:05	1
Hexachlorobutadiene	1.0	U	1.0	0.27	ug/L		11/14/11 08:52	11/16/11 10:05	1
Hexachlorocyclopentadiene	5.0	U	5.0	0.80	ug/L		11/14/11 08:52	11/16/11 10:05	1
Hexachloroethane	5.0	U	5.0	0.80	ug/L		11/14/11 08:52	11/16/11 10:05	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.10	ug/L		11/14/11 08:52	11/16/11 10:05	1
Isophorone	5.0	U	5.0	0.27	ug/L		11/14/11 08:52	11/16/11 10:05	1
Naphthalene	5.0	U	5.0	0.10	ug/L		11/14/11 08:52	11/16/11 10:05	1
Nitrobenzene	3.0	U	3.0	0.040	ug/L		11/14/11 08:52	11/16/11 10:05	1
N-Nitrosodi-n-propylamine	5.0	U	5.0	0.80	ug/L		11/14/11 08:52	11/16/11 10:05	1
N-Nitrosodiphenylamine	5.0	U	5.0	0.31	ug/L		11/14/11 08:52	11/16/11 10:05	1
Pentachlorophenol	5.0	U	5.0	2.4	ug/L		11/14/11 08:52	11/16/11 10:05	1
Phenol	5.0	U	5.0	0.60	ug/L		11/14/11 08:52	11/16/11 10:05	1
Phenanthrene	2.0	U	2.0	0.10	ug/L		11/14/11 08:52	11/16/11 10:05	1
Pyrene	5.0	U	5.0	0.10	ug/L		11/14/11 08:52	11/16/11 10:05	1
3 & 4 Methylphenol	5.0	U	5.0	0.75	ug/L		11/14/11 08:52	11/16/11 10:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	53		28 - 110	11/14/11 08:52	11/16/11 10:05	1
2-Fluorophenol (Surr)	54		10 - 110	11/14/11 08:52	11/16/11 10:05	1
2,4,6-Tribromophenol (Surr)	28		22 - 120	11/14/11 08:52	11/16/11 10:05	1
Nitrobenzene-d5 (Surr)	55		27 - 111	11/14/11 08:52	11/16/11 10:05	1
Phenol-d5 (Surr)	50		10 - 110	11/14/11 08:52	11/16/11 10:05	1
Terphenyl-d14 (Surr)	65		37 - 119	11/14/11 08:52	11/16/11 10:05	1

Lab Sample ID: LCS 240-23079/17-A

Matrix: Water

Analysis Batch: 23465

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 23079

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	20.0	13.9		ug/L		70	50 - 130
2,2'-oxybis[1-chloropropane]	20.0	15.5		ug/L		77	25 - 128
2,4,5-Trichlorophenol	20.0	13.5		ug/L		68	39 - 110
2,4,6-Trichlorophenol	20.0	13.3		ug/L		66	35 - 110
2,4-Dichlorophenol	20.0	14.3		ug/L		72	33 - 110
2,4-Dimethylphenol	20.0	12.0		ug/L		60	12 - 110
2,4-Dinitrophenol	20.0	7.78	J	ug/L		39	17 - 112

QC Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Method: 8270C - TCL Semivolatile Compounds (OLMO4.2) (Continued)

Lab Sample ID: LCS 240-23079/17-A

Matrix: Water

Analysis Batch: 23465

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 23079

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dinitrotoluene	20.0	16.0		ug/L		80	52 - 123
2,6-Dinitrotoluene	20.0	16.1		ug/L		80	52 - 119
2-Chloronaphthalene	20.0	15.0		ug/L		75	39 - 110
2-Chlorophenol	20.0	15.3		ug/L		77	27 - 110
2-Methylnaphthalene	20.0	15.1		ug/L		75	35 - 110
2-Methylphenol	20.0	15.5		ug/L		77	30 - 110
2-Nitroaniline	20.0	15.1	J	ug/L		76	43 - 130
2-Nitrophenol	20.0	13.4		ug/L		67	29 - 110
3,3'-Dichlorobenzidine	20.0	7.64		ug/L		38	19 - 110
3-Nitroaniline	20.0	14.2	J	ug/L		71	45 - 116
4,6-Dinitro-2-methylphenol	20.0	9.64	J	ug/L		48	28 - 112
4-Bromophenyl phenyl ether	20.0	14.7		ug/L		73	51 - 114
4-Chloro-3-methylphenol	20.0	14.1		ug/L		70	39 - 110
4-Chloroaniline	20.0	12.7		ug/L		64	10 - 110
4-Chlorophenyl phenyl ether	20.0	14.8		ug/L		74	50 - 115
4-Nitroaniline	20.0	13.2	J	ug/L		66	45 - 120
4-Nitrophenol	20.0	7.34	J	ug/L		37	12 - 130
Acenaphthene	20.0	14.6		ug/L		73	40 - 110
Acenaphthylene	20.0	14.9		ug/L		74	43 - 110
Acetophenone	20.0	15.3		ug/L		76	50 - 130
Anthracene	20.0	14.6		ug/L		73	54 - 114
Atrazine	20.0	16.9		ug/L		84	50 - 130
Benzaldehyde	20.0	21.2		ug/L		106	10 - 130
Benzo[a]anthracene	20.0	13.9		ug/L		69	55 - 115
Benzo[a]pyrene	20.0	13.2		ug/L		66	43 - 116
Benzo[b]fluoranthene	20.0	14.8		ug/L		74	43 - 122
Benzo[g,h,i]perylene	20.0	15.7		ug/L		78	45 - 120
Benzo[k]fluoranthene	20.0	16.2		ug/L		81	43 - 124
Bis(2-chloroethoxy)methane	20.0	15.1		ug/L		76	39 - 110
Bis(2-chloroethyl)ether	20.0	17.6		ug/L		88	34 - 113
Bis(2-ethylhexyl) phthalate	20.0	15.9		ug/L		79	36 - 163
Butyl benzyl phthalate	20.0	15.9		ug/L		80	53 - 126
Caprolactam	20.0	7.82	J *	ug/L		39	50 - 130
Carbazole	20.0	14.7		ug/L		73	53 - 120
Chrysene	20.0	15.3		ug/L		76	55 - 115
Dibenz(a,h)anthracene	20.0	14.5		ug/L		72	46 - 122
Dibenzofuran	20.0	14.9		ug/L		74	46 - 111
Diethyl phthalate	20.0	15.6		ug/L		78	33 - 134
Dimethyl phthalate	20.0	15.4		ug/L		77	15 - 143
Di-n-butyl phthalate	20.0	15.5		ug/L		78	55 - 122
Di-n-octyl phthalate	20.0	14.6		ug/L		73	44 - 128
Fluoranthene	20.0	15.3		ug/L		77	54 - 122
Fluorene	20.0	15.1		ug/L		75	47 - 112
Hexachlorobenzene	20.0	14.4		ug/L		72	51 - 112
Hexachlorobutadiene	20.0	14.1		ug/L		71	13 - 110
Hexachlorocyclopentadiene	20.0	6.22		ug/L		31	10 - 110
Hexachloroethane	20.0	14.1		ug/L		71	12 - 110
Indeno[1,2,3-cd]pyrene	20.0	15.0		ug/L		75	46 - 121
Isophorone	20.0	15.1		ug/L		76	44 - 128
Naphthalene	20.0	14.8		ug/L		74	31 - 110

QC Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Method: 8270C - TCL Semivolatile Compounds (OLMO4.2) (Continued)

Lab Sample ID: LCS 240-23079/17-A

Matrix: Water

Analysis Batch: 23465

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 23079

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrobenzene	20.0	15.5		ug/L		78	37 - 115
N-Nitrosodi-n-propylamine	20.0	15.8		ug/L		79	37 - 121
N-Nitrosodiphenylamine	20.0	13.4		ug/L		67	53 - 113
Pentachlorophenol	20.0	8.06		ug/L		40	26 - 110
Phenol	20.0	16.0		ug/L		80	14 - 112
Phenanthrene	20.0	14.9		ug/L		74	52 - 114
Pyrene	20.0	14.6		ug/L		73	55 - 120
3 & 4 Methylphenol	40.0	28.6		ug/L		72	32 - 110

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	71		28 - 110
2-Fluorophenol (Surr)	75		10 - 110
2,4,6-Tribromophenol (Surr)	69		22 - 120
Nitrobenzene-d5 (Surr)	70		27 - 111
Phenol-d5 (Surr)	77		10 - 110
Terphenyl-d14 (Surr)	82		37 - 119

Lab Sample ID: 240-5811-10 MS

Matrix: Water

Analysis Batch: 23465

Client Sample ID: LLI01-BS10-0000-WSXX

Prep Type: Total/NA

Prep Batch: 23079

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	4.8	U	38.1	23.7		ug/L		62	50 - 130
2,2'-oxybis[1-chloropropane]	4.8	U	38.1	28.1		ug/L		74	25 - 128
2,4,5-Trichlorophenol	4.8	U	38.1	27.8		ug/L		73	36 - 110
2,4,6-Trichlorophenol	3.8	U	38.1	23.2		ug/L		61	34 - 110
2,4-Dichlorophenol	9.5	U	38.1	26.7		ug/L		70	30 - 110
2,4-Dimethylphenol	4.8	U	38.1	24.6		ug/L		65	11 - 110
2,4-Dinitrophenol	19	U	38.1	38	U F	ug/L		0	11 - 119
2,4-Dinitrotoluene	4.8	U	38.1	28.4		ug/L		75	46 - 119
2,6-Dinitrotoluene	4.8	U	38.1	28.1		ug/L		74	48 - 115
2-Chloronaphthalene	4.8	U	38.1	25.9		ug/L		68	34 - 110
2-Chlorophenol	4.8	U	38.1	28.1		ug/L		74	26 - 110
2-Methylnaphthalene	4.8	U	38.1	27.1		ug/L		71	35 - 110
2-Methylphenol	4.8	U	38.1	37.9		ug/L		100	26 - 110
2-Nitroaniline	19	U	38.1	27.7	J	ug/L		73	31 - 129
2-Nitrophenol	4.8	U	38.1	24.2		ug/L		64	30 - 110
3,3'-Dichlorobenzidine	0.95	U	38.1	1.9	U F	ug/L		0	10 - 110
3-Nitroaniline	19	U	38.1	24.2	J	ug/L		64	23 - 112
4,6-Dinitro-2-methylphenol	19	U	38.1	11.1	J	ug/L		29	25 - 110
4-Bromophenyl phenyl ether	4.8	U	38.1	26.4		ug/L		69	42 - 113
4-Chloro-3-methylphenol	4.8	U	38.1	27.2		ug/L		72	33 - 110
4-Chloroaniline	9.5	U	38.1	21.6		ug/L		57	10 - 110
4-Chlorophenyl phenyl ether	4.8	U	38.1	26.0		ug/L		68	43 - 113
4-Nitroaniline	19	U	38.1	24.8	J	ug/L		65	26 - 115
4-Nitrophenol	19	U	38.1	38	U F	ug/L		0	13 - 127
Acenaphthene	4.8	U	38.1	25.3		ug/L		66	36 - 110
Acenaphthylene	4.8	U	38.1	25.6		ug/L		67	39 - 110
Acetophenone	4.8	U	38.1	27.7		ug/L		73	50 - 130

QC Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Method: 8270C - TCL Semivolatile Compounds (OLMO4.2) (Continued)

Lab Sample ID: 240-5811-10 MS

Matrix: Water

Analysis Batch: 23465

Client Sample ID: LLI01-BS10-0000-WSXX

Prep Type: Total/NA

Prep Batch: 23079

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	
	Result	Qualifier	Added	Result	Qualifier				Limits	
Anthracene	4.8	U	38.1	26.1		ug/L		68	46 - 110	
Atrazine	2.9	U	38.1	30.5		ug/L		80	50 - 130	
Benzaldehyde	4.8	U	38.1	37.0		ug/L		97	10 - 130	
Benzo[a]anthracene	0.95	U	38.1	25.4		ug/L		67	52 - 110	
Benzo[a]pyrene	0.95	U	38.1	21.9		ug/L		58	33 - 110	
Benzo[b]fluoranthene	0.95	U	38.1	26.9		ug/L		71	33 - 114	
Benzo[g,h,i]perylene	0.95	U	38.1	26.5		ug/L		70	34 - 116	
Benzo[k]fluoranthene	0.95	U	38.1	28.6		ug/L		75	32 - 121	
Bis(2-chloroethoxy)methane	4.8	U	38.1	26.8		ug/L		70	35 - 110	
Bis(2-chloroethyl)ether	0.95	U	38.1	30.5		ug/L		80	27 - 110	
Bis(2-ethylhexyl) phthalate	0.76	J	38.1	28.8		ug/L		76	40 - 140	
Butyl benzyl phthalate	4.8	U	38.1	30.1		ug/L		79	51 - 121	
Caprolactam	9.5	U *	38.1	20.1		ug/L		53	50 - 130	
Carbazole	9.5	U	38.1	26.5		ug/L		70	49 - 114	
Chrysene	0.95	U	38.1	27.1		ug/L		71	52 - 111	
Dibenz(a,h)anthracene	1.9	U	38.1	25.3		ug/L		67	35 - 118	
Dibenzofuran	3.8	U	38.1	26.3		ug/L		69	41 - 110	
Diethyl phthalate	4.8	U	38.1	27.6		ug/L		73	33 - 130	
Dimethyl phthalate	4.8	U	38.1	27.3		ug/L		72	36 - 124	
Di-n-butyl phthalate	4.8	U	38.1	28.6		ug/L		75	50 - 117	
Di-n-octyl phthalate	4.8	U	38.1	28.6		ug/L		75	36 - 124	
Fluoranthene	0.95	U	38.1	27.1		ug/L		71	53 - 111	
Fluorene	4.8	U	38.1	26.6		ug/L		70	43 - 110	
Hexachlorobenzene	0.19	U	38.1	25.9		ug/L		68	40 - 113	
Hexachlorobutadiene	0.95	U	38.1	25.0		ug/L		66	14 - 110	
Hexachlorocyclopentadiene	4.8	U	38.1	5.52	J	ug/L		15	10 - 110	
Hexachloroethane	4.8	U	38.1	26.0		ug/L		68	10 - 110	
Indeno[1,2,3-cd]pyrene	1.9	U	38.1	25.8		ug/L		68	36 - 116	
Isophorone	4.8	U	38.1	26.6		ug/L		70	34 - 125	
Naphthalene	4.8	U	38.1	26.9		ug/L		71	32 - 110	
Nitrobenzene	2.9	U	38.1	28.6		ug/L		75	26 - 118	
N-Nitrosodi-n-propylamine	4.8	U	38.1	29.1		ug/L		76	25 - 119	
N-Nitrosodiphenylamine	4.8	U	38.1	23.5		ug/L		62	28 - 118	
Pentachlorophenol	4.8	U	38.1	22.4		ug/L		59	23 - 110	
Phenol	4.8	U	38.1	28.2		ug/L		74	16 - 110	
Phenanthrene	1.9	U	38.1	27.3		ug/L		72	47 - 110	
Pyrene	4.8	U	38.1	26.7		ug/L		70	54 - 115	
3 & 4 Methylphenol	4.8	U	76.2	59.0		ug/L		78	25 - 110	

Surrogate	MS	MS	Limits
%Recovery	Qualifier		
2-Fluorobiphenyl (Surr)	65		28 - 110
2-Fluorophenol (Surr)	71		10 - 110
2,4,6-Tribromophenol (Surr)	62		22 - 120
Nitrobenzene-d5 (Surr)	67		27 - 111
Phenol-d5 (Surr)	72		10 - 110
Terphenyl-d14 (Surr)	76		37 - 119

QC Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Method: 8270C - TCL Semivolatile Compounds (OLMO4.2) (Continued)

Lab Sample ID: 240-5811-10 MSD

Matrix: Water

Analysis Batch: 23465

Client Sample ID: LLI01-BS10-0000-WSXX

Prep Type: Total/NA

Prep Batch: 23079

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
1,1'-Biphenyl	4.8	U	38.1	23.9		ug/L		63	50 - 130	1	30
2,2'-oxybis[1-chloropropane]	4.8	U	38.1	28.4		ug/L		75	25 - 128	1	30
2,4,5-Trichlorophenol	4.8	U	38.1	26.8		ug/L		70	36 - 110	4	30
2,4,6-Trichlorophenol	3.8	U	38.1	22.7		ug/L		60	34 - 110	2	30
2,4-Dichlorophenol	9.5	U	38.1	26.0		ug/L		68	30 - 110	3	30
2,4-Dimethylphenol	4.8	U	38.1	23.0		ug/L		61	11 - 110	7	30
2,4-Dinitrophenol	19	U	38.1	38	U F	ug/L		0	11 - 119	NC	30
2,4-Dinitrotoluene	4.8	U	38.1	28.1		ug/L		74	46 - 119	1	30
2,6-Dinitrotoluene	4.8	U	38.1	28.2		ug/L		74	48 - 115	0	30
2-Chloronaphthalene	4.8	U	38.1	25.9		ug/L		68	34 - 110	0	30
2-Chlorophenol	4.8	U	38.1	28.3		ug/L		74	26 - 110	1	30
2-Methylnaphthalene	4.8	U	38.1	27.0		ug/L		71	35 - 110	0	30
2-Methylphenol	4.8	U	38.1	29.3		ug/L		77	26 - 110	26	30
2-Nitroaniline	19	U	38.1	27.5	J	ug/L		72	31 - 129	1	30
2-Nitrophenol	4.8	U	38.1	24.0		ug/L		63	30 - 110	1	30
3,3'-Dichlorobenzidine	0.95	U	38.1	1.9	U F	ug/L		0	10 - 110	NC	30
3-Nitroaniline	19	U	38.1	24.2	J	ug/L		63	23 - 112	0	30
4,6-Dinitro-2-methylphenol	19	U	38.1	10.4	J	ug/L		27	25 - 110	7	30
4-Bromophenyl phenyl ether	4.8	U	38.1	24.8		ug/L		65	42 - 113	6	30
4-Chloro-3-methylphenol	4.8	U	38.1	27.6		ug/L		72	33 - 110	1	30
4-Chloroaniline	9.5	U	38.1	21.9		ug/L		58	10 - 110	2	30
4-Chlorophenyl phenyl ether	4.8	U	38.1	25.7		ug/L		68	43 - 113	1	30
4-Nitroaniline	19	U	38.1	25.0	J	ug/L		66	26 - 115	0	30
4-Nitrophenol	19	U	38.1	38	U F	ug/L		0	13 - 127	NC	30
Acenaphthene	4.8	U	38.1	25.1		ug/L		66	36 - 110	1	30
Acenaphthylene	4.8	U	38.1	25.3		ug/L		66	39 - 110	1	30
Acetophenone	4.8	U	38.1	28.3		ug/L		74	50 - 130	2	30
Anthracene	4.8	U	38.1	25.4		ug/L		67	46 - 110	2	30
Atrazine	2.9	U	38.1	29.7		ug/L		78	50 - 130	3	30
Benzaldehyde	4.8	U	38.1	35.5		ug/L		93	10 - 130	4	30
Benzo[a]anthracene	0.95	U	38.1	24.5		ug/L		64	52 - 110	4	30
Benzo[a]pyrene	0.95	U	38.1	21.1		ug/L		56	33 - 110	4	30
Benzo[b]fluoranthene	0.95	U	38.1	26.2		ug/L		69	33 - 114	2	30
Benzo[g,h,i]perylene	0.95	U	38.1	25.8		ug/L		68	34 - 116	3	30
Benzo[k]fluoranthene	0.95	U	38.1	27.8		ug/L		73	32 - 121	3	30
Bis(2-chloroethoxy)methane	4.8	U	38.1	26.7		ug/L		70	35 - 110	0	30
Bis(2-chloroethyl)ether	0.95	U	38.1	33.9		ug/L		89	27 - 110	11	30
Bis(2-ethylhexyl) phthalate	0.76	J	38.1	27.1		ug/L		71	40 - 140	6	30
Butyl benzyl phthalate	4.8	U	38.1	28.2		ug/L		74	51 - 121	6	30
Caprolactam	9.5	U *	38.1	19.7		ug/L		52	50 - 130	2	30
Carbazole	9.5	U	38.1	25.5		ug/L		67	49 - 114	4	30
Chrysene	0.95	U	38.1	26.9		ug/L		71	52 - 111	1	30
Dibenz(a,h)anthracene	1.9	U	38.1	24.3		ug/L		64	35 - 118	4	30
Dibenzofuran	3.8	U	38.1	26.1		ug/L		69	41 - 110	1	30
Diethyl phthalate	4.8	U	38.1	27.3		ug/L		72	33 - 130	1	30
Dimethyl phthalate	4.8	U	38.1	27.1		ug/L		71	36 - 124	1	30
Di-n-butyl phthalate	4.8	U	38.1	27.0		ug/L		71	50 - 117	5	30
Di-n-octyl phthalate	4.8	U	38.1	27.0		ug/L		71	36 - 124	6	30
Fluoranthene	0.95	U	38.1	25.9		ug/L		68	53 - 111	4	30

QC Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Method: 8270C - TCL Semivolatile Compounds (OLMO4.2) (Continued)

Lab Sample ID: 240-5811-10 MSD

Matrix: Water

Analysis Batch: 23465

Client Sample ID: LLI01-BS10-0000-WSXX

Prep Type: Total/NA

Prep Batch: 23079

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Fluorene	4.8	U	38.1	25.9		ug/L		68	43 - 110	3	30
Hexachlorobenzene	0.19	U	38.1	24.8		ug/L		65	40 - 113	4	30
Hexachlorobutadiene	0.95	U	38.1	25.2		ug/L		66	14 - 110	1	30
Hexachlorocyclopentadiene	4.8	U	38.1	5.71	J	ug/L		15	10 - 110	3	30
Hexachloroethane	4.8	U	38.1	26.3		ug/L		69	10 - 110	1	30
Indeno[1,2,3-cd]pyrene	1.9	U	38.1	25.2		ug/L		66	36 - 116	2	30
Isophorone	4.8	U	38.1	26.1		ug/L		68	34 - 125	2	30
Naphthalene	4.8	U	38.1	26.6		ug/L		70	32 - 110	1	30
Nitrobenzene	2.9	U	38.1	27.7		ug/L		73	26 - 118	3	30
N-Nitrosodi-n-propylamine	4.8	U	38.1	29.0		ug/L		76	25 - 119	0	30
N-Nitrosodiphenylamine	4.8	U	38.1	23.4		ug/L		62	28 - 118	0	30
Pentachlorophenol	4.8	U	38.1	19.3		ug/L		51	23 - 110	15	30
Phenol	4.8	U	38.1	28.0		ug/L		74	16 - 110	0	30
Phenanthrene	1.9	U	38.1	26.2		ug/L		69	47 - 110	4	30
Pyrene	4.8	U	38.1	25.6		ug/L		67	54 - 115	4	30
3 & 4 Methylphenol	4.8	U	76.2	52.6		ug/L		69	25 - 110	12	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2-Fluorobiphenyl (Surr)	65		28 - 110
2-Fluorophenol (Surr)	73		10 - 110
2,4,6-Tribromophenol (Surr)	60		22 - 120
Nitrobenzene-d5 (Surr)	65		27 - 111
Phenol-d5 (Surr)	72		10 - 110
Terphenyl-d14 (Surr)	72		37 - 119

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

Lab Sample ID: MB 240-23071/20-A

Matrix: Water

Analysis Batch: 23445

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 23071

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.10	U	0.10	0.044	ug/L		11/14/11 08:45	11/16/11 11:26	1
PCB-1221	0.10	U	0.10	0.045	ug/L		11/14/11 08:45	11/16/11 11:26	1
PCB-1232	0.10	U	0.10	0.073	ug/L		11/14/11 08:45	11/16/11 11:26	1
PCB-1242	0.10	U	0.10	0.060	ug/L		11/14/11 08:45	11/16/11 11:26	1
PCB-1248	0.10	U	0.10	0.061	ug/L		11/14/11 08:45	11/16/11 11:26	1
PCB-1254	0.10	U	0.10	0.032	ug/L		11/14/11 08:45	11/16/11 11:26	1
PCB-1260	0.10	U	0.10	0.038	ug/L		11/14/11 08:45	11/16/11 11:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	69		23 - 136	11/14/11 08:45	11/16/11 11:26	1
DCB Decachlorobiphenyl	69		10 - 130	11/14/11 08:45	11/16/11 11:26	1

QC Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

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

Lab Sample ID: LCS 240-23071/21-A

Matrix: Water

Analysis Batch: 23445

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 23071

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	10.0	8.07		ug/L		81	66 - 120
PCB-1260	10.0	8.58		ug/L		86	55 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	76		23 - 136
DCB Decachlorobiphenyl	82		10 - 130

Lab Sample ID: 240-5811-10 MS

Matrix: Water

Analysis Batch: 23445

Client Sample ID: LLI01-BS10-0000-WSXX

Prep Type: Total/NA

Prep Batch: 23071

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	0.095	U	20.4	15.7		ug/L		77	67 - 120
PCB-1260	0.095	U	20.4	15.5		ug/L		76	31 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
Tetrachloro-m-xylene	76		23 - 136
DCB Decachlorobiphenyl	65		10 - 130

Lab Sample ID: 240-5811-10 MSD

Matrix: Water

Analysis Batch: 23445

Client Sample ID: LLI01-BS10-0000-WSXX

Prep Type: Total/NA

Prep Batch: 23071

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	0.095	U	20.4	15.9		ug/L		78	67 - 120	1	30
PCB-1260	0.095	U	20.4	15.7		ug/L		77	31 - 120	1	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Tetrachloro-m-xylene	71		23 - 136
DCB Decachlorobiphenyl	66		10 - 130

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 240-23413/1-A

Matrix: Water

Analysis Batch: 24278

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 23413

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0	U	5.0	0.40	ug/L		11/16/11 05:30	11/21/11 19:13	1
Barium	1.19	J	5.0	0.19	ug/L		11/16/11 05:30	11/21/11 19:13	1
Cadmium	1.0	U	1.0	0.13	ug/L		11/16/11 05:30	11/21/11 19:13	1
Chromium	2.0	U	2.0	0.71	ug/L		11/16/11 05:30	11/21/11 19:13	1
Copper	0.581	J	2.0	0.29	ug/L		11/16/11 05:30	11/21/11 19:13	1
Lead	1.0	U	1.0	0.18	ug/L		11/16/11 05:30	11/21/11 19:13	1
Selenium	5.0	U	5.0	0.57	ug/L		11/16/11 05:30	11/21/11 19:13	1
Zinc	6.93	J	20	2.3	ug/L		11/16/11 05:30	11/21/11 19:13	1
Silver	0.20	U	0.20	0.080	ug/L		11/16/11 05:30	11/21/11 19:13	1

QC Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

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

Lab Sample ID: LCS 240-23413/2-A

Matrix: Water

Analysis Batch: 24278

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 23413

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1000	955		ug/L		95	80 - 120
Barium	1000	967		ug/L		97	80 - 120
Cadmium	1000	1000		ug/L		100	80 - 120
Chromium	1000	930		ug/L		93	80 - 120
Copper	1000	969		ug/L		97	80 - 120
Lead	1000	979		ug/L		98	80 - 120
Selenium	1000	991		ug/L		99	80 - 120
Zinc	1000	1020		ug/L		102	80 - 120
Silver	100	101		ug/L		101	80 - 120

Lab Sample ID: 240-5811-10 MS

Matrix: Water

Analysis Batch: 24278

Client Sample ID: LLI01-BS10-0000-WSXX

Prep Type: Total Recoverable

Prep Batch: 23413

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.8	J	1000	998		ug/L		100	82 - 123
Barium	96	B	1000	1110		ug/L		102	45 - 144
Cadmium	0.46	J	1000	1020		ug/L		101	78 - 117
Chromium	2.2		1000	966		ug/L		96	72 - 110
Copper	41	B	1000	996		ug/L		95	60 - 123
Lead	84		1000	1060		ug/L		98	73 - 115
Selenium	3.5	J	1000	1010		ug/L		100	72 - 148
Zinc	480	B	1000	1480		ug/L		99	49 - 156
Silver	0.20	U	100	99.9		ug/L		100	10 - 139

Lab Sample ID: 240-5811-10 MSD

Matrix: Water

Analysis Batch: 24278

Client Sample ID: LLI01-BS10-0000-WSXX

Prep Type: Total Recoverable

Prep Batch: 23413

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	1.8	J	1000	979		ug/L		98	82 - 123	2	20
Barium	96	B	1000	1090		ug/L		100	45 - 144	2	20
Cadmium	0.46	J	1000	996		ug/L		100	78 - 117	2	20
Chromium	2.2		1000	945		ug/L		94	72 - 110	2	20
Copper	41	B	1000	978		ug/L		94	60 - 123	2	20
Lead	84		1000	1040		ug/L		95	73 - 115	2	20
Selenium	3.5	J	1000	988		ug/L		98	72 - 148	2	20
Zinc	480	B	1000	1440		ug/L		95	49 - 156	3	20
Silver	0.20	U	100	98.7		ug/L		99	10 - 139	1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 240-23341/1-A

Matrix: Water

Analysis Batch: 23538

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 23341

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		11/15/11 15:35	11/16/11 09:42	1

QC Sample Results

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

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

Lab Sample ID: LCS 240-23341/2-A
Matrix: Water
Analysis Batch: 23538

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 23341

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	5.00	4.74		ug/L		95	81 - 123

Lab Sample ID: MB 240-23492/1-A
Matrix: Water
Analysis Batch: 24219

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 23492

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		11/18/11 15:50	11/21/11 12:05	1

Lab Sample ID: LCS 240-23492/2-A
Matrix: Water
Analysis Batch: 24219

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 23492

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	5.00	4.46		ug/L		89	81 - 123

Lab Sample ID: 240-5811-10 MS
Matrix: Water
Analysis Batch: 24219

Client Sample ID: LLI01-BS10-0000-WSXX
Prep Type: Total/NA
Prep Batch: 23492

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.19	J	1.00	1.15		ug/L		96	69 - 134

Lab Sample ID: 240-5811-10 MSD
Matrix: Water
Analysis Batch: 24219

Client Sample ID: LLI01-BS10-0000-WSXX
Prep Type: Total/NA
Prep Batch: 23492

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.19	J	1.00	1.12		ug/L		92	69 - 134	3	20

QC Association Summary

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

GC/MS VOA

Analysis Batch: 23979

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-5811-10	LLI01-BS10-0000-WSXX	Total/NA	Water	8260B	
240-5811-10 MS	LLI01-BS10-0000-WSXX	Total/NA	Water	8260B	
240-5811-10 MSD	LLI01-BS10-0000-WSXX	Total/NA	Water	8260B	
LCS 240-23979/4	Lab Control Sample	Total/NA	Water	8260B	
MB 240-23979/5	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 24252

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-5811-1	LLI01-BS01-0000-WSXX	Total/NA	Water	8260B	
240-5811-2	LLI01-BS02-0000-WSXX	Total/NA	Water	8260B	
240-5811-3	LLI01-BS03-0000-WSXX	Total/NA	Water	8260B	
240-5811-4	LLI01-BS04-0000-WSXX	Total/NA	Water	8260B	
240-5811-5	LLI01-BS05-0000-WSXX	Total/NA	Water	8260B	
240-5811-6	LLI01-BS06-0000-WSXX	Total/NA	Water	8260B	
240-5811-7	LLI01-BS07-0000-WSXX	Total/NA	Water	8260B	
240-5811-8	LLI01-BS08-0000-WSXX	Total/NA	Water	8260B	
240-5811-9	LLI01-BS09-0000-WSXX	Total/NA	Water	8260B	
240-5811-11	LLI01-BS10-0000-WSFD	Total/NA	Water	8260B	
240-5811-12	TRIP BLANKS	Total/NA	Water	8260B	
LCS 240-24252/4	Lab Control Sample	Total/NA	Water	8260B	
MB 240-24252/5	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 23079

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-5811-1	LLI01-BS01-0000-WSXX	Total/NA	Water	3520C	
240-5811-2	LLI01-BS02-0000-WSXX	Total/NA	Water	3520C	
240-5811-3	LLI01-BS03-0000-WSXX	Total/NA	Water	3520C	
240-5811-4	LLI01-BS04-0000-WSXX	Total/NA	Water	3520C	
240-5811-5	LLI01-BS05-0000-WSXX	Total/NA	Water	3520C	
240-5811-6	LLI01-BS06-0000-WSXX	Total/NA	Water	3520C	
240-5811-7	LLI01-BS07-0000-WSXX	Total/NA	Water	3520C	
240-5811-8	LLI01-BS08-0000-WSXX	Total/NA	Water	3520C	
240-5811-9	LLI01-BS09-0000-WSXX	Total/NA	Water	3520C	
240-5811-10	LLI01-BS10-0000-WSXX	Total/NA	Water	3520C	
240-5811-10 MS	LLI01-BS10-0000-WSXX	Total/NA	Water	3520C	
240-5811-10 MSD	LLI01-BS10-0000-WSXX	Total/NA	Water	3520C	
240-5811-11	LLI01-BS10-0000-WSFD	Total/NA	Water	3520C	
LCS 240-23079/17-A	Lab Control Sample	Total/NA	Water	3520C	
MB 240-23079/16-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 23465

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-5811-1	LLI01-BS01-0000-WSXX	Total/NA	Water	8270C	23079
240-5811-2	LLI01-BS02-0000-WSXX	Total/NA	Water	8270C	23079
240-5811-3	LLI01-BS03-0000-WSXX	Total/NA	Water	8270C	23079
240-5811-4	LLI01-BS04-0000-WSXX	Total/NA	Water	8270C	23079
240-5811-5	LLI01-BS05-0000-WSXX	Total/NA	Water	8270C	23079
240-5811-6	LLI01-BS06-0000-WSXX	Total/NA	Water	8270C	23079
240-5811-7	LLI01-BS07-0000-WSXX	Total/NA	Water	8270C	23079
240-5811-8	LLI01-BS08-0000-WSXX	Total/NA	Water	8270C	23079

QC Association Summary

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

GC/MS Semi VOA (Continued)

Analysis Batch: 23465 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-5811-9	LLI01-BS09-0000-WSXX	Total/NA	Water	8270C	23079
240-5811-10	LLI01-BS10-0000-WSXX	Total/NA	Water	8270C	23079
240-5811-10 MS	LLI01-BS10-0000-WSXX	Total/NA	Water	8270C	23079
240-5811-10 MSD	LLI01-BS10-0000-WSXX	Total/NA	Water	8270C	23079
240-5811-11	LLI01-BS10-0000-WSFD	Total/NA	Water	8270C	23079
LCS 240-23079/17-A	Lab Control Sample	Total/NA	Water	8270C	23079
MB 240-23079/16-A	Method Blank	Total/NA	Water	8270C	23079

GC Semi VOA

Prep Batch: 23071

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-5811-1	LLI01-BS01-0000-WSXX	Total/NA	Water	3520C	
240-5811-2	LLI01-BS02-0000-WSXX	Total/NA	Water	3520C	
240-5811-3	LLI01-BS03-0000-WSXX	Total/NA	Water	3520C	
240-5811-4	LLI01-BS04-0000-WSXX	Total/NA	Water	3520C	
240-5811-5	LLI01-BS05-0000-WSXX	Total/NA	Water	3520C	
240-5811-6	LLI01-BS06-0000-WSXX	Total/NA	Water	3520C	
240-5811-7	LLI01-BS07-0000-WSXX	Total/NA	Water	3520C	
240-5811-8	LLI01-BS08-0000-WSXX	Total/NA	Water	3520C	
240-5811-9	LLI01-BS09-0000-WSXX	Total/NA	Water	3520C	
240-5811-10	LLI01-BS10-0000-WSXX	Total/NA	Water	3520C	
240-5811-10 MS	LLI01-BS10-0000-WSXX	Total/NA	Water	3520C	
240-5811-10 MSD	LLI01-BS10-0000-WSXX	Total/NA	Water	3520C	
240-5811-11	LLI01-BS10-0000-WSFD	Total/NA	Water	3520C	
LCS 240-23071/21-A	Lab Control Sample	Total/NA	Water	3520C	
MB 240-23071/20-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 23445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-5811-1	LLI01-BS01-0000-WSXX	Total/NA	Water	8082	23071
240-5811-3	LLI01-BS03-0000-WSXX	Total/NA	Water	8082	23071
240-5811-4	LLI01-BS04-0000-WSXX	Total/NA	Water	8082	23071
240-5811-5	LLI01-BS05-0000-WSXX	Total/NA	Water	8082	23071
240-5811-8	LLI01-BS08-0000-WSXX	Total/NA	Water	8082	23071
240-5811-9	LLI01-BS09-0000-WSXX	Total/NA	Water	8082	23071
240-5811-10	LLI01-BS10-0000-WSXX	Total/NA	Water	8082	23071
240-5811-10 MS	LLI01-BS10-0000-WSXX	Total/NA	Water	8082	23071
240-5811-10 MSD	LLI01-BS10-0000-WSXX	Total/NA	Water	8082	23071
240-5811-11	LLI01-BS10-0000-WSFD	Total/NA	Water	8082	23071
LCS 240-23071/21-A	Lab Control Sample	Total/NA	Water	8082	23071
MB 240-23071/20-A	Method Blank	Total/NA	Water	8082	23071

Analysis Batch: 23732

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-5811-2	LLI01-BS02-0000-WSXX	Total/NA	Water	8082	23071
240-5811-6	LLI01-BS06-0000-WSXX	Total/NA	Water	8082	23071
240-5811-7	LLI01-BS07-0000-WSXX	Total/NA	Water	8082	23071

QC Association Summary

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Metals

Prep Batch: 23341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-5811-1	LLI01-BS01-0000-WSXX	Total/NA	Water	7470A	
240-5811-2	LLI01-BS02-0000-WSXX	Total/NA	Water	7470A	
240-5811-3	LLI01-BS03-0000-WSXX	Total/NA	Water	7470A	
240-5811-4	LLI01-BS04-0000-WSXX	Total/NA	Water	7470A	
240-5811-5	LLI01-BS05-0000-WSXX	Total/NA	Water	7470A	
240-5811-6	LLI01-BS06-0000-WSXX	Total/NA	Water	7470A	
240-5811-7	LLI01-BS07-0000-WSXX	Total/NA	Water	7470A	
240-5811-8	LLI01-BS08-0000-WSXX	Total/NA	Water	7470A	
240-5811-9	LLI01-BS09-0000-WSXX	Total/NA	Water	7470A	
LCS 240-23341/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 240-23341/1-A	Method Blank	Total/NA	Water	7470A	

Prep Batch: 23413

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-5811-1	LLI01-BS01-0000-WSXX	Total Recoverable	Water	3005A	
240-5811-2	LLI01-BS02-0000-WSXX	Total Recoverable	Water	3005A	
240-5811-3	LLI01-BS03-0000-WSXX	Total Recoverable	Water	3005A	
240-5811-4	LLI01-BS04-0000-WSXX	Total Recoverable	Water	3005A	
240-5811-5	LLI01-BS05-0000-WSXX	Total Recoverable	Water	3005A	
240-5811-6	LLI01-BS06-0000-WSXX	Total Recoverable	Water	3005A	
240-5811-7	LLI01-BS07-0000-WSXX	Total Recoverable	Water	3005A	
240-5811-8	LLI01-BS08-0000-WSXX	Total Recoverable	Water	3005A	
240-5811-9	LLI01-BS09-0000-WSXX	Total Recoverable	Water	3005A	
240-5811-10	LLI01-BS10-0000-WSXX	Total Recoverable	Water	3005A	
240-5811-10 MS	LLI01-BS10-0000-WSXX	Total Recoverable	Water	3005A	
240-5811-10 MSD	LLI01-BS10-0000-WSXX	Total Recoverable	Water	3005A	
240-5811-11	LLI01-BS10-0000-WSFD	Total Recoverable	Water	3005A	
LCS 240-23413/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 240-23413/1-A	Method Blank	Total Recoverable	Water	3005A	

Prep Batch: 23492

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-5811-10	LLI01-BS10-0000-WSXX	Total/NA	Water	7470A	
240-5811-10 MS	LLI01-BS10-0000-WSXX	Total/NA	Water	7470A	
240-5811-10 MSD	LLI01-BS10-0000-WSXX	Total/NA	Water	7470A	
240-5811-11	LLI01-BS10-0000-WSFD	Total/NA	Water	7470A	
LCS 240-23492/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 240-23492/1-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 23538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-5811-1	LLI01-BS01-0000-WSXX	Total/NA	Water	7470A	23341
240-5811-2	LLI01-BS02-0000-WSXX	Total/NA	Water	7470A	23341
240-5811-3	LLI01-BS03-0000-WSXX	Total/NA	Water	7470A	23341
240-5811-4	LLI01-BS04-0000-WSXX	Total/NA	Water	7470A	23341
240-5811-5	LLI01-BS05-0000-WSXX	Total/NA	Water	7470A	23341
240-5811-6	LLI01-BS06-0000-WSXX	Total/NA	Water	7470A	23341
240-5811-7	LLI01-BS07-0000-WSXX	Total/NA	Water	7470A	23341
240-5811-8	LLI01-BS08-0000-WSXX	Total/NA	Water	7470A	23341
240-5811-9	LLI01-BS09-0000-WSXX	Total/NA	Water	7470A	23341
LCS 240-23341/2-A	Lab Control Sample	Total/NA	Water	7470A	23341
MB 240-23341/1-A	Method Blank	Total/NA	Water	7470A	23341

QC Association Summary

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Metals (Continued)

Analysis Batch: 24219

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-5811-10	LLI01-BS10-0000-WSXX	Total/NA	Water	7470A	23492
240-5811-10 MS	LLI01-BS10-0000-WSXX	Total/NA	Water	7470A	23492
240-5811-10 MSD	LLI01-BS10-0000-WSXX	Total/NA	Water	7470A	23492
240-5811-11	LLI01-BS10-0000-WSFD	Total/NA	Water	7470A	23492
LCS 240-23492/2-A	Lab Control Sample	Total/NA	Water	7470A	23492
MB 240-23492/1-A	Method Blank	Total/NA	Water	7470A	23492

Analysis Batch: 24278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-5811-1	LLI01-BS01-0000-WSXX	Total Recoverable	Water	6020	23413
240-5811-2	LLI01-BS02-0000-WSXX	Total Recoverable	Water	6020	23413
240-5811-3	LLI01-BS03-0000-WSXX	Total Recoverable	Water	6020	23413
240-5811-4	LLI01-BS04-0000-WSXX	Total Recoverable	Water	6020	23413
240-5811-5	LLI01-BS05-0000-WSXX	Total Recoverable	Water	6020	23413
240-5811-6	LLI01-BS06-0000-WSXX	Total Recoverable	Water	6020	23413
240-5811-7	LLI01-BS07-0000-WSXX	Total Recoverable	Water	6020	23413
240-5811-8	LLI01-BS08-0000-WSXX	Total Recoverable	Water	6020	23413
240-5811-9	LLI01-BS09-0000-WSXX	Total Recoverable	Water	6020	23413
240-5811-10	LLI01-BS10-0000-WSXX	Total Recoverable	Water	6020	23413
240-5811-10 MS	LLI01-BS10-0000-WSXX	Total Recoverable	Water	6020	23413
240-5811-10 MSD	LLI01-BS10-0000-WSXX	Total Recoverable	Water	6020	23413
240-5811-11	LLI01-BS10-0000-WSFD	Total Recoverable	Water	6020	23413
LCS 240-23413/2-A	Lab Control Sample	Total Recoverable	Water	6020	23413
MB 240-23413/1-A	Method Blank	Total Recoverable	Water	6020	23413

Lab Chronicle

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Client Sample ID: LLI01-BS01-0000-WSXX

Lab Sample ID: 240-5811-1

Date Collected: 11/10/11 10:30

Matrix: Water

Date Received: 11/11/11 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	24252	11/22/11 01:45	RQ	TAL NC
Total/NA	Prep	3520C			23079	11/14/11 08:52	CC	TAL NC
Total/NA	Analysis	8270C		1	23465	11/16/11 16:30	TH	TAL NC
Total/NA	Prep	3520C			23071	11/14/11 08:45	CC	TAL NC
Total/NA	Analysis	8082		1	23445	11/16/11 08:22	LH	TAL NC
Total/NA	Prep	7470A			23341	11/15/11 15:35	LM	TAL NC
Total/NA	Analysis	7470A		1	23538	11/16/11 09:49	AS	TAL NC
Total Recoverable	Prep	3005A			23413	11/16/11 05:30	AS	TAL NC
Total Recoverable	Analysis	6020		1	24278	11/21/11 20:10	NJM	TAL NC

Client Sample ID: LLI01-BS02-0000-WSXX

Lab Sample ID: 240-5811-2

Date Collected: 11/10/11 10:40

Matrix: Water

Date Received: 11/11/11 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	24252	11/22/11 02:06	RQ	TAL NC
Total/NA	Prep	3520C			23079	11/14/11 08:52	CC	TAL NC
Total/NA	Analysis	8270C		10	23465	11/16/11 20:07	TH	TAL NC
Total/NA	Prep	3520C			23071	11/14/11 08:45	CC	TAL NC
Total/NA	Analysis	8082		1	23732	11/17/11 12:00	LH	TAL NC
Total/NA	Prep	7470A			23341	11/15/11 15:35	LM	TAL NC
Total/NA	Analysis	7470A		1	23538	11/16/11 09:50	AS	TAL NC
Total Recoverable	Prep	3005A			23413	11/16/11 05:30	AS	TAL NC
Total Recoverable	Analysis	6020		1	24278	11/21/11 20:15	NJM	TAL NC

Client Sample ID: LLI01-BS03-0000-WSXX

Lab Sample ID: 240-5811-3

Date Collected: 11/10/11 10:45

Matrix: Water

Date Received: 11/11/11 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	24252	11/22/11 02:28	RQ	TAL NC
Total/NA	Prep	3520C			23079	11/14/11 08:52	CC	TAL NC
Total/NA	Analysis	8270C		4	23465	11/16/11 19:51	TH	TAL NC
Total/NA	Prep	3520C			23071	11/14/11 08:45	CC	TAL NC
Total/NA	Analysis	8082		1	23445	11/16/11 08:53	LH	TAL NC
Total/NA	Prep	7470A			23341	11/15/11 15:35	LM	TAL NC
Total/NA	Analysis	7470A		1	23538	11/16/11 09:51	AS	TAL NC
Total Recoverable	Prep	3005A			23413	11/16/11 05:30	AS	TAL NC
Total Recoverable	Analysis	6020		1	24278	11/21/11 20:21	NJM	TAL NC

Lab Chronicle

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Client Sample ID: LLI01-BS04-0000-WSXX

Lab Sample ID: 240-5811-4

Date Collected: 11/10/11 10:50

Matrix: Water

Date Received: 11/11/11 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	24252	11/22/11 02:49	RQ	TAL NC
Total/NA	Prep	3520C			23079	11/14/11 08:52	CC	TAL NC
Total/NA	Analysis	8270C		1	23465	11/16/11 16:47	TH	TAL NC
Total/NA	Prep	3520C			23071	11/14/11 08:45	CC	TAL NC
Total/NA	Analysis	8082		1	23445	11/16/11 09:08	LH	TAL NC
Total/NA	Prep	7470A			23341	11/15/11 15:35	LM	TAL NC
Total/NA	Analysis	7470A		1	23538	11/16/11 09:53	AS	TAL NC
Total Recoverable	Prep	3005A			23413	11/16/11 05:30	AS	TAL NC
Total Recoverable	Analysis	6020		1	24278	11/21/11 20:26	NJM	TAL NC

Client Sample ID: LLI01-BS05-0000-WSXX

Lab Sample ID: 240-5811-5

Date Collected: 11/10/11 10:50

Matrix: Water

Date Received: 11/11/11 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	24252	11/22/11 03:11	RQ	TAL NC
Total/NA	Prep	3520C			23079	11/14/11 08:52	CC	TAL NC
Total/NA	Analysis	8270C		1	23465	11/16/11 17:04	TH	TAL NC
Total/NA	Prep	3520C			23071	11/14/11 08:45	CC	TAL NC
Total/NA	Analysis	8082		1	23445	11/16/11 09:23	LH	TAL NC
Total/NA	Prep	7470A			23341	11/15/11 15:35	LM	TAL NC
Total/NA	Analysis	7470A		1	23538	11/16/11 09:54	AS	TAL NC
Total Recoverable	Prep	3005A			23413	11/16/11 05:30	AS	TAL NC
Total Recoverable	Analysis	6020		1	24278	11/21/11 20:31	NJM	TAL NC

Client Sample ID: LLI01-BS06-0000-WSXX

Lab Sample ID: 240-5811-6

Date Collected: 11/10/11 11:00

Matrix: Water

Date Received: 11/11/11 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	24252	11/22/11 03:32	RQ	TAL NC
Total/NA	Prep	3520C			23079	11/14/11 08:52	CC	TAL NC
Total/NA	Analysis	8270C		1	23465	11/16/11 17:21	TH	TAL NC
Total/NA	Prep	3520C			23071	11/14/11 08:45	CC	TAL NC
Total/NA	Analysis	8082		1	23732	11/17/11 12:14	LH	TAL NC
Total/NA	Prep	7470A			23341	11/15/11 15:35	LM	TAL NC
Total/NA	Analysis	7470A		1	23538	11/16/11 09:58	AS	TAL NC
Total Recoverable	Prep	3005A			23413	11/16/11 05:30	AS	TAL NC
Total Recoverable	Analysis	6020		1	24278	11/21/11 20:37	NJM	TAL NC

Lab Chronicle

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Client Sample ID: LLI01-BS07-0000-WSXX

Lab Sample ID: 240-5811-7

Date Collected: 11/10/11 11:10

Matrix: Water

Date Received: 11/11/11 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	24252	11/22/11 03:54	RQ	TAL NC
Total/NA	Prep	3520C			23079	11/14/11 08:52	CC	TAL NC
Total/NA	Analysis	8270C		10	23465	11/16/11 20:24	TH	TAL NC
Total/NA	Prep	3520C			23071	11/14/11 08:45	CC	TAL NC
Total/NA	Analysis	8082		1	23732	11/17/11 12:29	LH	TAL NC
Total/NA	Prep	7470A			23341	11/15/11 15:35	LM	TAL NC
Total/NA	Analysis	7470A		1	23538	11/16/11 09:59	AS	TAL NC
Total Recoverable	Prep	3005A			23413	11/16/11 05:30	AS	TAL NC
Total Recoverable	Analysis	6020		1	24278	11/21/11 20:54	NJM	TAL NC

Client Sample ID: LLI01-BS08-0000-WSXX

Lab Sample ID: 240-5811-8

Date Collected: 11/10/11 11:15

Matrix: Water

Date Received: 11/11/11 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	24252	11/22/11 04:15	RQ	TAL NC
Total/NA	Prep	3520C			23079	11/14/11 08:52	CC	TAL NC
Total/NA	Analysis	8270C		1	23465	11/16/11 17:37	TH	TAL NC
Total/NA	Prep	3520C			23071	11/14/11 08:45	CC	TAL NC
Total/NA	Analysis	8082		1	23445	11/16/11 10:09	LH	TAL NC
Total/NA	Prep	7470A			23341	11/15/11 15:35	LM	TAL NC
Total/NA	Analysis	7470A		1	23538	11/16/11 10:00	AS	TAL NC
Total Recoverable	Prep	3005A			23413	11/16/11 05:30	AS	TAL NC
Total Recoverable	Analysis	6020		1	24278	11/21/11 20:59	NJM	TAL NC

Client Sample ID: LLI01-BS09-0000-WSXX

Lab Sample ID: 240-5811-9

Date Collected: 11/10/11 11:50

Matrix: Water

Date Received: 11/11/11 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	24252	11/22/11 04:37	RQ	TAL NC
Total/NA	Prep	3520C			23079	11/14/11 08:52	CC	TAL NC
Total/NA	Analysis	8270C		1	23465	11/16/11 17:54	TH	TAL NC
Total/NA	Prep	3520C			23071	11/14/11 08:45	CC	TAL NC
Total/NA	Analysis	8082		1	23445	11/16/11 10:24	LH	TAL NC
Total/NA	Prep	7470A			23341	11/15/11 15:35	LM	TAL NC
Total/NA	Analysis	7470A		1	23538	11/16/11 10:02	AS	TAL NC
Total Recoverable	Prep	3005A			23413	11/16/11 05:30	AS	TAL NC
Total Recoverable	Analysis	6020		1	24278	11/21/11 21:04	NJM	TAL NC

Lab Chronicle

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

Client Sample ID: LLI01-BS10-0000-WSXX

Lab Sample ID: 240-5811-10

Date Collected: 11/10/11 12:10

Matrix: Water

Date Received: 11/11/11 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	23979	11/18/11 21:43	LW	TAL NC
Total/NA	Prep	3520C			23079	11/14/11 08:52	CC	TAL NC
Total/NA	Analysis	8270C		1	23465	11/16/11 18:10	TH	TAL NC
Total/NA	Prep	3520C			23071	11/14/11 08:45	CC	TAL NC
Total/NA	Analysis	8082		1	23445	11/16/11 10:40	LH	TAL NC
Total/NA	Prep	7470A			23492	11/18/11 15:50	LM	TAL NC
Total/NA	Analysis	7470A		1	24219	11/21/11 12:07	AS	TAL NC
Total Recoverable	Prep	3005A			23413	11/16/11 05:30	AS	TAL NC
Total Recoverable	Analysis	6020		1	24278	11/21/11 19:25	NJM	TAL NC

Client Sample ID: LLI01-BS10-0000-WSFD

Lab Sample ID: 240-5811-11

Date Collected: 11/10/11 00:00

Matrix: Water

Date Received: 11/11/11 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	24252	11/22/11 04:58	RQ	TAL NC
Total/NA	Prep	3520C			23079	11/14/11 08:52	CC	TAL NC
Total/NA	Analysis	8270C		1	23465	11/16/11 19:01	TH	TAL NC
Total/NA	Prep	3520C			23071	11/14/11 08:45	CC	TAL NC
Total/NA	Analysis	8082		1	23445	11/16/11 11:56	LH	TAL NC
Total/NA	Prep	7470A			23492	11/18/11 15:50	LM	TAL NC
Total/NA	Analysis	7470A		1	24219	11/21/11 12:24	AS	TAL NC
Total Recoverable	Prep	3005A			23413	11/16/11 05:30	AS	TAL NC
Total Recoverable	Analysis	6020		1	24278	11/21/11 21:10	NJM	TAL NC

Client Sample ID: TRIP BLANKS

Lab Sample ID: 240-5811-12

Date Collected: 11/10/11 00:00

Matrix: Water

Date Received: 11/11/11 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	24252	11/22/11 05:19	RQ	TAL NC

Laboratory References:

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

Certification Summary

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

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

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

Detection Limit Exceptions Summary

Client: AMEC E&I, Inc
Project/Site: Honeywell Site in Houghton, MI

TestAmerica Job ID: 240-5811-1

The requested project specific reporting limits listed below were less than lab standard quantitation limits but greater than or equal to the lab MDL. It must be noted that results reported below lab standard quantitation limits (PQL) may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Matrix	Analyte	Units	Client RL	Lab PQL
8270C	Water	2,4,6-Trichlorophenol	ug/L	4.0	5
8270C	Water	3,3'-Dichlorobenzidine	ug/L	1.0	5
8270C	Water	Hexachlorocyclopentadiene	ug/L	5.0	10
6020	Water	Silver	ug/L	0.20	1.0

TestAmerica Laboratory location: -
Regulatory program:

TestAmerica Laboratories, Inc.

[illegible]

Client Contact		Company Name: AMEC E&I		Address: 46850 Magellan Dr.		City/State/Zip: Jct. 190, Novi, MI, 48377		Phone: 248-926-4008		Project Name: HONEYWELL - LK. LINCOLN		Project Number: 3293-11-1440 2300		PO # DIRECT BILL HONEYWELL	
Client Project Manager: DAN DYER		Telephone: 248-926-4008		Email: dsdyer@mactec.com		Method of Shipment/Carrier: COURIER/FEDEX		Shipping/Tracking No.		Sample Identification		Sample Date		Sample Time	
Site Contact: DOUGLAS SAGH		Telephone: 248-926-4008		Email: dsdyer@mactec.com		Method of Shipment/Carrier: COURIER/FEDEX		Shipping/Tracking No.		Matrix		Containers & Preservatives		Analysis Turnaround Time (in BUS days)	
Lab Contact: MARK LOEB		Telephone:		Email:		Method of Shipment/Carrier:		Shipping/Tracking No.		Matrix		Containers & Preservatives		Analysis Turnaround Time (in BUS days)	
COC No: 034078		COCs		3 of 6		For lab use only		Walk-in client		Lab pickup		Lab sampling		Job/SDG No.	
Sample Specific Notes / Special Instructions:		Analyses		Composite = C / Grab = G		Filtered Sample (Y / N)		Other:		NaOH		ZnAc		Unpres	
Sample Specific Notes / Special Instructions:		Analyses		Composite = C / Grab = G		Filtered Sample (Y / N)		Other:		NaOH		ZnAc		Unpres	
Sample Specific Notes / Special Instructions:		Analyses		Composite = C / Grab = G		Filtered Sample (Y / N)		Other:		NaOH		ZnAc		Unpres	
Sample Specific Notes / Special Instructions:		Analyses		Composite = C / Grab = G		Filtered Sample (Y / N)		Other:		NaOH		ZnAc		Unpres	
Sample Specific Notes / Special Instructions:		Analyses		Composite = C / Grab = G		Filtered Sample (Y / N)		Other:		NaOH		ZnAc		Unpres	
Sample Specific Notes / Special Instructions:		Analyses		Composite = C / Grab = G		Filtered Sample (Y / N)		Other:		NaOH		ZnAc		Unpres	
Sample Specific Notes / Special Instructions:		Analyses		Composite = C / Grab = G		Filtered Sample (Y / N)		Other:		NaOH		ZnAc		Unpres	
Sample Specific Notes / Special Instructions:		Analyses		Composite = C / Grab = G		Filtered Sample (Y / N)		Other:		NaOH		ZnAc		Unpres	
Sample Specific Notes / Special Instructions:		Analyses		Composite = C / Grab = G		Filtered Sample (Y / N)		Other:		NaOH		ZnAc		Unpres	
Sample Specific Notes / Special Instructions:		Analyses		Composite = C / Grab = G		Filtered Sample (Y / N)		Other:		NaOH		ZnAc		Unpres	
Sample Specific Notes / Special Instructions:		Analyses		Composite = C / Grab = G		Filtered Sample (Y / N)		Other:		NaOH		ZnAc		Unpres	
Sample Specific Notes / Special Instructions:		Analyses		Composite = C / Grab = G		Filtered Sample (Y / N)		Other:		NaOH		ZnAc		Unpres	
Sample Specific Notes / Special Instructions:		Analyses		Composite = C / Grab = G		Filtered Sample (Y / N)		Other:		NaOH		ZnAc		Unpres	
Sample Specific Notes / Special Instructions:		Analyses		Composite = C / Grab = G		Filtered Sample (Y / N)		Other:		NaOH		ZnAc		Unpres	
Sample Specific Notes / Special Instructions:		Analyses		Composite = C / Grab = G		Filtered Sample (Y / N)		Other:		NaOH		ZnAc		Unpres	
Sample Specific Notes / Special Instructions:		Analyses		Composite = C / Grab = G		Filtered Sample (Y / N)		Other:		NaOH		ZnAc		Unpres	
Sample Specific Notes / Special Instructions:		Analyses		Composite = C / Grab = G		Filtered Sample (Y / N)		Other:		NaOH		ZnAc		Unpres	
Sample Specific Notes / Special Instructions:		Analyses		Composite = C / Grab = G		Filtered Sample (Y / N)		Other:		NaOH		ZnAc		Unpres	
Sample Specific Notes / Special Instructions:		Analyses		Composite = C / Grab = G		Filtered Sample (Y / N)		Other:		NaOH		ZnAc		Unpres	
Sample Specific Notes / Special Instructions:		Analyses		Composite = C / Grab = G		Filtered Sample (Y / N)		Other:		NaOH		ZnAc		Unpres	
Sample Specific Notes / Special Instructions:		Analyses		Composite = C / Grab = G		Filtered Sample (Y / N)		Other:		NaOH		ZnAc		Unpres	
Sample Specific Notes / Special Instructions:		Analyses		Composite = C / Grab = G		Filtered Sample (Y / N)		Other:		NaOH		ZnAc		Unpres	
Sample Specific Notes / Special Instructions:		Analyses		Composite = C / Grab = G		Filtered Sample (Y / N)		Other:		NaOH		ZnAc		Unpres	
Sample Specific Notes / Special Instructions:		Analyses		Composite = C / Grab = G		Filtered Sample (Y / N)		Other:		NaOH		ZnAc		Unpres	
Sample Specific Notes / Special Instructions:		Analyses		Composite = C / Grab = G		Filtered Sample (Y / N)		Other:		NaOH		ZnAc		Unpres	
Sample Specific Notes / Special Instructions:		Analyses		Composite = C / Grab = G		Filtered Sample (Y / N)		Other:		NaOH		ZnAc		Unpres	
Sample Specific Notes / Special Instructions:		Analyses		Composite = C / Grab = G		Filtered Sample (Y / N)		Other:		NaOH		ZnAc		Unpres	
Sample Specific Notes / Special Instructions:		Analyses		Composite = C / Grab = G		Filtered Sample (Y / N)		Other:		NaOH		ZnAc		Unpres	
Sample Specific Notes / Special Instructions:		Analyses		Composite = C / Grab = G		Filtered Sample (Y / N)		Other:		NaOH		ZnAc		Unpres	
Sample Specific Notes / Special Instructions:		Analyses		Composite = C / Grab = G		Filtered Sample (Y / N)		Other:		NaOH		ZnAc		Unpres	
Sample Specific Notes / Special Instructions:		Analyses		Composite = C / Grab = G		Filtered Sample (Y / N)		Other:		NaOH		ZnAc		Unpres	
Sample Specific Notes / Special Instructions:		Analyses		Composite = C / Grab = G		Filtered Sample (Y / N)		Other:		NaOH		ZnAc		Unpres	
Sample Specific Notes / Special Instructions:		Analyses		Composite = C / Grab = G		Filtered Sample (Y / N)		Other:		NaOH		ZnAc		Unpres	
Sample Specific Notes / Special Instructions:		Analyses		Composite = C / Grab = G		Filtered Sample (Y / N)		Other:		NaOH		ZnAc		Unpres	
Sample Specific Notes / Special Instructions:		Analyses		Composite = C / Grab = G		Filtered Sample (Y / N)		Other:		NaOH		ZnAc		Unpres	
Sample Specific Notes / Special Instructions:		Analyses		Composite = C / Grab = G		Filtered Sample									

[illegible]

Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: 401 Sh-861 St. NW, N. Canton, OH 44720

Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

Client Contact Company Name: <u>Amer EIT</u> Address: <u>46850 Mapleland Dr. Ste 190</u> City/State/Zip: <u>Novi, MI 48377</u> Phone: <u>248-926-4007</u> Project Name: <u>Noviwell - CK. Landon</u> Project Number: <u>2293-11-1440 2300</u> PO# <u>Direct Bill to Henrywell</u>		Client Project Manager: Name: <u>Den Dyer</u> Telephone: <u>248-926-4008</u> Email: <u>dsdyer@macbex.com</u> Method of Shipment/Carrier: <u>Coastal/FedEx</u> Shipping/Tracking No.:		Site Contact: Name: <u>Douglas Saigh</u> Telephone: <u>586-382-0850</u>		Lab Contact: Name: <u>Mark Loeb</u> Telephone:		TestAmerica Laboratories, Inc. COC No: <u>034081</u> of <u>6</u> COCs	
Analysis Turnaround Time TAT if different from below: <input type="checkbox"/> 3 weeks <input checked="" type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Containers & Preservatives H2SO4 <input type="checkbox"/> HCl <input type="checkbox"/> NaOH <input type="checkbox"/> ZnAc <input type="checkbox"/> Utpres <input type="checkbox"/> Other:		Analyses VOCs (8260) <u>3</u> SVOCs (8270) <u>1</u> PCBs <u>1</u> M10 Metals <u>1</u>		For lab use only Walk-in client <input type="checkbox"/> Lab pickup <input type="checkbox"/> Lab sampling <input type="checkbox"/> Job/SDG No:		Sample Specific Notes / Special Instructions:	
Sample Identification Sample Date: <u>11-10-11</u> Sample Time: <u>1210</u> Sample Date: <u>11-10-11</u> Sample Time: <u>1210</u> Sample Date: <u>11-10-11</u> Sample Time: <u>—</u>		Matrix Air <input checked="" type="checkbox"/> Aqueous <input type="checkbox"/> Sediment <input type="checkbox"/> Solid <input type="checkbox"/> Other:		Filtered Sample (Y/N) Composite C / Grab G		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input checked="" type="checkbox"/> Return to Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months		Possible Hazard Identification <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown	
Relinquished by: <u>[Signature]</u> Relinquished by: <u>[Signature]</u> Relinquished by: <u>[Signature]</u>		Company: <u>Amer</u> Date/Time: <u>11/10/11/1500</u> Company: <u>[Signature]</u> Date/Time: <u>[Signature]</u> Company: <u>[Signature]</u> Date/Time: <u>[Signature]</u>		Company: <u>[Signature]</u> Date/Time: <u>[Signature]</u> Company: <u>[Signature]</u> Date/Time: <u>[Signature]</u>		Company: <u>[Signature]</u> Date/Time: <u>[Signature]</u> Company: <u>[Signature]</u> Date/Time: <u>[Signature]</u>		Company: <u>[Signature]</u> Date/Time: <u>[Signature]</u> Company: <u>[Signature]</u> Date/Time: <u>[Signature]</u>	

TestAmerica Cooler Receipt Form/Narrative North Canton Facility

Lot Number: _____

Client AMEI Project _____ By: [Signature]
Cooler Received on 11-11-11 Opened on 11-11-11 (Signature)
FedEx ☒ UPS ☐ DHL ☐ FAS ☐ Stetson ☐ Client Drop Off ☐ TestAmerica Courier ☐ Other _____
TestAmerica Cooler # _____ Multiple Coolers ☒ Foam Box ☐ Client Cooler ☐ Other _____
1. Were custody seals on the outside of the cooler(s)? Yes ☐ No ☒ Intact? Yes ☐ No ☐ NA ☒
If YES, Quantity _____ Quantity Unsalvageable _____
Were custody seals on the outside of cooler(s) signed and dated? Yes ☐ No ☐ NA ☒
Were custody seals on the bottle(s)? Yes ☐ No ☒
If YES, are there any exceptions? _____
2. Shippers' packing slip attached to the cooler(s)? Yes ☒ No ☐
3. Did custody papers accompany the sample(s)? Yes ☒ No ☐ Relinquished by client? Yes ☒ No ☐
4. Were the custody papers signed in the appropriate place? Yes ☒ No ☐
5. Packing material used: Bubble Wrap ☒ Foam ☐ None ☐ Other _____
6. Cooler temperature upon receipt _____ °C See back of form for multiple coolers/temps ☒
METHOD: IR ☒ Other ☐
COOLANT: Wet Ice ☒ Blue Ice ☐ Dry Ice ☐ Water ☐ None ☐
7. Did all bottles arrive in good condition (Unbroken)? Yes ☐ No ☒
8. Could all bottle labels be reconciled with the COC? Yes ☒ No ☐
9. Were sample(s) at the correct pH upon receipt? Yes ☒ No ☐ NA ☐
10. Were correct bottle(s) used for the test(s) indicated? Yes ☒ No ☐
11. Were air bubbles >6 mm in any VOA vials? Yes ☐ No ☒ NA ☐
12. Sufficient quantity received to perform indicated analyses? Yes ☒ No ☐
13. Was a trip blank present in the cooler(s)? Yes ☒ No ☐ Were VOAs on the COC? Yes ☒ No ☐
Contacted PM MR Date 11-11-11 by RS via Verbal ☒ Voice Mail ☐ Other ☐
Concerning #14 +15

14. CHAIN OF CUSTODY

The following discrepancies occurred:

Rec'd 4-40 TB's not on COC will log at end of Lot.

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.
Sample(s) 1xL B507 / 1xL B508 were received in a broken container.
Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in Sample
Receiving to meet recommended pH level(s). Nitric Acid Lot# 110410-HNO₃; Sulfuric Acid Lot# 110410-H₂SO₄; Sodium
Hydroxide Lot# 121809 -NaOH; Hydrochloric Acid Lot# 041911-HCl; Sodium Hydroxide and Zinc Acetate Lot# 100108-
(CH₃COO)₂ZN/NaOH. What time was preservative added to sample(s)? _____

Client ID	pH	Date	Initials
1030	12	11-11-11	RS
1040	12		
1045	12		
1050-04	12		
1050-05	12		
1100	12		
1110	12		
1115	12		

NOTES

Client ID

1150

1210

1210 FD

pH

2.

12 1212

12

Date _____

11-11-11

+

Initials

NS

+

Cooler #

10#

241-507

293

Client

11-0-1

11074

Temp. °C

29

1.8

25

$$\frac{2.5}{21}$$
$$\frac{2.1}{2.0}$$

5.0

2-2

Method

TR

8

1

Coolant

ice

2

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There is no handwriting or printed text on the paper.

Login Sample Receipt Checklist

Client: AMEC E&I, Inc

Job Number: 240-5811-1

Login Number: 5811

List Source: TestAmerica North Canton

List Number: 1

Creator: Sutek, Nick

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.9/1.8/2.5/2.1/3.0/2.2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Canton

4101 Shuffel Street NW

North Canton, OH 44720

Tel: (330)497-9396

TestAmerica Job ID: 240-10436-1

Client Project/Site: Honeywell Lake Linden

For:

AMEC Environment & Infrastructure, Inc.

46850 Magellan Drive, Suite 190

Novi, Michigan 48377

Attn: Daniel Dyer



Authorized for release by:

4/27/2012 3:04:56 PM

Mark Loeb

Project Manager II

mark.loeb@testamericainc.com

LINKS

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results through

TotalAccess

Have a Question?



Visit us at:

www.testamericainc.com

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

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

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Method Summary	7
Sample Summary	8
Detection Summary	9
Client Sample Results	11
QC Sample Results	16
QC Association Summary	23
Lab Chronicle	26
Certification Summary	28
Chain of Custody	29
Receipt Checklists	32



Definitions/Glossary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden

TestAmerica Job ID: 240-10436-1

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
U	Indicates the analyte was analyzed for but not detected.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
F	MS or MSD exceeds the control limits

General Chemistry

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden

TestAmerica Job ID: 240-10436-1

Job ID: 240-10436-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: AMEC Environment & Infrastructure, Inc.

Project: Honeywell Lake Linden

Report Number: 240-10436-1

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

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

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

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

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

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

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

RECEIPT

The samples were received on 04/20/2012; the samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 0.8 C.

DISSOLVED METALS (ICPMS)

Samples LLI01-BS11-0000-WSXX (240-10436-1), LLI01-BS12-0000-WSXX (240-10436-2) and LLI01-BS13-0000-WSXX (240-10436-3) were analyzed for dissolved metals (ICPMS) in accordance with EPA SW-846 Method 6020. The samples were prepared on 04/23/2012 and analyzed on 04/24/2012.

Barium, Copper and Zinc were detected in method blank MB 240-41173/1-B at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

Lead failed the recovery criteria high for the MSD of sample LLI01-BS13-0000-WSXXMSD (240-10436-3) in batch 240-41434. Refer to the QC report for details.

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

TOTAL RECOVERABLE METALS (ICPMS)

Case Narrative

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden

TestAmerica Job ID: 240-10436-1

Job ID: 240-10436-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

Samples LLI01-BS11-0000-WSXX (240-10436-1), LLI01-BS12-0000-WSXX (240-10436-2), LLI01-BS13-0000-WSXX (240-10436-3), LLI01-BS14-0000-WSXX (240-10436-4) and LLI01-BS14-0000-WSFD (240-10436-5) were analyzed for total recoverable metals (ICPMS) in accordance with EPA SW-846 Method 6020. The samples were prepared on 04/24/2012 and analyzed on 04/25/2012.

Barium, Copper and Zinc were detected in method blank MB 240-41300/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

Lead failed the recovery criteria high for the MS of sample LLI01-BS13-0000-WSXXMS/MSD (240-10436-3) in batch 240-41639. Refer to the QC report for details.

The presence of the '4' qualifier in the data indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount. Refer to the QC report for details.

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

DISSOLVED MERCURY (CVAA)

Samples LLI01-BS11-0000-WSXX (240-10436-1), LLI01-BS12-0000-WSXX (240-10436-2) and LLI01-BS13-0000-WSXX (240-10436-3) were analyzed for dissolved mercury (CVAA) in accordance with EPA SW-846 Methods 7470A. The samples were prepared on 04/23/2012 and analyzed on 04/25/2012.

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

TOTAL MERCURY

Samples LLI01-BS11-0000-WSXX (240-10436-1), LLI01-BS12-0000-WSXX (240-10436-2), LLI01-BS13-0000-WSXX (240-10436-3), LLI01-BS14-0000-WSXX (240-10436-4) and LLI01-BS14-0000-WSFD (240-10436-5) were analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared on 04/23/2012, 04/24/2012 and 04/25/2012 and analyzed on 04/25/2012 and 04/26/2012.

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

TOTAL DISSOLVED SOLIDS

Samples LLI01-BS11-0000-WSXX (240-10436-1), LLI01-BS12-0000-WSXX (240-10436-2) and LLI01-BS13-0000-WSXX (240-10436-3) were analyzed for total dissolved solids in accordance with SM 2540C. The samples were analyzed on 04/25/2012.

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

TOTAL SUSPENDED SOLIDS

Samples LLI01-BS11-0000-WSXX (240-10436-1), LLI01-BS12-0000-WSXX (240-10436-2) and LLI01-BS13-0000-WSXX (240-10436-3) were analyzed for total suspended solids in accordance with SM 2540D. The samples were analyzed on 04/24/2012.

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

AMMONIA BY ION SELECTIVE ELECTRODE

Samples LLI01-BS11-0000-WSXX (240-10436-1), LLI01-BS12-0000-WSXX (240-10436-2), LLI01-BS13-0000-WSXX (240-10436-3), LLI01-BS14-0000-WSXX (240-10436-4) and LLI01-BS14-0000-WSFD (240-10436-5) were analyzed for ammonia by ion selective electrode in accordance with SM 4500 NH3 F. The samples were analyzed on 04/24/2012.

Ammonia was detected in method blank MB 240-41381/7 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

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

Case Narrative

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden

TestAmerica Job ID: 240-10436-1

Job ID: 240-10436-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

TOTAL ORGANIC CARBON

Samples LLI01-BS11-0000-WSXX (240-10436-1), LLI01-BS12-0000-WSXX (240-10436-2), LLI01-BS13-0000-WSXX (240-10436-3), LLI01-BS14-0000-WSXX (240-10436-4) and LLI01-BS14-0000-WSFD (240-10436-5) were analyzed for total organic carbon in accordance with EPA SW-846 Method 9060. The samples were analyzed on 04/24/2012.

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

CARBONACEOUS BIOCHEMICAL OXYGEN DEMAND

Samples LLI01-BS11-0000-WSXX (240-10436-1), LLI01-BS12-0000-WSXX (240-10436-2), LLI01-BS13-0000-WSXX (240-10436-3), LLI01-BS14-0000-WSXX (240-10436-4) and LLI01-BS14-0000-WSFD (240-10436-5) were analyzed for Carbonaceous Biochemical Oxygen Demand in accordance with SM 5210B. The samples were analyzed on 04/20/2012.

The associated CBOD samples were in an incubator that briefly dropped below the method required temp by 0.1 degree C. The samples are reported with narration. LLI01-BS11-0000-WSXX (240-10436-1), LLI01-BS12-0000-WSXX (240-10436-2), LLI01-BS13-0000-WSXX (240-10436-3), LLI01-BS13-0000-WSXX (240-10436-3 DU), LLI01-BS14-0000-WSFD (240-10436-5), LLI01-BS14-0000-WSXX (240-10436-4)

The dilution water depletion result associated with CBOD batch 41072 was higher than the method-required limit of 0.20 mg/L at 0.52 mg/L, but was below the reporting limit of 2.0 mg/L. The associated sample results are reported.

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

Method Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden

TestAmerica Job ID: 240-10436-1

Method	Method Description	Protocol	Laboratory
6020	Metals (ICP/MS)	SW846	TAL NC
7470A	Mercury (CVAA)	SW846	TAL NC
9060	Organic Carbon, Total (TOC)	SW846	TAL NC
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL NC
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL NC
SM 5210B	BOD, 5-Day	SM	TAL NC
SM4500 NH3 -F	Ammonia	SM18	TAL NC

Protocol References:

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

SM18 = "Standard Methods For The Examination Of Water And Wastewater", 18th Edition, 1992.

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

Laboratory References:

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

Sample Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden

TestAmerica Job ID: 240-10436-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-10436-1	LLI01-BS11-0000-WSXX	Water	04/19/12 10:45	04/20/12 10:00
240-10436-2	LLI01-BS12-0000-WSXX	Water	04/19/12 10:55	04/20/12 10:00
240-10436-3	LLI01-BS13-0000-WSXX	Water	04/19/12 11:10	04/20/12 10:00
240-10436-4	LLI01-BS14-0000-WSXX	Water	04/19/12 11:30	04/20/12 10:00
240-10436-5	LLI01-BS14-0000-WSFD	Water	04/19/12 00:00	04/20/12 10:00

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden

TestAmerica Job ID: 240-10436-1

Client Sample ID: LLI01-BS11-0000-WSXX

Lab Sample ID: 240-10436-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.7	J	5.0	0.40	ug/L	1		6020	Total Recovera
Barium	430	B	5.0	0.19	ug/L	1		6020	Total Recovera
Cadmium	2.5		1.0	0.13	ug/L	1		6020	Total Recovera
Chromium	15		2.0	0.71	ug/L	1		6020	Total Recovera
Copper	430	B	2.0	0.29	ug/L	1		6020	Total Recovera
Lead	5000		1.0	0.18	ug/L	1		6020	Total Recovera
Selenium	2.3	J	5.0	0.57	ug/L	1		6020	Total Recovera
Zinc	1400	B	20	2.3	ug/L	1		6020	Total Recovera
Silver	0.19	J	0.20	0.080	ug/L	1		6020	Total Recovera
Arsenic	0.92	J	5.0	0.40	ug/L	1		6020	Dissolved
Barium	50	B	5.0	0.19	ug/L	1		6020	Dissolved
Cadmium	0.61	J	1.0	0.13	ug/L	1		6020	Dissolved
Copper	22	B	2.0	0.29	ug/L	1		6020	Dissolved
Lead	19		1.0	0.18	ug/L	1		6020	Dissolved
Selenium	2.1	J	5.0	0.57	ug/L	1		6020	Dissolved
Zinc	160	B	20	2.3	ug/L	1		6020	Dissolved
Mercury	0.28		0.20	0.12	ug/L	1		7470A	Total/NA
Total Organic Carbon	5.2		1.0	0.24	mg/L	1		9060	Total/NA
Total Dissolved Solids	340		10	7.4	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	39		4.0	1.8	mg/L	1		SM 2540D	Total/NA
Ammonia	0.098	J B	0.20	0.035	mg/L	1		SM4500 NH3 -F	Total/NA

Client Sample ID: LLI01-BS12-0000-WSXX

Lab Sample ID: 240-10436-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	1.0	J	5.0	0.40	ug/L	1		6020	Total Recovera
Barium	67	B	5.0	0.19	ug/L	1		6020	Total Recovera
Cadmium	0.70	J	1.0	0.13	ug/L	1		6020	Total Recovera
Chromium	1.2	J	2.0	0.71	ug/L	1		6020	Total Recovera
Copper	75	B	2.0	0.29	ug/L	1		6020	Total Recovera
Lead	360		1.0	0.18	ug/L	1		6020	Total Recovera
Selenium	1.9	J	5.0	0.57	ug/L	1		6020	Total Recovera
Zinc	150	B	20	2.3	ug/L	1		6020	Total Recovera
Arsenic	0.76	J	5.0	0.40	ug/L	1		6020	Dissolved
Barium	56	B	5.0	0.19	ug/L	1		6020	Dissolved
Cadmium	0.60	J	1.0	0.13	ug/L	1		6020	Dissolved
Copper	32	B	2.0	0.29	ug/L	1		6020	Dissolved
Lead	31		1.0	0.18	ug/L	1		6020	Dissolved
Selenium	2.0	J	5.0	0.57	ug/L	1		6020	Dissolved
Zinc	110	B	20	2.3	ug/L	1		6020	Dissolved
Total Organic Carbon	3.6		1.0	0.24	mg/L	1		9060	Total/NA
Total Dissolved Solids	350		10	7.4	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	30		4.0	1.8	mg/L	1		SM 2540D	Total/NA
Ammonia	0.11	J B	0.20	0.035	mg/L	1		SM4500 NH3 -F	Total/NA

Client Sample ID: LLI01-BS13-0000-WSXX

Lab Sample ID: 240-10436-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	5.9		5.0	0.40	ug/L	1		6020	Total Recovera
Barium	160	B	5.0	0.19	ug/L	1		6020	Total Recovera
Cadmium	1.9		1.0	0.13	ug/L	1		6020	Total Recovera
Chromium	9.3		2.0	0.71	ug/L	1		6020	Total Recovera
Copper	240	B	2.0	0.29	ug/L	1		6020	Total Recovera
Lead	7900		1.0	0.18	ug/L	1		6020	Total Recovera

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden

TestAmerica Job ID: 240-10436-1

Client Sample ID: LLI01-BS13-0000-WSXX (Continued)

Lab Sample ID: 240-10436-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Selenium	2.1	J	5.0	0.57	ug/L	1			6020	Total Recovera
Zinc	990	B	20	2.3	ug/L	1			6020	Total Recovera
Silver	0.19	J	0.20	0.080	ug/L	1			6020	Total Recovera
Arsenic	0.81	J	5.0	0.40	ug/L	1			6020	Dissolved
Barium	40	B	5.0	0.19	ug/L	1			6020	Dissolved
Cadmium	0.79	J	1.0	0.13	ug/L	1			6020	Dissolved
Copper	24	B	2.0	0.29	ug/L	1			6020	Dissolved
Lead	86		1.0	0.18	ug/L	1			6020	Dissolved
Selenium	1.6	J	5.0	0.57	ug/L	1			6020	Dissolved
Zinc	210	B	20	2.3	ug/L	1			6020	Dissolved
Total Organic Carbon	3.5		1.0	0.24	mg/L	1			9060	Total/NA
Total Dissolved Solids	320		10	7.4	mg/L	1			SM 2540C	Total/NA
Total Suspended Solids	20		4.0	1.8	mg/L	1			SM 2540D	Total/NA
Ammonia	0.15	J B	0.20	0.035	mg/L	1			SM4500 NH3 -F	Total/NA

Client Sample ID: LLI01-BS14-0000-WSXX

Lab Sample ID: 240-10436-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Arsenic	1.9	J	5.0	0.40	ug/L	1			6020	Total Recovera
Barium	82	B	5.0	0.19	ug/L	1			6020	Total Recovera
Cadmium	0.97	J	1.0	0.13	ug/L	1			6020	Total Recovera
Chromium	2.8		2.0	0.71	ug/L	1			6020	Total Recovera
Copper	320	B	2.0	0.29	ug/L	1			6020	Total Recovera
Lead	550		1.0	0.18	ug/L	1			6020	Total Recovera
Selenium	1.9	J	5.0	0.57	ug/L	1			6020	Total Recovera
Zinc	190	B	20	2.3	ug/L	1			6020	Total Recovera
Mercury	0.18	J	0.20	0.12	ug/L	1			7470A	Total/NA
Total Organic Carbon	3.5		1.0	0.24	mg/L	1			9060	Total/NA
Ammonia	0.13	J B	0.20	0.035	mg/L	1			SM4500 NH3 -F	Total/NA

Client Sample ID: LLI01-BS14-0000-WSFD

Lab Sample ID: 240-10436-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Arsenic	2.1	J	5.0	0.40	ug/L	1			6020	Total Recovera
Barium	170	B	5.0	0.19	ug/L	1			6020	Total Recovera
Cadmium	1.0		1.0	0.13	ug/L	1			6020	Total Recovera
Chromium	2.3		2.0	0.71	ug/L	1			6020	Total Recovera
Copper	480	B	2.0	0.29	ug/L	1			6020	Total Recovera
Lead	870		1.0	0.18	ug/L	1			6020	Total Recovera
Selenium	1.6	J	5.0	0.57	ug/L	1			6020	Total Recovera
Zinc	250	B	20	2.3	ug/L	1			6020	Total Recovera
Silver	0.091	J	0.20	0.080	ug/L	1			6020	Total Recovera
Mercury	0.20		0.20	0.12	ug/L	1			7470A	Total/NA
Total Organic Carbon	3.5		1.0	0.24	mg/L	1			9060	Total/NA
Ammonia	0.13	J B	0.20	0.035	mg/L	1			SM4500 NH3 -F	Total/NA

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden

TestAmerica Job ID: 240-10436-1

Client Sample ID: LLI01-BS11-0000-WSXX

Lab Sample ID: 240-10436-1

Date Collected: 04/19/12 10:45

Matrix: Water

Date Received: 04/20/12 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.7	J	5.0	0.40	ug/L		04/24/12 08:55	04/25/12 11:20	1
Barium	430	B	5.0	0.19	ug/L		04/24/12 08:55	04/25/12 11:20	1
Cadmium	2.5		1.0	0.13	ug/L		04/24/12 08:55	04/25/12 11:20	1
Chromium	15		2.0	0.71	ug/L		04/24/12 08:55	04/25/12 11:20	1
Copper	430	B	2.0	0.29	ug/L		04/24/12 08:55	04/25/12 11:20	1
Lead	5000		1.0	0.18	ug/L		04/24/12 08:55	04/25/12 11:20	1
Selenium	2.3	J	5.0	0.57	ug/L		04/24/12 08:55	04/25/12 11:20	1
Zinc	1400	B	20	2.3	ug/L		04/24/12 08:55	04/25/12 11:20	1
Silver	0.19	J	0.20	0.080	ug/L		04/24/12 08:55	04/25/12 11:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.92	J	5.0	0.40	ug/L		04/23/12 10:46	04/24/12 09:11	1
Barium	50	B	5.0	0.19	ug/L		04/23/12 10:46	04/24/12 09:11	1
Cadmium	0.61	J	1.0	0.13	ug/L		04/23/12 10:46	04/24/12 09:11	1
Chromium	2.0	U	2.0	0.71	ug/L		04/23/12 10:46	04/24/12 09:11	1
Copper	22	B	2.0	0.29	ug/L		04/23/12 10:46	04/24/12 09:11	1
Lead	19		1.0	0.18	ug/L		04/23/12 10:46	04/24/12 09:11	1
Selenium	2.1	J	5.0	0.57	ug/L		04/23/12 10:46	04/24/12 09:11	1
Zinc	160	B	20	2.3	ug/L		04/23/12 10:46	04/24/12 09:11	1
Silver	1.0	U	1.0	0.080	ug/L		04/23/12 10:46	04/24/12 09:11	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.28		0.20	0.12	ug/L		04/23/12 14:00	04/25/12 14:36	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		04/23/12 14:00	04/25/12 14:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	5.2		1.0	0.24	mg/L			04/24/12 16:46	1
Total Dissolved Solids	340		10	7.4	mg/L			04/25/12 11:00	1
Total Suspended Solids	39		4.0	1.8	mg/L			04/24/12 10:09	1
Carbonaceous Biochemical Oxygen Demand	2.0	U	2.0	2.0	mg/L			04/20/12 17:18	1
Ammonia	0.098	J B	0.20	0.035	mg/L			04/24/12 09:53	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden

TestAmerica Job ID: 240-10436-1

Client Sample ID: LLI01-BS12-0000-WSXX

Lab Sample ID: 240-10436-2

Date Collected: 04/19/12 10:55

Matrix: Water

Date Received: 04/20/12 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.0	J	5.0	0.40	ug/L		04/24/12 08:55	04/25/12 11:26	1
Barium	67	B	5.0	0.19	ug/L		04/24/12 08:55	04/25/12 11:26	1
Cadmium	0.70	J	1.0	0.13	ug/L		04/24/12 08:55	04/25/12 11:26	1
Chromium	1.2	J	2.0	0.71	ug/L		04/24/12 08:55	04/25/12 11:26	1
Copper	75	B	2.0	0.29	ug/L		04/24/12 08:55	04/25/12 11:26	1
Lead	360		1.0	0.18	ug/L		04/24/12 08:55	04/25/12 11:26	1
Selenium	1.9	J	5.0	0.57	ug/L		04/24/12 08:55	04/25/12 11:26	1
Zinc	150	B	20	2.3	ug/L		04/24/12 08:55	04/25/12 11:26	1
Silver	0.20	U	0.20	0.080	ug/L		04/24/12 08:55	04/25/12 11:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.76	J	5.0	0.40	ug/L		04/23/12 10:46	04/24/12 09:16	1
Barium	56	B	5.0	0.19	ug/L		04/23/12 10:46	04/24/12 09:16	1
Cadmium	0.60	J	1.0	0.13	ug/L		04/23/12 10:46	04/24/12 09:16	1
Chromium	2.0	U	2.0	0.71	ug/L		04/23/12 10:46	04/24/12 09:16	1
Copper	32	B	2.0	0.29	ug/L		04/23/12 10:46	04/24/12 09:16	1
Lead	31		1.0	0.18	ug/L		04/23/12 10:46	04/24/12 09:16	1
Selenium	2.0	J	5.0	0.57	ug/L		04/23/12 10:46	04/24/12 09:16	1
Zinc	110	B	20	2.3	ug/L		04/23/12 10:46	04/24/12 09:16	1
Silver	1.0	U	1.0	0.080	ug/L		04/23/12 10:46	04/24/12 09:16	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		04/25/12 14:45	04/26/12 12:33	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		04/23/12 14:00	04/25/12 14:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	3.6		1.0	0.24	mg/L			04/24/12 17:28	1
Total Dissolved Solids	350		10	7.4	mg/L			04/25/12 11:00	1
Total Suspended Solids	30		4.0	1.8	mg/L			04/24/12 10:09	1
Carbonaceous Biochemical Oxygen Demand	2.0	U	2.0	2.0	mg/L			04/20/12 17:12	1
Ammonia	0.11	J B	0.20	0.035	mg/L			04/24/12 09:54	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden

TestAmerica Job ID: 240-10436-1

Client Sample ID: LLI01-BS13-0000-WSXX

Lab Sample ID: 240-10436-3

Date Collected: 04/19/12 11:10

Matrix: Water

Date Received: 04/20/12 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.9		5.0	0.40	ug/L		04/24/12 08:55	04/25/12 10:42	1
Barium	160	B	5.0	0.19	ug/L		04/24/12 08:55	04/25/12 10:42	1
Cadmium	1.9		1.0	0.13	ug/L		04/24/12 08:55	04/25/12 10:42	1
Chromium	9.3		2.0	0.71	ug/L		04/24/12 08:55	04/25/12 10:42	1
Copper	240	B	2.0	0.29	ug/L		04/24/12 08:55	04/25/12 10:42	1
Lead	7900		1.0	0.18	ug/L		04/24/12 08:55	04/25/12 10:42	1
Selenium	2.1	J	5.0	0.57	ug/L		04/24/12 08:55	04/25/12 10:42	1
Zinc	990	B	20	2.3	ug/L		04/24/12 08:55	04/25/12 10:42	1
Silver	0.19	J	0.20	0.080	ug/L		04/24/12 08:55	04/25/12 10:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.81	J	5.0	0.40	ug/L		04/23/12 10:46	04/24/12 08:46	1
Barium	40	B	5.0	0.19	ug/L		04/23/12 10:46	04/24/12 08:46	1
Cadmium	0.79	J	1.0	0.13	ug/L		04/23/12 10:46	04/24/12 08:46	1
Chromium	2.0	U	2.0	0.71	ug/L		04/23/12 10:46	04/24/12 08:46	1
Copper	24	B	2.0	0.29	ug/L		04/23/12 10:46	04/24/12 08:46	1
Lead	86		1.0	0.18	ug/L		04/23/12 10:46	04/24/12 08:46	1
Selenium	1.6	J	5.0	0.57	ug/L		04/23/12 10:46	04/24/12 08:46	1
Zinc	210	B	20	2.3	ug/L		04/23/12 10:46	04/24/12 08:46	1
Silver	1.0	U	1.0	0.080	ug/L		04/23/12 10:46	04/24/12 08:46	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		04/25/12 14:45	04/26/12 11:45	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		04/23/12 14:00	04/25/12 13:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	3.5		1.0	0.24	mg/L			04/24/12 15:43	1
Total Dissolved Solids	320		10	7.4	mg/L			04/25/12 11:00	1
Total Suspended Solids	20		4.0	1.8	mg/L			04/24/12 10:09	1
Carbonaceous Biochemical Oxygen Demand	2.0	U	2.0	2.0	mg/L			04/20/12 16:50	1
Ammonia	0.15	J B	0.20	0.035	mg/L			04/24/12 09:54	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden

TestAmerica Job ID: 240-10436-1

Client Sample ID: LLI01-BS14-0000-WSXX

Lab Sample ID: 240-10436-4

Date Collected: 04/19/12 11:30

Matrix: Water

Date Received: 04/20/12 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.9	J	5.0	0.40	ug/L		04/24/12 08:55	04/25/12 11:31	1
Barium	82	B	5.0	0.19	ug/L		04/24/12 08:55	04/25/12 11:31	1
Cadmium	0.97	J	1.0	0.13	ug/L		04/24/12 08:55	04/25/12 11:31	1
Chromium	2.8		2.0	0.71	ug/L		04/24/12 08:55	04/25/12 11:31	1
Copper	320	B	2.0	0.29	ug/L		04/24/12 08:55	04/25/12 11:31	1
Lead	550		1.0	0.18	ug/L		04/24/12 08:55	04/25/12 11:31	1
Selenium	1.9	J	5.0	0.57	ug/L		04/24/12 08:55	04/25/12 11:31	1
Zinc	190	B	20	2.3	ug/L		04/24/12 08:55	04/25/12 11:31	1
Silver	0.20	U	0.20	0.080	ug/L		04/24/12 08:55	04/25/12 11:31	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.18	J	0.20	0.12	ug/L		04/24/12 14:00	04/25/12 16:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	3.5		1.0	0.24	mg/L			04/24/12 18:09	1
Carbonaceous Biochemical Oxygen Demand	2.0	U	2.0	2.0	mg/L			04/20/12 17:05	1
Ammonia	0.13	J B	0.20	0.035	mg/L			04/24/12 09:54	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden

TestAmerica Job ID: 240-10436-1

Client Sample ID: LLI01-BS14-0000-WSFD

Lab Sample ID: 240-10436-5

Date Collected: 04/19/12 00:00

Matrix: Water

Date Received: 04/20/12 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.1	J	5.0	0.40	ug/L		04/24/12 08:55	04/25/12 11:37	1
Barium	170	B	5.0	0.19	ug/L		04/24/12 08:55	04/25/12 11:37	1
Cadmium	1.0		1.0	0.13	ug/L		04/24/12 08:55	04/25/12 11:37	1
Chromium	2.3		2.0	0.71	ug/L		04/24/12 08:55	04/25/12 11:37	1
Copper	480	B	2.0	0.29	ug/L		04/24/12 08:55	04/25/12 11:37	1
Lead	870		1.0	0.18	ug/L		04/24/12 08:55	04/25/12 11:37	1
Selenium	1.6	J	5.0	0.57	ug/L		04/24/12 08:55	04/25/12 11:37	1
Zinc	250	B	20	2.3	ug/L		04/24/12 08:55	04/25/12 11:37	1
Silver	0.091	J	0.20	0.080	ug/L		04/24/12 08:55	04/25/12 11:37	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20		0.20	0.12	ug/L		04/24/12 14:00	04/25/12 16:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	3.5		1.0	0.24	mg/L			04/24/12 18:50	1
Carbonaceous Biochemical Oxygen Demand	2.0	U	2.0	2.0	mg/L			04/20/12 16:42	1
Ammonia	0.13	J B	0.20	0.035	mg/L			04/24/12 09:54	1

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden

TestAmerica Job ID: 240-10436-1

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: LCS 240-41180/2-A

Matrix: Water

Analysis Batch: 41434

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 41180

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1000	1050		ug/L		105	80 - 120
Barium	1000	1090		ug/L		109	80 - 120
Cadmium	1000	1090		ug/L		109	80 - 120
Chromium	1000	1080		ug/L		108	80 - 120
Copper	1000	1110		ug/L		111	80 - 120
Lead	1000	1150		ug/L		115	80 - 120
Selenium	1000	1090		ug/L		109	80 - 120
Zinc	1000	1100		ug/L		110	80 - 120
Silver	100	110		ug/L		110	80 - 120

Lab Sample ID: MB 240-41300/1-A

Matrix: Water

Analysis Batch: 41639

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 41300

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0	U	5.0	0.40	ug/L		04/24/12 08:55	04/25/12 10:30	1
Barium	0.562	J	5.0	0.19	ug/L		04/24/12 08:55	04/25/12 10:30	1
Cadmium	1.0	U	1.0	0.13	ug/L		04/24/12 08:55	04/25/12 10:30	1
Chromium	2.0	U	2.0	0.71	ug/L		04/24/12 08:55	04/25/12 10:30	1
Copper	0.459	J	2.0	0.29	ug/L		04/24/12 08:55	04/25/12 10:30	1
Lead	1.0	U	1.0	0.18	ug/L		04/24/12 08:55	04/25/12 10:30	1
Selenium	5.0	U	5.0	0.57	ug/L		04/24/12 08:55	04/25/12 10:30	1
Zinc	2.77	J	20	2.3	ug/L		04/24/12 08:55	04/25/12 10:30	1
Silver	0.20	U	0.20	0.080	ug/L		04/24/12 08:55	04/25/12 10:30	1

Lab Sample ID: LCS 240-41300/2-A

Matrix: Water

Analysis Batch: 41639

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 41300

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1000	909		ug/L		91	80 - 120
Barium	1000	926		ug/L		93	80 - 120
Cadmium	1000	932		ug/L		93	80 - 120
Chromium	1000	917		ug/L		92	80 - 120
Copper	1000	950		ug/L		95	80 - 120
Lead	1000	978		ug/L		98	80 - 120
Selenium	1000	926		ug/L		93	80 - 120
Zinc	1000	942		ug/L		94	80 - 120
Silver	100	96.3		ug/L		96	80 - 120

Lab Sample ID: 240-10436-3 MS

Matrix: Water

Analysis Batch: 41639

Client Sample ID: LLI01-BS13-0000-WSXX

Prep Type: Total Recoverable

Prep Batch: 41300

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	5.9		1000	990		ug/L		98	82 - 123
Barium	160	B	1000	1140		ug/L		98	45 - 144
Cadmium	1.9		1000	987		ug/L		99	78 - 117
Chromium	9.3		1000	989		ug/L		98	72 - 110
Copper	240	B	1000	1230		ug/L		99	60 - 123

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden

TestAmerica Job ID: 240-10436-1

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

Lab Sample ID: 240-10436-3 MS

Matrix: Water

Analysis Batch: 41639

Client Sample ID: LLI01-BS13-0000-WSXX

Prep Type: Total Recoverable

Prep Batch: 41300

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	7900		1000	9410	4	ug/L		153	73 - 115
Selenium	2.1	J	1000	982		ug/L		98	72 - 148
Zinc	990	B	1000	2020		ug/L		103	49 - 156
Silver	0.19	J	100	100		ug/L		100	10 - 139

Lab Sample ID: 240-10436-3 MSD

Matrix: Water

Analysis Batch: 41639

Client Sample ID: LLI01-BS13-0000-WSXX

Prep Type: Total Recoverable

Prep Batch: 41300

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	5.9		1000	1010		ug/L		100	82 - 123	2	20
Barium	160	B	1000	1140		ug/L		98	45 - 144	0	20
Cadmium	1.9		1000	1000		ug/L		100	78 - 117	1	20
Chromium	9.3		1000	1010		ug/L		100	72 - 110	2	20
Copper	240	B	1000	1250		ug/L		101	60 - 123	2	20
Lead	7900		1000	9510	4	ug/L		163	73 - 115	1	20
Selenium	2.1	J	1000	993		ug/L		99	72 - 148	1	20
Zinc	990	B	1000	2040		ug/L		105	49 - 156	1	20
Silver	0.19	J	100	102		ug/L		101	10 - 139	2	20

Lab Sample ID: MB 240-41173/1-B

Matrix: Water

Analysis Batch: 41434

Client Sample ID: Method Blank

Prep Type: Dissolved

Prep Batch: 41180

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0	U	5.0	0.40	ug/L		04/23/12 10:46	04/24/12 08:34	1
Barium	0.953	J	5.0	0.19	ug/L		04/23/12 10:46	04/24/12 08:34	1
Cadmium	1.0	U	1.0	0.13	ug/L		04/23/12 10:46	04/24/12 08:34	1
Chromium	2.0	U	2.0	0.71	ug/L		04/23/12 10:46	04/24/12 08:34	1
Copper	0.750	J	2.0	0.29	ug/L		04/23/12 10:46	04/24/12 08:34	1
Lead	1.0	U	1.0	0.18	ug/L		04/23/12 10:46	04/24/12 08:34	1
Selenium	5.0	U	5.0	0.57	ug/L		04/23/12 10:46	04/24/12 08:34	1
Zinc	14.1	J	20	2.3	ug/L		04/23/12 10:46	04/24/12 08:34	1
Silver	1.0	U	1.0	0.080	ug/L		04/23/12 10:46	04/24/12 08:34	1

Lab Sample ID: 240-10436-3 MS

Matrix: Water

Analysis Batch: 41434

Client Sample ID: LLI01-BS13-0000-WSXX

Prep Type: Dissolved

Prep Batch: 41180

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.81	J	1000	1060		ug/L		105	82 - 123
Barium	40	B	1000	1110		ug/L		106	45 - 144
Cadmium	0.79	J	1000	1060		ug/L		106	78 - 117
Chromium	2.0	U	1000	1060		ug/L		106	72 - 110
Copper	24	B	1000	1080		ug/L		106	60 - 123
Lead	86		1000	1230		ug/L		115	73 - 115
Selenium	1.6	J	1000	1050		ug/L		105	72 - 148
Zinc	210	B	1000	1260		ug/L		104	49 - 156
Silver	1.0	U	100	106		ug/L		106	10 - 139

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden

TestAmerica Job ID: 240-10436-1

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

Lab Sample ID: 240-10436-3 MSD

Matrix: Water

Analysis Batch: 41434

Client Sample ID: LLI01-BS13-0000-WSXX

Prep Type: Dissolved

Prep Batch: 41180

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	0.81	J	1000	1060		ug/L		106	82 - 123	0	20
Barium	40	B	1000	1120		ug/L		108	45 - 144	1	20
Cadmium	0.79	J	1000	1060		ug/L		106	78 - 117	0	20
Chromium	2.0	U	1000	1060		ug/L		106	72 - 110	0	20
Copper	24	B	1000	1090		ug/L		106	60 - 123	0	20
Lead	86		1000	1250	F	ug/L		116	73 - 115	1	20
Selenium	1.6	J	1000	1060		ug/L		106	72 - 148	1	20
Zinc	210	B	1000	1270		ug/L		105	49 - 156	1	20
Silver	1.0	U	100	106		ug/L		106	10 - 139	0	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 240-41179/1-A

Matrix: Water

Analysis Batch: 41694

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 41179

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		04/23/12 14:00	04/25/12 13:19	1

Lab Sample ID: LCS 240-41179/2-A

Matrix: Water

Analysis Batch: 41694

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 41179

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	5.00	4.55		ug/L		91	81 - 123

Lab Sample ID: MB 240-41345/1-A

Matrix: Water

Analysis Batch: 41694

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 41345

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		04/24/12 14:00	04/25/12 16:01	1

Lab Sample ID: LCS 240-41345/2-A

Matrix: Water

Analysis Batch: 41694

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 41345

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	5.00	4.81		ug/L		96	81 - 123

Lab Sample ID: MB 240-41493/1-A

Matrix: Water

Analysis Batch: 41861

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 41493

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		04/25/12 14:45	04/26/12 11:31	1

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden

TestAmerica Job ID: 240-10436-1

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

Lab Sample ID: LCS 240-41493/2-A

Matrix: Water

Analysis Batch: 41861

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 41493

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	5.00	4.43		ug/L		89	81 - 123

Lab Sample ID: 240-10436-3 MS

Matrix: Water

Analysis Batch: 41861

Client Sample ID: LLI01-BS13-0000-WSXX

Prep Type: Total/NA

Prep Batch: 41493

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.20	U	1.00	0.921		ug/L		92	69 - 134

Lab Sample ID: 240-10436-3 MSD

Matrix: Water

Analysis Batch: 41861

Client Sample ID: LLI01-BS13-0000-WSXX

Prep Type: Total/NA

Prep Batch: 41493

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.20	U	1.00	0.940		ug/L		94	69 - 134	2	20

Lab Sample ID: 240-10436-3 MS

Matrix: Water

Analysis Batch: 41694

Client Sample ID: LLI01-BS13-0000-WSXX

Prep Type: Dissolved

Prep Batch: 41179

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.20	U	1.00	0.952		ug/L		95	69 - 134

Lab Sample ID: 240-10436-3 MSD

Matrix: Water

Analysis Batch: 41694

Client Sample ID: LLI01-BS13-0000-WSXX

Prep Type: Dissolved

Prep Batch: 41179

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.20	U	1.00	0.996		ug/L		100	69 - 134	5	20

Method: 9060 - Organic Carbon, Total (TOC)

Lab Sample ID: MB 240-41432/3

Matrix: Water

Analysis Batch: 41432

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	1.0	U	1.0	0.24	mg/L			04/24/12 15:22	1

Lab Sample ID: LCS 240-41432/4

Matrix: Water

Analysis Batch: 41432

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	65.5	65.5		mg/L		100	88 - 115

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden

TestAmerica Job ID: 240-10436-1

Method: 9060 - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: 240-10436-3 MS

Matrix: Water

Analysis Batch: 41432

Client Sample ID: LLI01-BS13-0000-WSXX

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	3.5		25.0	28.7		mg/L		101	72 - 136

Lab Sample ID: 240-10436-3 MSD

Matrix: Water

Analysis Batch: 41432

Client Sample ID: LLI01-BS13-0000-WSXX

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Organic Carbon	3.5		25.0	27.9		mg/L		98	72 - 136	3	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 240-41526/1

Matrix: Water

Analysis Batch: 41526

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	10	U	10	7.4	mg/L			04/25/12 11:00	1

Lab Sample ID: LCS 240-41526/2

Matrix: Water

Analysis Batch: 41526

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	241	214		mg/L		89	88 - 110

Lab Sample ID: 240-10436-3 DU

Matrix: Water

Analysis Batch: 41526

Client Sample ID: LLI01-BS13-0000-WSXX

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	320		365		mg/L		13	20

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 240-41337/1

Matrix: Water

Analysis Batch: 41337

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	4.0	U	4.0	1.8	mg/L			04/24/12 10:09	1

Lab Sample ID: LCS 240-41337/2

Matrix: Water

Analysis Batch: 41337

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	39.1	38.0		mg/L		97	73 - 113

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden

TestAmerica Job ID: 240-10436-1

Method: SM 2540D - Solids, Total Suspended (TSS) (Continued)

Lab Sample ID: 240-10436-3 DU

Matrix: Water

Analysis Batch: 41337

Client Sample ID: LLI01-BS13-0000-WSXX

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Total Suspended Solids	20		23.0		mg/L		14	20

Method: SM 5210B - BOD, 5-Day

Lab Sample ID: SCB 240-40999/2 SCB

Matrix: Water

Analysis Batch: 40999

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	SCB Result	SCB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbonaceous Biochemical Oxygen Demand	2.0	U	2.0	2.0	mg/L			04/20/12 12:35	1

Lab Sample ID: USB 240-40999/1 USB

Matrix: Water

Analysis Batch: 40999

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbonaceous Biochemical Oxygen Demand	2.0	U	2.0	2.0	mg/L			04/20/12 12:33	1

Lab Sample ID: LCS 240-40999/3

Matrix: Water

Analysis Batch: 40999

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbonaceous Biochemical Oxygen Demand	198	214		mg/L		108	22 - 129

Lab Sample ID: 240-10436-3 DU

Matrix: Water

Analysis Batch: 40999

Client Sample ID: LLI01-BS13-0000-WSXX

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Carbonaceous Biochemical Oxygen Demand	2.0	U	2.0	U	mg/L		NC	20

Method: SM4500 NH3 -F - Ammonia

Lab Sample ID: MB 240-41381/7

Matrix: Water

Analysis Batch: 41381

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.0399	J	0.20	0.035	mg/L			04/24/12 09:24	1

Lab Sample ID: LCS 240-41381/8

Matrix: Water

Analysis Batch: 41381

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	6.86	6.23		mg/L		91	85 - 114

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden

TestAmerica Job ID: 240-10436-1

Method: SM4500 NH3 -F - Ammonia (Continued)

Lab Sample ID: 240-10436-3 MS

Matrix: Water

Analysis Batch: 41381

Client Sample ID: LLI01-BS13-0000-WSXX

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	0.15	J B	2.50	2.61		mg/L		98	75 - 125

Lab Sample ID: 240-10436-3 MSD

Matrix: Water

Analysis Batch: 41381

Client Sample ID: LLI01-BS13-0000-WSXX

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ammonia	0.15	J B	2.50	2.64		mg/L		100	75 - 125	1	20

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden

TestAmerica Job ID: 240-10436-1

Metals

Prep Batch: 41179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-10436-1	LLI01-BS11-0000-WSXX	Total/NA	Water	7470A	
240-10436-1	LLI01-BS11-0000-WSXX	Dissolved	Water	7470A	
240-10436-2	LLI01-BS12-0000-WSXX	Dissolved	Water	7470A	
240-10436-3	LLI01-BS13-0000-WSXX	Dissolved	Water	7470A	
240-10436-3 MS	LLI01-BS13-0000-WSXX	Dissolved	Water	7470A	
240-10436-3 MSD	LLI01-BS13-0000-WSXX	Dissolved	Water	7470A	
LCS 240-41179/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 240-41179/1-A	Method Blank	Total/NA	Water	7470A	

Prep Batch: 41180

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-10436-1	LLI01-BS11-0000-WSXX	Dissolved	Water	3005A	
240-10436-2	LLI01-BS12-0000-WSXX	Dissolved	Water	3005A	
240-10436-3	LLI01-BS13-0000-WSXX	Dissolved	Water	3005A	
240-10436-3 MS	LLI01-BS13-0000-WSXX	Dissolved	Water	3005A	
240-10436-3 MSD	LLI01-BS13-0000-WSXX	Dissolved	Water	3005A	
LCS 240-41180/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 240-41173/1-B	Method Blank	Dissolved	Water	3005A	

Prep Batch: 41300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-10436-1	LLI01-BS11-0000-WSXX	Total Recoverable	Water	3005A	
240-10436-2	LLI01-BS12-0000-WSXX	Total Recoverable	Water	3005A	
240-10436-3	LLI01-BS13-0000-WSXX	Total Recoverable	Water	3005A	
240-10436-3 MS	LLI01-BS13-0000-WSXX	Total Recoverable	Water	3005A	
240-10436-3 MSD	LLI01-BS13-0000-WSXX	Total Recoverable	Water	3005A	
240-10436-4	LLI01-BS14-0000-WSXX	Total Recoverable	Water	3005A	
240-10436-5	LLI01-BS14-0000-WSFD	Total Recoverable	Water	3005A	
LCS 240-41300/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 240-41300/1-A	Method Blank	Total Recoverable	Water	3005A	

Prep Batch: 41345

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-10436-4	LLI01-BS14-0000-WSXX	Total/NA	Water	7470A	
240-10436-5	LLI01-BS14-0000-WSFD	Total/NA	Water	7470A	
LCS 240-41345/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 240-41345/1-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 41434

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-10436-1	LLI01-BS11-0000-WSXX	Dissolved	Water	6020	41180
240-10436-2	LLI01-BS12-0000-WSXX	Dissolved	Water	6020	41180
240-10436-3	LLI01-BS13-0000-WSXX	Dissolved	Water	6020	41180
240-10436-3 MS	LLI01-BS13-0000-WSXX	Dissolved	Water	6020	41180
240-10436-3 MSD	LLI01-BS13-0000-WSXX	Dissolved	Water	6020	41180
LCS 240-41180/2-A	Lab Control Sample	Total Recoverable	Water	6020	41180
MB 240-41173/1-B	Method Blank	Dissolved	Water	6020	41180

Prep Batch: 41493

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-10436-2	LLI01-BS12-0000-WSXX	Total/NA	Water	7470A	
240-10436-3	LLI01-BS13-0000-WSXX	Total/NA	Water	7470A	

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden

TestAmerica Job ID: 240-10436-1

Metals (Continued)

Prep Batch: 41493 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-10436-3 MS	LLI01-BS13-0000-WSXX	Total/NA	Water	7470A	
240-10436-3 MSD	LLI01-BS13-0000-WSXX	Total/NA	Water	7470A	
LCS 240-41493/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 240-41493/1-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 41639

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-10436-1	LLI01-BS11-0000-WSXX	Total Recoverable	Water	6020	41300
240-10436-2	LLI01-BS12-0000-WSXX	Total Recoverable	Water	6020	41300
240-10436-3	LLI01-BS13-0000-WSXX	Total Recoverable	Water	6020	41300
240-10436-3 MS	LLI01-BS13-0000-WSXX	Total Recoverable	Water	6020	41300
240-10436-3 MSD	LLI01-BS13-0000-WSXX	Total Recoverable	Water	6020	41300
240-10436-4	LLI01-BS14-0000-WSXX	Total Recoverable	Water	6020	41300
240-10436-5	LLI01-BS14-0000-WSFD	Total Recoverable	Water	6020	41300
LCS 240-41300/2-A	Lab Control Sample	Total Recoverable	Water	6020	41300
MB 240-41300/1-A	Method Blank	Total Recoverable	Water	6020	41300

Analysis Batch: 41694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-10436-1	LLI01-BS11-0000-WSXX	Total/NA	Water	7470A	41179
240-10436-1	LLI01-BS11-0000-WSXX	Dissolved	Water	7470A	41179
240-10436-2	LLI01-BS12-0000-WSXX	Dissolved	Water	7470A	41179
240-10436-3	LLI01-BS13-0000-WSXX	Dissolved	Water	7470A	41179
240-10436-3 MS	LLI01-BS13-0000-WSXX	Dissolved	Water	7470A	41179
240-10436-3 MSD	LLI01-BS13-0000-WSXX	Dissolved	Water	7470A	41179
240-10436-4	LLI01-BS14-0000-WSXX	Total/NA	Water	7470A	41345
240-10436-5	LLI01-BS14-0000-WSFD	Total/NA	Water	7470A	41345
LCS 240-41179/2-A	Lab Control Sample	Total/NA	Water	7470A	41179
LCS 240-41345/2-A	Lab Control Sample	Total/NA	Water	7470A	41345
MB 240-41179/1-A	Method Blank	Total/NA	Water	7470A	41179
MB 240-41345/1-A	Method Blank	Total/NA	Water	7470A	41345

Analysis Batch: 41861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-10436-2	LLI01-BS12-0000-WSXX	Total/NA	Water	7470A	41493
240-10436-3	LLI01-BS13-0000-WSXX	Total/NA	Water	7470A	41493
240-10436-3 MS	LLI01-BS13-0000-WSXX	Total/NA	Water	7470A	41493
240-10436-3 MSD	LLI01-BS13-0000-WSXX	Total/NA	Water	7470A	41493
LCS 240-41493/2-A	Lab Control Sample	Total/NA	Water	7470A	41493
MB 240-41493/1-A	Method Blank	Total/NA	Water	7470A	41493

General Chemistry

Analysis Batch: 40999

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-10436-1	LLI01-BS11-0000-WSXX	Total/NA	Water	SM 5210B	
240-10436-2	LLI01-BS12-0000-WSXX	Total/NA	Water	SM 5210B	
240-10436-3	LLI01-BS13-0000-WSXX	Total/NA	Water	SM 5210B	
240-10436-3 DU	LLI01-BS13-0000-WSXX	Total/NA	Water	SM 5210B	
240-10436-4	LLI01-BS14-0000-WSXX	Total/NA	Water	SM 5210B	
240-10436-5	LLI01-BS14-0000-WSFD	Total/NA	Water	SM 5210B	
LCS 240-40999/3	Lab Control Sample	Total/NA	Water	SM 5210B	

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden

TestAmerica Job ID: 240-10436-1

General Chemistry (Continued)

Analysis Batch: 40999 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
SCB 240-40999/2 SCB	Method Blank	Total/NA	Water	SM 5210B	
USB 240-40999/1 USB	Method Blank	Total/NA	Water	SM 5210B	

Analysis Batch: 41337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-10436-1	LLI01-BS11-0000-WSXX	Total/NA	Water	SM 2540D	
240-10436-2	LLI01-BS12-0000-WSXX	Total/NA	Water	SM 2540D	
240-10436-3	LLI01-BS13-0000-WSXX	Total/NA	Water	SM 2540D	
240-10436-3 DU	LLI01-BS13-0000-WSXX	Total/NA	Water	SM 2540D	
LCS 240-41337/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 240-41337/1	Method Blank	Total/NA	Water	SM 2540D	

Analysis Batch: 41381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-10436-1	LLI01-BS11-0000-WSXX	Total/NA	Water	SM4500 NH3 -F	
240-10436-2	LLI01-BS12-0000-WSXX	Total/NA	Water	SM4500 NH3 -F	
240-10436-3	LLI01-BS13-0000-WSXX	Total/NA	Water	SM4500 NH3 -F	
240-10436-3 MS	LLI01-BS13-0000-WSXX	Total/NA	Water	SM4500 NH3 -F	
240-10436-3 MSD	LLI01-BS13-0000-WSXX	Total/NA	Water	SM4500 NH3 -F	
240-10436-4	LLI01-BS14-0000-WSXX	Total/NA	Water	SM4500 NH3 -F	
240-10436-5	LLI01-BS14-0000-WSFD	Total/NA	Water	SM4500 NH3 -F	
LCS 240-41381/8	Lab Control Sample	Total/NA	Water	SM4500 NH3 -F	
MB 240-41381/7	Method Blank	Total/NA	Water	SM4500 NH3 -F	

Analysis Batch: 41432

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-10436-1	LLI01-BS11-0000-WSXX	Total/NA	Water	9060	
240-10436-2	LLI01-BS12-0000-WSXX	Total/NA	Water	9060	
240-10436-3	LLI01-BS13-0000-WSXX	Total/NA	Water	9060	
240-10436-3 MS	LLI01-BS13-0000-WSXX	Total/NA	Water	9060	
240-10436-3 MSD	LLI01-BS13-0000-WSXX	Total/NA	Water	9060	
240-10436-4	LLI01-BS14-0000-WSXX	Total/NA	Water	9060	
240-10436-5	LLI01-BS14-0000-WSFD	Total/NA	Water	9060	
LCS 240-41432/4	Lab Control Sample	Total/NA	Water	9060	
MB 240-41432/3	Method Blank	Total/NA	Water	9060	

Analysis Batch: 41526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-10436-1	LLI01-BS11-0000-WSXX	Total/NA	Water	SM 2540C	
240-10436-2	LLI01-BS12-0000-WSXX	Total/NA	Water	SM 2540C	
240-10436-3	LLI01-BS13-0000-WSXX	Total/NA	Water	SM 2540C	
240-10436-3 DU	LLI01-BS13-0000-WSXX	Total/NA	Water	SM 2540C	
LCS 240-41526/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MB 240-41526/1	Method Blank	Total/NA	Water	SM 2540C	

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden

TestAmerica Job ID: 240-10436-1

Client Sample ID: LLI01-BS11-0000-WSXX

Date Collected: 04/19/12 10:45

Date Received: 04/20/12 10:00

Lab Sample ID: 240-10436-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			41180	04/23/12 10:46	CN	TAL NC
Dissolved	Analysis	6020		1	41434	04/24/12 09:11	KC	TAL NC
Total Recoverable	Prep	3005A			41300	04/24/12 08:55	SG	TAL NC
Total Recoverable	Analysis	6020		1	41639	04/25/12 11:20	KC	TAL NC
Total/NA	Prep	7470A			41179	04/23/12 14:00	AS	TAL NC
Total/NA	Analysis	7470A		1	41694	04/25/12 14:36	AS	TAL NC
Dissolved	Prep	7470A			41179	04/23/12 14:00	AS	TAL NC
Dissolved	Analysis	7470A		1	41694	04/25/12 14:38	AS	TAL NC
Total/NA	Analysis	SM 5210B		1	40999	04/20/12 17:18	TH	TAL NC
Total/NA	Analysis	SM 2540D		1	41337	04/24/12 10:09	AM	TAL NC
Total/NA	Analysis	SM4500 NH3 -F		1	41381	04/24/12 09:53	JK	TAL NC
Total/NA	Analysis	9060		1	41432	04/24/12 16:46	TH	TAL NC
Total/NA	Analysis	SM 2540C		1	41526	04/25/12 11:00	LG	TAL NC

Client Sample ID: LLI01-BS12-0000-WSXX

Date Collected: 04/19/12 10:55

Date Received: 04/20/12 10:00

Lab Sample ID: 240-10436-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			41180	04/23/12 10:46	CN	TAL NC
Dissolved	Analysis	6020		1	41434	04/24/12 09:16	KC	TAL NC
Total Recoverable	Prep	3005A			41300	04/24/12 08:55	SG	TAL NC
Total Recoverable	Analysis	6020		1	41639	04/25/12 11:26	KC	TAL NC
Dissolved	Prep	7470A			41179	04/23/12 14:00	AS	TAL NC
Dissolved	Analysis	7470A		1	41694	04/25/12 14:40	AS	TAL NC
Total/NA	Prep	7470A			41493	04/25/12 14:45	CN	TAL NC
Total/NA	Analysis	7470A		1	41861	04/26/12 12:33	AS	TAL NC
Total/NA	Analysis	SM 5210B		1	40999	04/20/12 17:12	TH	TAL NC
Total/NA	Analysis	SM 2540D		1	41337	04/24/12 10:09	AM	TAL NC
Total/NA	Analysis	SM4500 NH3 -F		1	41381	04/24/12 09:54	JK	TAL NC
Total/NA	Analysis	9060		1	41432	04/24/12 17:28	TH	TAL NC
Total/NA	Analysis	SM 2540C		1	41526	04/25/12 11:00	LG	TAL NC

Client Sample ID: LLI01-BS13-0000-WSXX

Date Collected: 04/19/12 11:10

Date Received: 04/20/12 10:00

Lab Sample ID: 240-10436-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			41180	04/23/12 10:46	CN	TAL NC
Dissolved	Analysis	6020		1	41434	04/24/12 08:46	KC	TAL NC
Total Recoverable	Prep	3005A			41300	04/24/12 08:55	SG	TAL NC
Total Recoverable	Analysis	6020		1	41639	04/25/12 10:42	KC	TAL NC
Dissolved	Prep	7470A			41179	04/23/12 14:00	AS	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden

TestAmerica Job ID: 240-10436-1

Client Sample ID: LLI01-BS13-0000-WSXX

Lab Sample ID: 240-10436-3

Date Collected: 04/19/12 11:10

Matrix: Water

Date Received: 04/20/12 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	7470A		1	41694	04/25/12 13:30	AS	TAL NC
Total/NA	Prep	7470A			41493	04/25/12 14:45	CN	TAL NC
Total/NA	Analysis	7470A		1	41861	04/26/12 11:45	AS	TAL NC
Total/NA	Analysis	SM 5210B		1	40999	04/20/12 16:50	TH	TAL NC
Total/NA	Analysis	SM 2540D		1	41337	04/24/12 10:09	AM	TAL NC
Total/NA	Analysis	SM4500 NH3 -F		1	41381	04/24/12 09:54	JK	TAL NC
Total/NA	Analysis	9060		1	41432	04/24/12 15:43	TH	TAL NC
Total/NA	Analysis	SM 2540C		1	41526	04/25/12 11:00	LG	TAL NC

Client Sample ID: LLI01-BS14-0000-WSXX

Lab Sample ID: 240-10436-4

Date Collected: 04/19/12 11:30

Matrix: Water

Date Received: 04/20/12 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			41300	04/24/12 08:55	SG	TAL NC
Total Recoverable	Analysis	6020		1	41639	04/25/12 11:31	KC	TAL NC
Total/NA	Prep	7470A			41345	04/24/12 14:00	CN	TAL NC
Total/NA	Analysis	7470A		1	41694	04/25/12 16:32	AS	TAL NC
Total/NA	Analysis	SM 5210B		1	40999	04/20/12 17:05	TH	TAL NC
Total/NA	Analysis	SM4500 NH3 -F		1	41381	04/24/12 09:54	JK	TAL NC
Total/NA	Analysis	9060		1	41432	04/24/12 18:09	TH	TAL NC

Client Sample ID: LLI01-BS14-0000-WSFD

Lab Sample ID: 240-10436-5

Date Collected: 04/19/12 00:00

Matrix: Water

Date Received: 04/20/12 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			41300	04/24/12 08:55	SG	TAL NC
Total Recoverable	Analysis	6020		1	41639	04/25/12 11:37	KC	TAL NC
Total/NA	Prep	7470A			41345	04/24/12 14:00	CN	TAL NC
Total/NA	Analysis	7470A		1	41694	04/25/12 16:38	AS	TAL NC
Total/NA	Analysis	SM 5210B		1	40999	04/20/12 16:42	TH	TAL NC
Total/NA	Analysis	SM4500 NH3 -F		1	41381	04/24/12 09:54	JK	TAL NC
Total/NA	Analysis	9060		1	41432	04/24/12 18:50	TH	TAL NC

Laboratory References:

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

Certification Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden

TestAmerica Job ID: 240-10436-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Canton	California	NELAC	9	01144CA
TestAmerica Canton	Connecticut	State Program	1	PH-0590
TestAmerica Canton	Florida	NELAC	4	E87225
TestAmerica Canton	Georgia	State Program	4	N/A
TestAmerica Canton	Illinois	NELAC	5	200004
TestAmerica Canton	Kansas	NELAC	7	E-10336
TestAmerica Canton	Kentucky	State Program	4	58
TestAmerica Canton	L-A-B	DoD ELAP		L2315
TestAmerica Canton	Minnesota	NELAC	5	039-999-348
TestAmerica Canton	Nevada	State Program	9	OH-000482008A
TestAmerica Canton	New Jersey	NELAC	2	OH001
TestAmerica Canton	New York	NELAC	2	10975
TestAmerica Canton	Ohio VAP	State Program	5	CL0024
TestAmerica Canton	Pennsylvania	NELAC	3	68-00340
TestAmerica Canton	USDA	Federal		P330-11-00328
TestAmerica Canton	Virginia	NELAC	3	460175
TestAmerica Canton	Washington	State Program	10	C971
TestAmerica Canton	West Virginia DEP	State Program	3	210
TestAmerica Canton	Wisconsin	State Program	5	999518190

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

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location:
Regulatory program:

Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☒ Other

TestAmerica Laboratories, Inc.

Client Contact		Client Project Manager:		Site Contact:		Lab Contact:		COC No:	
Company Name: AMEC		DAN DYER		Doug Saigh		Mark Coeb		036741	
Address: 46850 Magellan Dr.		Telephone: 248-926-4008		Telephone: 248-313-3691		Telephone:		1 of 1 COCs	
City/State/Zip: NOVI, MI 48377		Email: dan.dyer@amec.com		Analysis Turnaround Time (in BUS days)		For lab use only			
Phone: 248-313-3691		dan.dyer@amec.com		TAT if different from below		Walk-in client			
Project Name: LAKE LINDEN		Method of shipment/Carrier: FEDEX		3 weeks		Lab pickup			
Project Number: 3293-11-1440 2300		Shipping/Tracking No:		1 week		Lab sampling			
PO #				2 days		Job/SDG No.			
Sample Identification		Sample Date		Sample Time		Matrix		Containers & Preservatives	
LLT01-BS11-0000-WSXX		4/19/12		1045		Air		NaOH	
LLT01-BS12-0000-WSXX		1055		1110		Aqueous		HCl	
LLT01-BS13-0000-WSXX		1130		1130		Sediment		HNO3	
LLT01-BS14-0000-WSXX		1130		1130		Solid		H2SO4	
LLT01-BS13-0000-WSMS		1130		1130		Other:		Other:	
LLT01-BS13-0000-WSMD		1130		1130		Other:		Other:	
Sample Specific Notes / Special Instructions:		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	
		Return to Client		Return to Client		Return to Client		Return to Client	
		Disposal By Lab		Disposal By Lab		Disposal By Lab		Disposal By Lab	
		Months		Months		Months		Months	
Relinquished by:		Relinquished by:		Relinquished by:		Relinquished by:		Relinquished by:	
Date/Time:		Date/Time:		Date/Time:		Date/Time:		Date/Time:	
Relinquished by:		Relinquished by:		Relinquished by:		Relinquished by:		Relinquished by:	
Date/Time:		Date/Time:		Date/Time:		Date/Time:		Date/Time:	
Relinquished by:		Relinquished by:		Relinquished by:		Relinquished by:		Relinquished by:	
Date/Time:		Date/Time:		Date/Time:		Date/Time:		Date/Time:	

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TAL 0018-1 (04/10)

Login # : 10436

Client ANEC Site Name 11th St By: Mark Malone

Cooler Received on 4/20/12 Opened on 4/20/12 (Signature) _____

FedEx: 1st Grd Exp UPS FAS Stetson Client Drop Off TestAmerica Courier Other _____

TestAmerica Cooler # 241-2528 Foam Box ☒ Client Cooler ☐ Box ☐ Other ☐

Packing material used: Bubble Wrap Foam Plastic Bag None Other _____

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# 1 (CF -2°C) Observed Sample Temp. _____°C Corrected Sample Temp. _____°C

IR GUN# 4G (CF -1°C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C

IR GUN# 5G (CF -1°C) Observed Sample Temp. 18 °C Corrected Sample Temp. 0.8 °C

IR GUN# 6Y (CF -2°C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C

- | | | | |
|--|--------------------------|--------------------------------------|--|
| 2. Were custody seals on the outside of the cooler(s)? | If Yes Quantity <u>2</u> | <input checked="" type="radio"/> Yes | <input type="radio"/> No |
| -Were custody seals on the outside of the cooler(s) signed & dated? | | <input checked="" type="radio"/> Yes | <input type="radio"/> No NA |
| -Were custody seals on the bottle(s)? | | <input checked="" type="radio"/> Yes | <input type="radio"/> No |
| 3. Shippers' packing slip attached to the cooler(s)? | | <input checked="" type="radio"/> Yes | <input type="radio"/> No |
| 4. Did custody papers accompany the sample(s)? | | <input checked="" type="radio"/> Yes | <input type="radio"/> No |
| 5. Were the custody papers relinquished & signed in the appropriate place? | | <input checked="" type="radio"/> Yes | <input type="radio"/> No |
| 6. Did all bottles arrive in good condition (Unbroken)? | | <input checked="" type="radio"/> Yes | <input type="radio"/> No |
| 7. Could all bottle labels be reconciled with the COC? | | <input checked="" type="radio"/> Yes | <input type="radio"/> No |
| 8. Were correct bottle(s) used for the test(s) indicated? | | <input checked="" type="radio"/> Yes | <input type="radio"/> No |
| 9. Sufficient quantity received to perform indicated analyses? | | <input checked="" type="radio"/> Yes | <input type="radio"/> No |
| 10. Were sample(s) at the correct pH upon receipt? | | <input checked="" type="radio"/> Yes | <input type="radio"/> No NA |
| 11. Were VOAs on the COC? | | <input checked="" type="radio"/> Yes | <input type="radio"/> No |
| 12. Were air bubbles >6 mm in any VOA vials? | | <input type="radio"/> Yes | <input checked="" type="radio"/> No NA |
| 13. Was a trip blank present in the cooler(s)? | | <input type="radio"/> Yes | <input checked="" type="radio"/> No |

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

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

time was preservative added to sample(s)?	Date	Initials
---	------	----------

[illegible]

Login Sample Receipt Checklist

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-10436-1

Login Number: 10436

List Source: TestAmerica Canton

List Number: 1

Creator: Gambone, Mike

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Canton

4101 Shuffel Street NW

North Canton, OH 44720

Tel: (330)497-9396

TestAmerica Job ID: 240-29546-1

Client Project/Site: Honeywell Lake Linden

For:

AMEC Environment & Infrastructure, Inc.

46850 Magellan Drive, Suite 190

Novi, Michigan 48377

Attn: Kurt Cunningham



Authorized for release by:

10/11/2013 8:12:41 AM

Mark Loeb, Project Manager II

(330)966-9387

mark.loeb@testamericainc.com

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results through

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

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

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Method Summary	7
Sample Summary	8
Detection Summary	9
Client Sample Results	11
Surrogate Summary	19
QC Sample Results	20
QC Association Summary	30
Lab Chronicle	32
Certification Summary	33
Chain of Custody	34



Definitions/Glossary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden

TestAmerica Job ID: 240-29546-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden

TestAmerica Job ID: 240-29546-1

Job ID: 240-29546-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: AMEC Environment & Infrastructure, Inc.

Project: Honeywell Lake Linden

Report Number: 240-29546-1

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

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

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

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

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

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

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

RECEIPT

The samples were received on 09/27/2013; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 3.6 and 5.2 C.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Samples LLR01-BS12-0000-WS00 (240-29546-1) and LLR01-BS13-0000-WS00 (240-29546-2) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 10/07/2013.

Methylene Chloride was detected in method blank MB 240-104372/5 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

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

SEMIVOLATILE ORGANIC COMPOUNDS (GCMS)

Samples LLR01-BS12-0000-WS00 (240-29546-1) and LLR01-BS13-0000-WS00 (240-29546-2) were analyzed for semivolatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 10/02/2013 and analyzed on 10/04/2013.

Case Narrative

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden

TestAmerica Job ID: 240-29546-1

Job ID: 240-29546-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and no corrective action is required.

Bis(2-ethylhexyl) phthalate and Di-n-butyl phthalate were detected in method blank MB 240-103781/21-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 103781, 8270.

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

POLYCHLORINATED BIPHENYLS (PCBS)

Samples LLR01-BS12-0000-WS00 (240-29546-1) and LLR01-BS13-0000-WS00 (240-29546-2) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were prepared on 10/02/2013 and analyzed on 10/03/2013.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required.

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

TOTAL RECOVERABLE METALS (ICPMS)

Samples LLR01-BS12-0000-WS00 (240-29546-1) and LLR01-BS13-0000-WS00 (240-29546-2) were analyzed for total recoverable metals (ICPMS) in accordance with EPA SW-846 Method 6020. The samples were prepared on 09/30/2013 and analyzed on 10/02/2013.

Several analytes were detected in method blank MB 240-103469/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

The reporting limit (RL) provided for the following analyte(s) Silver falls below the laboratory's verified standard quantitation limit: LLR01-BS12-0000-WS00 (240-29546-1), LLR01-BS13-0000-WS00 (240-29546-2). Results reported below the verified standard quantitation limit have less certainty (i.e., are estimated) and must be used at the client's discretion. The continuing calibration blanks and method blanks may not support the lower RL.

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

TOTAL MERCURY

Samples LLR01-BS12-0000-WS00 (240-29546-1) and LLR01-BS13-0000-WS00 (240-29546-2) were analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared on 09/30/2013 and analyzed on 10/01/2013.

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

TOTAL DISSOLVED SOLIDS

Samples LLR01-BS12-0000-WS00 (240-29546-1) and LLR01-BS13-0000-WS00 (240-29546-2) were analyzed for total dissolved solids in accordance with SM 2540C. The samples were analyzed on 09/30/2013.

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

TOTAL SUSPENDED SOLIDS

Samples LLR01-BS12-0000-WS00 (240-29546-1) and LLR01-BS13-0000-WS00 (240-29546-2) were analyzed for total suspended solids in accordance with SM 2540D. The samples were analyzed on 10/01/2013.

Total Suspended Solids exceeded the RPD limit for the duplicate of sample 240-29595-1. Refer to the QC report for details.

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

Case Narrative

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden

TestAmerica Job ID: 240-29546-1

Job ID: 240-29546-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

AMMONIA BY ION SELECTIVE ELECTRODE

Samples LLR01-BS12-0000-WS00 (240-29546-1) and LLR01-BS13-0000-WS00 (240-29546-2) were analyzed for ammonia by ion selective electrode in accordance with SM 4500 NH3 F. The samples were analyzed on 10/03/2013.

Ammonia was detected in method blank MB 240-104098/7 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

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

Method Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden

TestAmerica Job ID: 240-29546-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CAN
8270C	TCL Semivolatile Compounds (OLMO4.2)	SW846	TAL CAN
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CAN
6020	Metals (ICP/MS)	SW846	TAL CAN
7470A	Mercury (CVAA)	SW846	TAL CAN
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL CAN
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL CAN
SM4500 NH3 -F	Ammonia	SM18	TAL CAN

Protocol References:

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

SM18 = "Standard Methods For The Examination Of Water And Wastewater", 18th Edition, 1992.

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

Laboratory References:

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

Sample Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden

TestAmerica Job ID: 240-29546-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-29546-1	LLR01-BS12-0000-WS00	Water	09/26/13 14:20	09/27/13 09:30
240-29546-2	LLR01-BS13-0000-WS00	Water	09/26/13 14:51	09/27/13 09:30

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden

TestAmerica Job ID: 240-29546-1

Client Sample ID: LLR01-BS12-0000-WS00

Lab Sample ID: 240-29546-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.7	J	10	1.1	ug/L	1		8260B	Total/NA
Anthracene	0.20	J	5.0	0.087	ug/L	1		8270C	Total/NA
Bis(2-ethylhexyl) phthalate	1.2	J B	5.0	0.22	ug/L	1		8270C	Total/NA
Caprolactam	0.83	J	9.9	0.20	ug/L	1		8270C	Total/NA
Carbazole	0.58	J	9.9	0.28	ug/L	1		8270C	Total/NA
Di-n-butyl phthalate	0.73	J B	5.0	0.66	ug/L	1		8270C	Total/NA
Fluoranthene	0.32	J	0.99	0.044	ug/L	1		8270C	Total/NA
Phenanthrene	0.45	J	2.0	0.061	ug/L	1		8270C	Total/NA
Pyrene	0.25	J	5.0	0.042	ug/L	1		8270C	Total/NA
PCB-1254	0.078	J	0.14	0.044	ug/L	1		8082	Total/NA
Arsenic	0.72	J B	5.0	0.063	ug/L	1		6020	Total Recoverable
Barium	130	B	5.0	0.32	ug/L	1		6020	Total Recoverable
Cadmium	0.27	J	1.0	0.026	ug/L	1		6020	Total Recoverable
Chromium	0.55	J	2.0	0.13	ug/L	1		6020	Total Recoverable
Copper	41	B	2.0	0.24	ug/L	1		6020	Total Recoverable
Lead	39	B	1.0	0.14	ug/L	1		6020	Total Recoverable
Selenium	0.54	J	5.0	0.34	ug/L	1		6020	Total Recoverable
Zinc	420	B	20	2.1	ug/L	1		6020	Total Recoverable
Silver	0.029	J B	0.20	0.0083	ug/L	1		6020	Total Recoverable
Total Dissolved Solids	1200		20	15	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	10		4.0	1.8	mg/L	1		SM 2540D	Total/NA
Ammonia	0.060	J B	0.20	0.025	mg/L	1		SM4500 NH3 -F	Total/NA

Client Sample ID: LLR01-BS13-0000-WS00

Lab Sample ID: 240-29546-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	2.0	J	10	1.1	ug/L	1		8260B	Total/NA
Di-n-butyl phthalate	1.2	J B	5.0	0.66	ug/L	1		8270C	Total/NA
Fluoranthene	0.13	J	0.99	0.044	ug/L	1		8270C	Total/NA
Pyrene	0.12	J	5.0	0.042	ug/L	1		8270C	Total/NA
PCB-1254	0.090	J	0.10	0.032	ug/L	1		8082	Total/NA
Arsenic	0.59	J B	5.0	0.063	ug/L	1		6020	Total Recoverable
Barium	110	B	5.0	0.32	ug/L	1		6020	Total Recoverable
Cadmium	0.53	J	1.0	0.026	ug/L	1		6020	Total Recoverable
Chromium	0.44	J	2.0	0.13	ug/L	1		6020	Total Recoverable
Copper	25	B	2.0	0.24	ug/L	1		6020	Total Recoverable
Lead	32	B	1.0	0.14	ug/L	1		6020	Total Recoverable
Selenium	0.87	J	5.0	0.34	ug/L	1		6020	Total Recoverable

This Detection Summary does not include radiochemical test results.

TestAmerica Canton

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden

TestAmerica Job ID: 240-29546-1

Client Sample ID: LLR01-BS13-0000-WS00 (Continued)

Lab Sample ID: 240-29546-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	710	B	20	2.1	ug/L	1		6020	Total Recoverable
Silver	0.044	J B	0.20	0.0083	ug/L	1		6020	Total Recoverable
Total Dissolved Solids	1300		20	15	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	16		4.0	1.8	mg/L	1		SM 2540D	Total/NA
Ammonia	0.087	J B	0.20	0.025	mg/L	1		SM4500 NH3 -F	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Canton

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden

TestAmerica Job ID: 240-29546-1

Client Sample ID: LLR01-BS12-0000-WS00

Lab Sample ID: 240-29546-1

Date Collected: 09/26/13 14:20

Matrix: Water

Date Received: 09/27/13 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	J	10	1.1	ug/L			10/07/13 03:38	1
Benzene	1.0	U	1.0	0.13	ug/L			10/07/13 03:38	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			10/07/13 03:38	1
Bromoform	1.0	U	1.0	0.64	ug/L			10/07/13 03:38	1
Bromomethane	1.0	U	1.0	0.41	ug/L			10/07/13 03:38	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			10/07/13 03:38	1
Carbon disulfide	5.0	U	5.0	0.13	ug/L			10/07/13 03:38	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			10/07/13 03:38	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			10/07/13 03:38	1
Chloroethane	1.0	U	1.0	0.29	ug/L			10/07/13 03:38	1
Chloroform	1.0	U	1.0	0.16	ug/L			10/07/13 03:38	1
Chloromethane	1.0	U	1.0	0.30	ug/L			10/07/13 03:38	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			10/07/13 03:38	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			10/07/13 03:38	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			10/07/13 03:38	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			10/07/13 03:38	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			10/07/13 03:38	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			10/07/13 03:38	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			10/07/13 03:38	1
2-Hexanone	10	U	10	0.41	ug/L			10/07/13 03:38	1
Methylene Chloride	5.0	U	5.0	0.33	ug/L			10/07/13 03:38	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			10/07/13 03:38	1
Styrene	1.0	U	1.0	0.11	ug/L			10/07/13 03:38	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			10/07/13 03:38	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			10/07/13 03:38	1
Toluene	1.0	U	1.0	0.13	ug/L			10/07/13 03:38	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			10/07/13 03:38	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			10/07/13 03:38	1
Xylenes, Total	2.0	U	2.0	0.14	ug/L			10/07/13 03:38	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			10/07/13 03:38	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			10/07/13 03:38	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			10/07/13 03:38	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			10/07/13 03:38	1
1,2-Dibromoethane	1.0	U	1.0	0.24	ug/L			10/07/13 03:38	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			10/07/13 03:38	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			10/07/13 03:38	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			10/07/13 03:38	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			10/07/13 03:38	1
Methyl acetate	10	U	10	0.38	ug/L			10/07/13 03:38	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			10/07/13 03:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			10/07/13 03:38	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			10/07/13 03:38	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			10/07/13 03:38	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			10/07/13 03:38	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			10/07/13 03:38	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			10/07/13 03:38	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			10/07/13 03:38	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			10/07/13 03:38	1

TestAmerica Canton

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden

TestAmerica Job ID: 240-29546-1

Client Sample ID: LLR01-BS12-0000-WS00

Lab Sample ID: 240-29546-1

Date Collected: 09/26/13 14:20

Matrix: Water

Date Received: 09/27/13 09:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		63 - 129		10/07/13 03:38	1
4-Bromofluorobenzene (Surr)	78		66 - 117		10/07/13 03:38	1
Toluene-d8 (Surr)	83		74 - 115		10/07/13 03:38	1
Dibromofluoromethane (Surr)	94		75 - 121		10/07/13 03:38	1

Method: 8270C - TCL Semivolatile Compounds (OLMO4.2)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	5.0	U	5.0	0.13	ug/L		10/02/13 08:36	10/04/13 14:09	1
2,2'-oxybis[1-chloropropane]	5.0	U	5.0	0.40	ug/L		10/02/13 08:36	10/04/13 14:09	1
2,4,5-Trichlorophenol	5.0	U	5.0	0.30	ug/L		10/02/13 08:36	10/04/13 14:09	1
2,4,6-Trichlorophenol	4.0	U	4.0	0.24	ug/L		10/02/13 08:36	10/04/13 14:09	1
2,4-Dichlorophenol	9.9	U	9.9	0.19	ug/L		10/02/13 08:36	10/04/13 14:09	1
2,4-Dimethylphenol	5.0	U	5.0	0.25	ug/L		10/02/13 08:36	10/04/13 14:09	1
2,4-Dinitrophenol	20	U	20	0.32	ug/L		10/02/13 08:36	10/04/13 14:09	1
2,4-Dinitrotoluene	5.0	U	5.0	0.25	ug/L		10/02/13 08:36	10/04/13 14:09	1
2,6-Dinitrotoluene	5.0	U	5.0	0.79	ug/L		10/02/13 08:36	10/04/13 14:09	1
2-Chloronaphthalene	5.0	U	5.0	0.099	ug/L		10/02/13 08:36	10/04/13 14:09	1
2-Chlorophenol	5.0	U	5.0	0.29	ug/L		10/02/13 08:36	10/04/13 14:09	1
2-Methylnaphthalene	5.0	U	5.0	0.090	ug/L		10/02/13 08:36	10/04/13 14:09	1
2-Methylphenol	5.0	U	5.0	0.17	ug/L		10/02/13 08:36	10/04/13 14:09	1
2-Nitroaniline	20	U	20	0.21	ug/L		10/02/13 08:36	10/04/13 14:09	1
2-Nitrophenol	5.0	U	5.0	0.28	ug/L		10/02/13 08:36	10/04/13 14:09	1
3,3'-Dichlorobenzidine	0.99	U	0.99	0.37	ug/L		10/02/13 08:36	10/04/13 14:09	1
3-Nitroaniline	20	U	20	0.28	ug/L		10/02/13 08:36	10/04/13 14:09	1
4,6-Dinitro-2-methylphenol	20	U	20	2.4	ug/L		10/02/13 08:36	10/04/13 14:09	1
4-Bromophenyl phenyl ether	5.0	U	5.0	0.22	ug/L		10/02/13 08:36	10/04/13 14:09	1
4-Chloro-3-methylphenol	5.0	U	5.0	0.21	ug/L		10/02/13 08:36	10/04/13 14:09	1
4-Chloroaniline	9.9	U	9.9	0.21	ug/L		10/02/13 08:36	10/04/13 14:09	1
4-Chlorophenyl phenyl ether	5.0	U	5.0	0.30	ug/L		10/02/13 08:36	10/04/13 14:09	1
4-Nitroaniline	20	U	20	0.22	ug/L		10/02/13 08:36	10/04/13 14:09	1
4-Nitrophenol	20	U	20	0.29	ug/L		10/02/13 08:36	10/04/13 14:09	1
Acenaphthene	5.0	U	5.0	0.044	ug/L		10/02/13 08:36	10/04/13 14:09	1
Acenaphthylene	5.0	U	5.0	0.048	ug/L		10/02/13 08:36	10/04/13 14:09	1
Acetophenone	5.0	U	5.0	0.34	ug/L		10/02/13 08:36	10/04/13 14:09	1
Anthracene	0.20	J	5.0	0.087	ug/L		10/02/13 08:36	10/04/13 14:09	1
Atrazine	3.0	U	3.0	0.34	ug/L		10/02/13 08:36	10/04/13 14:09	1
Benzaldehyde	5.0	U	5.0	0.39	ug/L		10/02/13 08:36	10/04/13 14:09	1
Benzo[a]anthracene	0.99	U	0.99	0.029	ug/L		10/02/13 08:36	10/04/13 14:09	1
Benzo[a]pyrene	0.99	U	0.99	0.051	ug/L		10/02/13 08:36	10/04/13 14:09	1
Benzo[b]fluoranthene	0.99	U	0.99	0.039	ug/L		10/02/13 08:36	10/04/13 14:09	1
Benzo[g,h,i]perylene	0.99	U	0.99	0.046	ug/L		10/02/13 08:36	10/04/13 14:09	1
Benzo[k]fluoranthene	0.99	U	0.99	0.044	ug/L		10/02/13 08:36	10/04/13 14:09	1
Bis(2-chloroethoxy)methane	5.0	U	5.0	0.32	ug/L		10/02/13 08:36	10/04/13 14:09	1
Bis(2-chloroethyl)ether	0.99	U	0.99	0.099	ug/L		10/02/13 08:36	10/04/13 14:09	1
Bis(2-ethylhexyl) phthalate	1.2	J B	5.0	0.22	ug/L		10/02/13 08:36	10/04/13 14:09	1
Butyl benzyl phthalate	5.0	U	5.0	0.26	ug/L		10/02/13 08:36	10/04/13 14:09	1
Caprolactam	0.83	J	9.9	0.20	ug/L		10/02/13 08:36	10/04/13 14:09	1
Carbazole	0.58	J	9.9	0.28	ug/L		10/02/13 08:36	10/04/13 14:09	1
Chrysene	0.99	U	0.99	0.050	ug/L		10/02/13 08:36	10/04/13 14:09	1
Dibenz(a,h)anthracene	2.0	U	2.0	0.044	ug/L		10/02/13 08:36	10/04/13 14:09	1

TestAmerica Canton

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden

TestAmerica Job ID: 240-29546-1

Client Sample ID: LLR01-BS12-0000-WS00

Lab Sample ID: 240-29546-1

Date Collected: 09/26/13 14:20

Matrix: Water

Date Received: 09/27/13 09:30

Method: 8270C - TCL Semivolatile Compounds (OLMO4.2) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	4.0	U	4.0	0.020	ug/L		10/02/13 08:36	10/04/13 14:09	1
Diethyl phthalate	5.0	U	5.0	0.59	ug/L		10/02/13 08:36	10/04/13 14:09	1
Dimethyl phthalate	5.0	U	5.0	0.29	ug/L		10/02/13 08:36	10/04/13 14:09	1
Di-n-butyl phthalate	0.73	J B	5.0	0.66	ug/L		10/02/13 08:36	10/04/13 14:09	1
Di-n-octyl phthalate	5.0	U	5.0	0.23	ug/L		10/02/13 08:36	10/04/13 14:09	1
Fluoranthene	0.32	J	0.99	0.044	ug/L		10/02/13 08:36	10/04/13 14:09	1
Fluorene	5.0	U	5.0	0.040	ug/L		10/02/13 08:36	10/04/13 14:09	1
Hexachlorobenzene	0.20	U	0.20	0.084	ug/L		10/02/13 08:36	10/04/13 14:09	1
Hexachlorobutadiene	0.99	U	0.99	0.27	ug/L		10/02/13 08:36	10/04/13 14:09	1
Hexachlorocyclopentadiene	5.0	U	5.0	0.24	ug/L		10/02/13 08:36	10/04/13 14:09	1
Hexachloroethane	5.0	U	5.0	0.19	ug/L		10/02/13 08:36	10/04/13 14:09	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.043	ug/L		10/02/13 08:36	10/04/13 14:09	1
Isophorone	5.0	U	5.0	0.27	ug/L		10/02/13 08:36	10/04/13 14:09	1
Naphthalene	5.0	U	5.0	0.062	ug/L		10/02/13 08:36	10/04/13 14:09	1
Nitrobenzene	3.0	U	3.0	0.040	ug/L		10/02/13 08:36	10/04/13 14:09	1
N-Nitrosodi-n-propylamine	5.0	U	5.0	0.24	ug/L		10/02/13 08:36	10/04/13 14:09	1
N-Nitrosodiphenylamine	5.0	U	5.0	0.31	ug/L		10/02/13 08:36	10/04/13 14:09	1
Pentachlorophenol	5.0	U	5.0	0.27	ug/L		10/02/13 08:36	10/04/13 14:09	1
Phenol	5.0	U	5.0	0.59	ug/L		10/02/13 08:36	10/04/13 14:09	1
Phenanthrene	0.45	J	2.0	0.061	ug/L		10/02/13 08:36	10/04/13 14:09	1
Pyrene	0.25	J	5.0	0.042	ug/L		10/02/13 08:36	10/04/13 14:09	1
3 & 4 Methylphenol	5.0	U	5.0	0.79	ug/L		10/02/13 08:36	10/04/13 14:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	60		20 - 110	10/02/13 08:36	10/04/13 14:09	1
2-Fluorophenol (Surr)	65		10 - 110	10/02/13 08:36	10/04/13 14:09	1
2,4,6-Tribromophenol (Surr)	79		21 - 110	10/02/13 08:36	10/04/13 14:09	1
Nitrobenzene-d5 (Surr)	68		21 - 110	10/02/13 08:36	10/04/13 14:09	1
Phenol-d5 (Surr)	70		21 - 110	10/02/13 08:36	10/04/13 14:09	1
Terphenyl-d14 (Surr)	82		24 - 110	10/02/13 08:36	10/04/13 14:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.14	U	0.14	0.060	ug/L		10/02/13 09:03	10/03/13 19:22	1
PCB-1221	0.14	U	0.14	0.062	ug/L		10/02/13 09:03	10/03/13 19:22	1
PCB-1232	0.14	U	0.14	0.10	ug/L		10/02/13 09:03	10/03/13 19:22	1
PCB-1242	0.14	U	0.14	0.082	ug/L		10/02/13 09:03	10/03/13 19:22	1
PCB-1248	0.14	U	0.14	0.084	ug/L		10/02/13 09:03	10/03/13 19:22	1
PCB-1254	0.078	J	0.14	0.044	ug/L		10/02/13 09:03	10/03/13 19:22	1
PCB-1260	0.14	U	0.14	0.052	ug/L		10/02/13 09:03	10/03/13 19:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	71		23 - 136	10/02/13 09:03	10/03/13 19:22	1
DCB Decachlorobiphenyl	47		10 - 130	10/02/13 09:03	10/03/13 19:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.72	J B	5.0	0.063	ug/L		09/30/13 09:56	10/02/13 15:42	1
Barium	130	B	5.0	0.32	ug/L		09/30/13 09:56	10/02/13 15:42	1
Cadmium	0.27	J	1.0	0.026	ug/L		09/30/13 09:56	10/02/13 15:42	1

TestAmerica Canton

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden

TestAmerica Job ID: 240-29546-1

Client Sample ID: LLR01-BS12-0000-WS00

Lab Sample ID: 240-29546-1

Date Collected: 09/26/13 14:20

Matrix: Water

Date Received: 09/27/13 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.55	J	2.0	0.13	ug/L		09/30/13 09:56	10/02/13 15:42	1
Copper	41	B	2.0	0.24	ug/L		09/30/13 09:56	10/02/13 15:42	1
Lead	39	B	1.0	0.14	ug/L		09/30/13 09:56	10/02/13 15:42	1
Selenium	0.54	J	5.0	0.34	ug/L		09/30/13 09:56	10/02/13 15:42	1
Zinc	420	B	20	2.1	ug/L		09/30/13 09:56	10/02/13 15:42	1
Silver	0.029	J B	0.20	0.0083	ug/L		09/30/13 09:56	10/02/13 15:42	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		09/30/13 16:50	10/01/13 18:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1200		20	15	mg/L			09/30/13 14:28	1
Total Suspended Solids	10		4.0	1.8	mg/L			10/01/13 08:52	1
Ammonia	0.060	J B	0.20	0.025	mg/L			10/03/13 15:37	1

TestAmerica Canton

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden

TestAmerica Job ID: 240-29546-1

Client Sample ID: LLR01-BS13-0000-WS00

Lab Sample ID: 240-29546-2

Date Collected: 09/26/13 14:51

Matrix: Water

Date Received: 09/27/13 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	2.0	J	10	1.1	ug/L			10/07/13 04:00	1
Benzene	1.0	U	1.0	0.13	ug/L			10/07/13 04:00	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			10/07/13 04:00	1
Bromoform	1.0	U	1.0	0.64	ug/L			10/07/13 04:00	1
Bromomethane	1.0	U	1.0	0.41	ug/L			10/07/13 04:00	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			10/07/13 04:00	1
Carbon disulfide	5.0	U	5.0	0.13	ug/L			10/07/13 04:00	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			10/07/13 04:00	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			10/07/13 04:00	1
Chloroethane	1.0	U	1.0	0.29	ug/L			10/07/13 04:00	1
Chloroform	1.0	U	1.0	0.16	ug/L			10/07/13 04:00	1
Chloromethane	1.0	U	1.0	0.30	ug/L			10/07/13 04:00	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			10/07/13 04:00	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			10/07/13 04:00	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			10/07/13 04:00	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			10/07/13 04:00	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			10/07/13 04:00	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			10/07/13 04:00	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			10/07/13 04:00	1
2-Hexanone	10	U	10	0.41	ug/L			10/07/13 04:00	1
Methylene Chloride	5.0	U	5.0	0.33	ug/L			10/07/13 04:00	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			10/07/13 04:00	1
Styrene	1.0	U	1.0	0.11	ug/L			10/07/13 04:00	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			10/07/13 04:00	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			10/07/13 04:00	1
Toluene	1.0	U	1.0	0.13	ug/L			10/07/13 04:00	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			10/07/13 04:00	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			10/07/13 04:00	1
Xylenes, Total	2.0	U	2.0	0.14	ug/L			10/07/13 04:00	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			10/07/13 04:00	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			10/07/13 04:00	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			10/07/13 04:00	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			10/07/13 04:00	1
1,2-Dibromoethane	1.0	U	1.0	0.24	ug/L			10/07/13 04:00	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			10/07/13 04:00	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			10/07/13 04:00	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			10/07/13 04:00	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			10/07/13 04:00	1
Methyl acetate	10	U	10	0.38	ug/L			10/07/13 04:00	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			10/07/13 04:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			10/07/13 04:00	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			10/07/13 04:00	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			10/07/13 04:00	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			10/07/13 04:00	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			10/07/13 04:00	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			10/07/13 04:00	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			10/07/13 04:00	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			10/07/13 04:00	1

TestAmerica Canton

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden

TestAmerica Job ID: 240-29546-1

Client Sample ID: LLR01-BS13-0000-WS00

Lab Sample ID: 240-29546-2

Date Collected: 09/26/13 14:51

Matrix: Water

Date Received: 09/27/13 09:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		63 - 129		10/07/13 04:00	1
4-Bromofluorobenzene (Surr)	88		66 - 117		10/07/13 04:00	1
Toluene-d8 (Surr)	85		74 - 115		10/07/13 04:00	1
Dibromofluoromethane (Surr)	101		75 - 121		10/07/13 04:00	1

Method: 8270C - TCL Semivolatile Compounds (OLMO4.2)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	5.0	U	5.0	0.13	ug/L		10/02/13 08:36	10/04/13 13:47	1
2,2'-oxybis[1-chloropropane]	5.0	U	5.0	0.40	ug/L		10/02/13 08:36	10/04/13 13:47	1
2,4,5-Trichlorophenol	5.0	U	5.0	0.30	ug/L		10/02/13 08:36	10/04/13 13:47	1
2,4,6-Trichlorophenol	4.0	U	4.0	0.24	ug/L		10/02/13 08:36	10/04/13 13:47	1
2,4-Dichlorophenol	9.9	U	9.9	0.19	ug/L		10/02/13 08:36	10/04/13 13:47	1
2,4-Dimethylphenol	5.0	U	5.0	0.25	ug/L		10/02/13 08:36	10/04/13 13:47	1
2,4-Dinitrophenol	20	U	20	0.32	ug/L		10/02/13 08:36	10/04/13 13:47	1
2,4-Dinitrotoluene	5.0	U	5.0	0.25	ug/L		10/02/13 08:36	10/04/13 13:47	1
2,6-Dinitrotoluene	5.0	U	5.0	0.79	ug/L		10/02/13 08:36	10/04/13 13:47	1
2-Chloronaphthalene	5.0	U	5.0	0.099	ug/L		10/02/13 08:36	10/04/13 13:47	1
2-Chlorophenol	5.0	U	5.0	0.29	ug/L		10/02/13 08:36	10/04/13 13:47	1
2-Methylnaphthalene	5.0	U	5.0	0.090	ug/L		10/02/13 08:36	10/04/13 13:47	1
2-Methylphenol	5.0	U	5.0	0.17	ug/L		10/02/13 08:36	10/04/13 13:47	1
2-Nitroaniline	20	U	20	0.21	ug/L		10/02/13 08:36	10/04/13 13:47	1
2-Nitrophenol	5.0	U	5.0	0.28	ug/L		10/02/13 08:36	10/04/13 13:47	1
3,3'-Dichlorobenzidine	0.99	U	0.99	0.37	ug/L		10/02/13 08:36	10/04/13 13:47	1
3-Nitroaniline	20	U	20	0.28	ug/L		10/02/13 08:36	10/04/13 13:47	1
4,6-Dinitro-2-methylphenol	20	U	20	2.4	ug/L		10/02/13 08:36	10/04/13 13:47	1
4-Bromophenyl phenyl ether	5.0	U	5.0	0.22	ug/L		10/02/13 08:36	10/04/13 13:47	1
4-Chloro-3-methylphenol	5.0	U	5.0	0.21	ug/L		10/02/13 08:36	10/04/13 13:47	1
4-Chloroaniline	9.9	U	9.9	0.21	ug/L		10/02/13 08:36	10/04/13 13:47	1
4-Chlorophenyl phenyl ether	5.0	U	5.0	0.30	ug/L		10/02/13 08:36	10/04/13 13:47	1
4-Nitroaniline	20	U	20	0.22	ug/L		10/02/13 08:36	10/04/13 13:47	1
4-Nitrophenol	20	U	20	0.29	ug/L		10/02/13 08:36	10/04/13 13:47	1
Acenaphthene	5.0	U	5.0	0.044	ug/L		10/02/13 08:36	10/04/13 13:47	1
Acenaphthylene	5.0	U	5.0	0.048	ug/L		10/02/13 08:36	10/04/13 13:47	1
Acetophenone	5.0	U	5.0	0.34	ug/L		10/02/13 08:36	10/04/13 13:47	1
Anthracene	5.0	U	5.0	0.087	ug/L		10/02/13 08:36	10/04/13 13:47	1
Atrazine	3.0	U	3.0	0.34	ug/L		10/02/13 08:36	10/04/13 13:47	1
Benzaldehyde	5.0	U	5.0	0.39	ug/L		10/02/13 08:36	10/04/13 13:47	1
Benzo[a]anthracene	0.99	U	0.99	0.029	ug/L		10/02/13 08:36	10/04/13 13:47	1
Benzo[a]pyrene	0.99	U	0.99	0.051	ug/L		10/02/13 08:36	10/04/13 13:47	1
Benzo[b]fluoranthene	0.99	U	0.99	0.039	ug/L		10/02/13 08:36	10/04/13 13:47	1
Benzo[g,h,i]perylene	0.99	U	0.99	0.046	ug/L		10/02/13 08:36	10/04/13 13:47	1
Benzo[k]fluoranthene	0.99	U	0.99	0.044	ug/L		10/02/13 08:36	10/04/13 13:47	1
Bis(2-chloroethoxy)methane	5.0	U	5.0	0.32	ug/L		10/02/13 08:36	10/04/13 13:47	1
Bis(2-chloroethyl)ether	0.99	U	0.99	0.099	ug/L		10/02/13 08:36	10/04/13 13:47	1
Bis(2-ethylhexyl) phthalate	5.0	U	5.0	0.22	ug/L		10/02/13 08:36	10/04/13 13:47	1
Butyl benzyl phthalate	5.0	U	5.0	0.26	ug/L		10/02/13 08:36	10/04/13 13:47	1
Caprolactam	9.9	U	9.9	0.20	ug/L		10/02/13 08:36	10/04/13 13:47	1
Carbazole	9.9	U	9.9	0.28	ug/L		10/02/13 08:36	10/04/13 13:47	1
Chrysene	0.99	U	0.99	0.050	ug/L		10/02/13 08:36	10/04/13 13:47	1
Dibenz(a,h)anthracene	2.0	U	2.0	0.044	ug/L		10/02/13 08:36	10/04/13 13:47	1

TestAmerica Canton

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden

TestAmerica Job ID: 240-29546-1

Client Sample ID: LLR01-BS13-0000-WS00

Lab Sample ID: 240-29546-2

Date Collected: 09/26/13 14:51

Matrix: Water

Date Received: 09/27/13 09:30

Method: 8270C - TCL Semivolatile Compounds (OLMO4.2) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	4.0	U	4.0	0.020	ug/L		10/02/13 08:36	10/04/13 13:47	1
Diethyl phthalate	5.0	U	5.0	0.59	ug/L		10/02/13 08:36	10/04/13 13:47	1
Dimethyl phthalate	5.0	U	5.0	0.29	ug/L		10/02/13 08:36	10/04/13 13:47	1
Di-n-butyl phthalate	1.2	J B	5.0	0.66	ug/L		10/02/13 08:36	10/04/13 13:47	1
Di-n-octyl phthalate	5.0	U	5.0	0.23	ug/L		10/02/13 08:36	10/04/13 13:47	1
Fluoranthene	0.13	J	0.99	0.044	ug/L		10/02/13 08:36	10/04/13 13:47	1
Fluorene	5.0	U	5.0	0.040	ug/L		10/02/13 08:36	10/04/13 13:47	1
Hexachlorobenzene	0.20	U	0.20	0.084	ug/L		10/02/13 08:36	10/04/13 13:47	1
Hexachlorobutadiene	0.99	U	0.99	0.27	ug/L		10/02/13 08:36	10/04/13 13:47	1
Hexachlorocyclopentadiene	5.0	U	5.0	0.24	ug/L		10/02/13 08:36	10/04/13 13:47	1
Hexachloroethane	5.0	U	5.0	0.19	ug/L		10/02/13 08:36	10/04/13 13:47	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.043	ug/L		10/02/13 08:36	10/04/13 13:47	1
Isophorone	5.0	U	5.0	0.27	ug/L		10/02/13 08:36	10/04/13 13:47	1
Naphthalene	5.0	U	5.0	0.062	ug/L		10/02/13 08:36	10/04/13 13:47	1
Nitrobenzene	3.0	U	3.0	0.040	ug/L		10/02/13 08:36	10/04/13 13:47	1
N-Nitrosodi-n-propylamine	5.0	U	5.0	0.24	ug/L		10/02/13 08:36	10/04/13 13:47	1
N-Nitrosodiphenylamine	5.0	U	5.0	0.31	ug/L		10/02/13 08:36	10/04/13 13:47	1
Pentachlorophenol	5.0	U	5.0	0.27	ug/L		10/02/13 08:36	10/04/13 13:47	1
Phenol	5.0	U	5.0	0.59	ug/L		10/02/13 08:36	10/04/13 13:47	1
Phenanthrene	2.0	U	2.0	0.061	ug/L		10/02/13 08:36	10/04/13 13:47	1
Pyrene	0.12	J	5.0	0.042	ug/L		10/02/13 08:36	10/04/13 13:47	1
3 & 4 Methylphenol	5.0	U	5.0	0.79	ug/L		10/02/13 08:36	10/04/13 13:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	59		20 - 110	10/02/13 08:36	10/04/13 13:47	1
2-Fluorophenol (Surr)	69		10 - 110	10/02/13 08:36	10/04/13 13:47	1
2,4,6-Tribromophenol (Surr)	71		21 - 110	10/02/13 08:36	10/04/13 13:47	1
Nitrobenzene-d5 (Surr)	72		21 - 110	10/02/13 08:36	10/04/13 13:47	1
Phenol-d5 (Surr)	74		21 - 110	10/02/13 08:36	10/04/13 13:47	1
Terphenyl-d14 (Surr)	76		24 - 110	10/02/13 08:36	10/04/13 13:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.10	U	0.10	0.044	ug/L		10/02/13 09:03	10/03/13 19:36	1
PCB-1221	0.10	U	0.10	0.045	ug/L		10/02/13 09:03	10/03/13 19:36	1
PCB-1232	0.10	U	0.10	0.074	ug/L		10/02/13 09:03	10/03/13 19:36	1
PCB-1242	0.10	U	0.10	0.061	ug/L		10/02/13 09:03	10/03/13 19:36	1
PCB-1248	0.10	U	0.10	0.062	ug/L		10/02/13 09:03	10/03/13 19:36	1
PCB-1254	0.090	J	0.10	0.032	ug/L		10/02/13 09:03	10/03/13 19:36	1
PCB-1260	0.10	U	0.10	0.038	ug/L		10/02/13 09:03	10/03/13 19:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	75		23 - 136	10/02/13 09:03	10/03/13 19:36	1
DCB Decachlorobiphenyl	55		10 - 130	10/02/13 09:03	10/03/13 19:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.59	J B	5.0	0.063	ug/L		09/30/13 09:56	10/02/13 13:50	1
Barium	110	B	5.0	0.32	ug/L		09/30/13 09:56	10/02/13 13:50	1
Cadmium	0.53	J	1.0	0.026	ug/L		09/30/13 09:56	10/02/13 13:50	1

TestAmerica Canton

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden

TestAmerica Job ID: 240-29546-1

Client Sample ID: LLR01-BS13-0000-WS00

Lab Sample ID: 240-29546-2

Date Collected: 09/26/13 14:51

Matrix: Water

Date Received: 09/27/13 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.44	J	2.0	0.13	ug/L		09/30/13 09:56	10/02/13 13:50	1
Copper	25	B	2.0	0.24	ug/L		09/30/13 09:56	10/02/13 13:50	1
Lead	32	B	1.0	0.14	ug/L		09/30/13 09:56	10/02/13 13:50	1
Selenium	0.87	J	5.0	0.34	ug/L		09/30/13 09:56	10/02/13 13:50	1
Zinc	710	B	20	2.1	ug/L		09/30/13 09:56	10/02/13 13:50	1
Silver	0.044	J B	0.20	0.0083	ug/L		09/30/13 09:56	10/02/13 13:50	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		09/30/13 16:50	10/01/13 18:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1300		20	15	mg/L			09/30/13 14:28	1
Total Suspended Solids	16		4.0	1.8	mg/L			10/01/13 08:52	1
Ammonia	0.087	J B	0.20	0.025	mg/L			10/03/13 15:37	1

TestAmerica Canton

Surrogate Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden

TestAmerica Job ID: 240-29546-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		12DCE (63-129)	BFB (66-117)	TOL (74-115)	DBFM (75-121)
240-29546-1	LLR01-BS12-0000-WS00	96	78	83	94
240-29546-2	LLR01-BS13-0000-WS00	98	88	85	101
LCS 240-104372/4	Lab Control Sample	83	98	100	89
MB 240-104372/5	Method Blank	94	81	88	91

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane (Surr)

Method: 8270C - TCL Semivolatile Compounds (OLMO4.2)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		FBP (20-110)	2FP (10-110)	TBP (21-110)	NBZ (21-110)	PHL (21-110)	TPH (24-110)
240-29546-1	LLR01-BS12-0000-WS00	60	65	79	68	70	82
240-29546-2	LLR01-BS13-0000-WS00	59	69	71	72	74	76
LCS 240-103781/22-A	Lab Control Sample	81	80	89	87	85	94
MB 240-103781/21-A	Method Blank	68	72	65	78	75	96

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)

2FP = 2-Fluorophenol (Surr)

TBP = 2,4,6-Tribromophenol (Surr)

NBZ = Nitrobenzene-d5 (Surr)

PHL = Phenol-d5 (Surr)

TPH = Terphenyl-d14 (Surr)

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		TCX2 (23-136)	DCB2 (10-130)
240-29546-1	LLR01-BS12-0000-WS00	71	47
240-29546-2	LLR01-BS13-0000-WS00	75	55
LCS 240-103793/9-A	Lab Control Sample	74	91
MB 240-103793/8-A	Method Blank	53	87

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCB = DCB Decachlorobiphenyl

TestAmerica Canton

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden

TestAmerica Job ID: 240-29546-1

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

Lab Sample ID: MB 240-104372/5

Matrix: Water

Analysis Batch: 104372

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			10/06/13 22:03	1
Benzene	1.0	U	1.0	0.13	ug/L			10/06/13 22:03	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			10/06/13 22:03	1
Bromoform	1.0	U	1.0	0.64	ug/L			10/06/13 22:03	1
Bromomethane	1.0	U	1.0	0.41	ug/L			10/06/13 22:03	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			10/06/13 22:03	1
Carbon disulfide	5.0	U	5.0	0.13	ug/L			10/06/13 22:03	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			10/06/13 22:03	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			10/06/13 22:03	1
Chloroethane	1.0	U	1.0	0.29	ug/L			10/06/13 22:03	1
Chloroform	1.0	U	1.0	0.16	ug/L			10/06/13 22:03	1
Chloromethane	1.0	U	1.0	0.30	ug/L			10/06/13 22:03	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			10/06/13 22:03	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			10/06/13 22:03	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			10/06/13 22:03	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			10/06/13 22:03	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			10/06/13 22:03	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			10/06/13 22:03	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			10/06/13 22:03	1
2-Hexanone	10	U	10	0.41	ug/L			10/06/13 22:03	1
Methylene Chloride	0.621	J	5.0	0.33	ug/L			10/06/13 22:03	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			10/06/13 22:03	1
Styrene	1.0	U	1.0	0.11	ug/L			10/06/13 22:03	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			10/06/13 22:03	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			10/06/13 22:03	1
Toluene	1.0	U	1.0	0.13	ug/L			10/06/13 22:03	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			10/06/13 22:03	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			10/06/13 22:03	1
Xylenes, Total	2.0	U	2.0	0.14	ug/L			10/06/13 22:03	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			10/06/13 22:03	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			10/06/13 22:03	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			10/06/13 22:03	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			10/06/13 22:03	1
1,2-Dibromoethane	1.0	U	1.0	0.24	ug/L			10/06/13 22:03	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			10/06/13 22:03	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			10/06/13 22:03	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			10/06/13 22:03	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			10/06/13 22:03	1
Methyl acetate	10	U	10	0.38	ug/L			10/06/13 22:03	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			10/06/13 22:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			10/06/13 22:03	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			10/06/13 22:03	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			10/06/13 22:03	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			10/06/13 22:03	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			10/06/13 22:03	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			10/06/13 22:03	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			10/06/13 22:03	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			10/06/13 22:03	1

TestAmerica Canton

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden

TestAmerica Job ID: 240-29546-1

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

Lab Sample ID: MB 240-104372/5

Matrix: Water

Analysis Batch: 104372

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		63 - 129		10/06/13 22:03	1
4-Bromofluorobenzene (Surr)	81		66 - 117		10/06/13 22:03	1
Toluene-d8 (Surr)	88		74 - 115		10/06/13 22:03	1
Dibromofluoromethane (Surr)	91		75 - 121		10/06/13 22:03	1

Lab Sample ID: LCS 240-104372/4

Matrix: Water

Analysis Batch: 104372

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	17.0		ug/L		85	43 - 136
Benzene	10.0	9.81		ug/L		98	83 - 112
Bromodichloromethane	10.0	9.25		ug/L		93	72 - 121
Bromoform	10.0	8.21		ug/L		82	40 - 131
Bromomethane	10.0	10.3		ug/L		103	11 - 185
2-Butanone (MEK)	20.0	16.4		ug/L		82	60 - 126
Carbon disulfide	10.0	9.17		ug/L		92	62 - 142
Carbon tetrachloride	10.0	8.82		ug/L		88	66 - 128
Chlorobenzene	10.0	9.85		ug/L		98	85 - 110
Chloroethane	10.0	10.3		ug/L		103	25 - 153
Chloroform	10.0	9.25		ug/L		93	79 - 117
Chloromethane	10.0	10.4		ug/L		104	44 - 126
1,1-Dichloroethane	10.0	10.0		ug/L		100	82 - 115
1,2-Dichloroethane	10.0	8.87		ug/L		89	71 - 127
1,1-Dichloroethene	10.0	9.31		ug/L		93	78 - 131
1,2-Dichloropropane	10.0	10.3		ug/L		103	81 - 115
cis-1,3-Dichloropropene	10.0	8.23		ug/L		82	61 - 115
trans-1,3-Dichloropropene	10.0	9.50		ug/L		95	58 - 117
Ethylbenzene	10.0	9.99		ug/L		100	83 - 112
2-Hexanone	20.0	20.4		ug/L		102	55 - 133
Methylene Chloride	10.0	11.5		ug/L		115	66 - 131
4-Methyl-2-pentanone (MIBK)	20.0	19.4		ug/L		97	63 - 128
Styrene	10.0	10.3		ug/L		103	79 - 114
1,1,2,2-Tetrachloroethane	10.0	9.20		ug/L		92	68 - 118
Tetrachloroethene	10.0	9.60		ug/L		96	79 - 114
Toluene	10.0	9.03		ug/L		90	84 - 111
Trichloroethene	10.0	9.15		ug/L		92	76 - 117
Vinyl chloride	10.0	10.5		ug/L		105	53 - 127
Xylenes, Total	20.0	19.9		ug/L		99	83 - 112
1,1,1-Trichloroethane	10.0	9.28		ug/L		93	74 - 118
1,1,2-Trichloroethane	10.0	9.95		ug/L		99	80 - 112
Cyclohexane	10.0	9.26		ug/L		93	54 - 121
1,2-Dibromo-3-Chloropropane	10.0	8.00		ug/L		80	42 - 136
1,2-Dibromoethane	10.0	9.69		ug/L		97	79 - 113
Dichlorodifluoromethane	10.0	6.49		ug/L		65	19 - 129
cis-1,2-Dichloroethene	10.0	9.33		ug/L		93	80 - 113
trans-1,2-Dichloroethene	10.0	9.89		ug/L		99	83 - 117
Isopropylbenzene	10.0	9.73		ug/L		97	75 - 114

TestAmerica Canton

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden

TestAmerica Job ID: 240-29546-1

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

Lab Sample ID: LCS 240-104372/4

Matrix: Water

Analysis Batch: 104372

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl acetate	50.0	44.7		ug/L		89	58 - 131
Methyl tert-butyl ether	10.0	8.63		ug/L		86	52 - 144
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	9.30		ug/L		93	74 - 151
1,2,4-Trichlorobenzene	10.0	7.67		ug/L		77	48 - 135
1,2-Dichlorobenzene	10.0	9.34		ug/L		93	81 - 110
1,3-Dichlorobenzene	10.0	9.23		ug/L		92	80 - 110
1,4-Dichlorobenzene	10.0	9.21		ug/L		92	82 - 110
Trichlorofluoromethane	10.0	11.4		ug/L		114	49 - 157
Dibromochloromethane	10.0	8.99		ug/L		90	64 - 119
Methylcyclohexane	10.0	8.46		ug/L		85	56 - 127

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	83		63 - 129
4-Bromofluorobenzene (Surr)	98		66 - 117
Toluene-d8 (Surr)	100		74 - 115
Dibromofluoromethane (Surr)	89		75 - 121

Method: 8270C - TCL Semivolatile Compounds (OLMO4.2)

Lab Sample ID: MB 240-103781/21-A

Matrix: Water

Analysis Batch: 104137

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 103781

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	5.0	U	5.0	0.13	ug/L		10/02/13 08:36	10/04/13 07:59	1
2,2'-oxybis[1-chloropropane]	5.0	U	5.0	0.40	ug/L		10/02/13 08:36	10/04/13 07:59	1
2,4,5-Trichlorophenol	5.0	U	5.0	0.30	ug/L		10/02/13 08:36	10/04/13 07:59	1
2,4,6-Trichlorophenol	4.0	U	4.0	0.24	ug/L		10/02/13 08:36	10/04/13 07:59	1
2,4-Dichlorophenol	10	U	10	0.19	ug/L		10/02/13 08:36	10/04/13 07:59	1
2,4-Dimethylphenol	5.0	U	5.0	0.25	ug/L		10/02/13 08:36	10/04/13 07:59	1
2,4-Dinitrophenol	20	U	20	0.32	ug/L		10/02/13 08:36	10/04/13 07:59	1
2,4-Dinitrotoluene	5.0	U	5.0	0.25	ug/L		10/02/13 08:36	10/04/13 07:59	1
2,6-Dinitrotoluene	5.0	U	5.0	0.80	ug/L		10/02/13 08:36	10/04/13 07:59	1
2-Chloronaphthalene	5.0	U	5.0	0.10	ug/L		10/02/13 08:36	10/04/13 07:59	1
2-Chlorophenol	5.0	U	5.0	0.29	ug/L		10/02/13 08:36	10/04/13 07:59	1
2-Methylnaphthalene	5.0	U	5.0	0.090	ug/L		10/02/13 08:36	10/04/13 07:59	1
2-Methylphenol	5.0	U	5.0	0.17	ug/L		10/02/13 08:36	10/04/13 07:59	1
2-Nitroaniline	20	U	20	0.21	ug/L		10/02/13 08:36	10/04/13 07:59	1
2-Nitrophenol	5.0	U	5.0	0.28	ug/L		10/02/13 08:36	10/04/13 07:59	1
3,3'-Dichlorobenzidine	1.0	U	1.0	0.37	ug/L		10/02/13 08:36	10/04/13 07:59	1
3-Nitroaniline	20	U	20	0.28	ug/L		10/02/13 08:36	10/04/13 07:59	1
4,6-Dinitro-2-methylphenol	20	U	20	2.4	ug/L		10/02/13 08:36	10/04/13 07:59	1
4-Bromophenyl phenyl ether	5.0	U	5.0	0.22	ug/L		10/02/13 08:36	10/04/13 07:59	1
4-Chloro-3-methylphenol	5.0	U	5.0	0.21	ug/L		10/02/13 08:36	10/04/13 07:59	1
4-Chloroaniline	10	U	10	0.21	ug/L		10/02/13 08:36	10/04/13 07:59	1
4-Chlorophenyl phenyl ether	5.0	U	5.0	0.30	ug/L		10/02/13 08:36	10/04/13 07:59	1
4-Nitroaniline	20	U	20	0.22	ug/L		10/02/13 08:36	10/04/13 07:59	1

TestAmerica Canton

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden

TestAmerica Job ID: 240-29546-1

Method: 8270C - TCL Semivolatile Compounds (OLMO4.2) (Continued)

Lab Sample ID: MB 240-103781/21-A

Matrix: Water

Analysis Batch: 104137

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 103781

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	20	U	20	0.29	ug/L		10/02/13 08:36	10/04/13 07:59	1
Acenaphthene	5.0	U	5.0	0.044	ug/L		10/02/13 08:36	10/04/13 07:59	1
Acenaphthylene	5.0	U	5.0	0.048	ug/L		10/02/13 08:36	10/04/13 07:59	1
Acetophenone	5.0	U	5.0	0.34	ug/L		10/02/13 08:36	10/04/13 07:59	1
Anthracene	5.0	U	5.0	0.088	ug/L		10/02/13 08:36	10/04/13 07:59	1
Atrazine	3.0	U	3.0	0.34	ug/L		10/02/13 08:36	10/04/13 07:59	1
Benzaldehyde	5.0	U	5.0	0.39	ug/L		10/02/13 08:36	10/04/13 07:59	1
Benzo[a]anthracene	1.0	U	1.0	0.030	ug/L		10/02/13 08:36	10/04/13 07:59	1
Benzo[a]pyrene	1.0	U	1.0	0.051	ug/L		10/02/13 08:36	10/04/13 07:59	1
Benzo[b]fluoranthene	1.0	U	1.0	0.039	ug/L		10/02/13 08:36	10/04/13 07:59	1
Benzo[g,h,i]perylene	1.0	U	1.0	0.046	ug/L		10/02/13 08:36	10/04/13 07:59	1
Benzo[k]fluoranthene	1.0	U	1.0	0.045	ug/L		10/02/13 08:36	10/04/13 07:59	1
Bis(2-chloroethoxy)methane	5.0	U	5.0	0.32	ug/L		10/02/13 08:36	10/04/13 07:59	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.10	ug/L		10/02/13 08:36	10/04/13 07:59	1
Bis(2-ethylhexyl) phthalate	0.394	J	5.0	0.22	ug/L		10/02/13 08:36	10/04/13 07:59	1
Butyl benzyl phthalate	5.0	U	5.0	0.26	ug/L		10/02/13 08:36	10/04/13 07:59	1
Caprolactam	10	U	10	0.20	ug/L		10/02/13 08:36	10/04/13 07:59	1
Carbazole	10	U	10	0.28	ug/L		10/02/13 08:36	10/04/13 07:59	1
Chrysene	1.0	U	1.0	0.050	ug/L		10/02/13 08:36	10/04/13 07:59	1
Dibenz(a,h)anthracene	2.0	U	2.0	0.045	ug/L		10/02/13 08:36	10/04/13 07:59	1
Dibenzofuran	4.0	U	4.0	0.020	ug/L		10/02/13 08:36	10/04/13 07:59	1
Diethyl phthalate	5.0	U	5.0	0.60	ug/L		10/02/13 08:36	10/04/13 07:59	1
Dimethyl phthalate	5.0	U	5.0	0.29	ug/L		10/02/13 08:36	10/04/13 07:59	1
Di-n-butyl phthalate	1.65	J	5.0	0.67	ug/L		10/02/13 08:36	10/04/13 07:59	1
Di-n-octyl phthalate	5.0	U	5.0	0.23	ug/L		10/02/13 08:36	10/04/13 07:59	1
Fluoranthene	1.0	U	1.0	0.045	ug/L		10/02/13 08:36	10/04/13 07:59	1
Fluorene	5.0	U	5.0	0.041	ug/L		10/02/13 08:36	10/04/13 07:59	1
Hexachlorobenzene	0.20	U	0.20	0.085	ug/L		10/02/13 08:36	10/04/13 07:59	1
Hexachlorobutadiene	1.0	U	1.0	0.27	ug/L		10/02/13 08:36	10/04/13 07:59	1
Hexachlorocyclopentadiene	5.0	U	5.0	0.24	ug/L		10/02/13 08:36	10/04/13 07:59	1
Hexachloroethane	5.0	U	5.0	0.19	ug/L		10/02/13 08:36	10/04/13 07:59	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.043	ug/L		10/02/13 08:36	10/04/13 07:59	1
Isophorone	5.0	U	5.0	0.27	ug/L		10/02/13 08:36	10/04/13 07:59	1
Naphthalene	5.0	U	5.0	0.063	ug/L		10/02/13 08:36	10/04/13 07:59	1
Nitrobenzene	3.0	U	3.0	0.040	ug/L		10/02/13 08:36	10/04/13 07:59	1
N-Nitrosodi-n-propylamine	5.0	U	5.0	0.24	ug/L		10/02/13 08:36	10/04/13 07:59	1
N-Nitrosodiphenylamine	5.0	U	5.0	0.31	ug/L		10/02/13 08:36	10/04/13 07:59	1
Pentachlorophenol	5.0	U	5.0	0.27	ug/L		10/02/13 08:36	10/04/13 07:59	1
Phenol	5.0	U	5.0	0.60	ug/L		10/02/13 08:36	10/04/13 07:59	1
Phenanthrene	2.0	U	2.0	0.062	ug/L		10/02/13 08:36	10/04/13 07:59	1
Pyrene	5.0	U	5.0	0.042	ug/L		10/02/13 08:36	10/04/13 07:59	1
3 & 4 Methylphenol	5.0	U	5.0	0.80	ug/L		10/02/13 08:36	10/04/13 07:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	68		20 - 110	10/02/13 08:36	10/04/13 07:59	1
2-Fluorophenol (Surr)	72		10 - 110	10/02/13 08:36	10/04/13 07:59	1
2,4,6-Tribromophenol (Surr)	65		21 - 110	10/02/13 08:36	10/04/13 07:59	1
Nitrobenzene-d5 (Surr)	78		21 - 110	10/02/13 08:36	10/04/13 07:59	1

TestAmerica Canton

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden

TestAmerica Job ID: 240-29546-1

Method: 8270C - TCL Semivolatile Compounds (OLMO4.2) (Continued)

Lab Sample ID: MB 240-103781/21-A

Matrix: Water

Analysis Batch: 104137

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 103781

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5 (Surr)	75		21 - 110	10/02/13 08:36	10/04/13 07:59	1
Terphenyl-d14 (Surr)	96		24 - 110	10/02/13 08:36	10/04/13 07:59	1

Lab Sample ID: LCS 240-103781/22-A

Matrix: Water

Analysis Batch: 104137

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 103781

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	20.0	15.8		ug/L		79	43 - 110
2,2'-oxybis[1-chloropropane]	20.0	17.1		ug/L		85	37 - 110
2,4,5-Trichlorophenol	20.0	17.1		ug/L		85	48 - 110
2,4,6-Trichlorophenol	20.0	17.4		ug/L		87	45 - 110
2,4-Dichlorophenol	20.0	16.2		ug/L		81	41 - 110
2,4-Dimethylphenol	20.0	14.0		ug/L		70	32 - 110
2,4-Dinitrophenol	40.0	23.1		ug/L		58	10 - 110
2,4-Dinitrotoluene	20.0	19.3		ug/L		96	53 - 110
2,6-Dinitrotoluene	20.0	18.9		ug/L		94	54 - 110
2-Chloronaphthalene	20.0	15.9		ug/L		79	43 - 110
2-Chlorophenol	20.0	15.7		ug/L		79	29 - 110
2-Methylnaphthalene	20.0	14.6		ug/L		73	45 - 110
2-Methylphenol	20.0	15.9		ug/L		80	42 - 110
2-Nitroaniline	20.0	20.4		ug/L		102	54 - 110
2-Nitrophenol	20.0	17.0		ug/L		85	40 - 110
3,3'-Dichlorobenzidine	40.0	33.2		ug/L		83	22 - 110
3-Nitroaniline	20.0	18.1	J	ug/L		91	53 - 110
4,6-Dinitro-2-methylphenol	40.0	28.8		ug/L		72	31 - 110
4-Bromophenyl phenyl ether	20.0	17.4		ug/L		87	45 - 110
4-Chloro-3-methylphenol	20.0	17.2		ug/L		86	52 - 110
4-Chloroaniline	20.0	15.2		ug/L		76	44 - 110
4-Chlorophenyl phenyl ether	20.0	16.8		ug/L		84	47 - 110
4-Nitroaniline	20.0	18.5	J	ug/L		92	54 - 110
4-Nitrophenol	40.0	32.8		ug/L		82	33 - 112
Acenaphthene	20.0	16.3		ug/L		82	47 - 110
Acenaphthylene	20.0	15.6		ug/L		78	49 - 110
Acetophenone	20.0	16.5		ug/L		82	46 - 110
Anthracene	20.0	16.9		ug/L		85	52 - 110
Atrazine	40.0	35.5		ug/L		89	66 - 126
Benzaldehyde	40.0	36.7		ug/L		92	38 - 110
Benzo[a]anthracene	20.0	16.4		ug/L		82	52 - 110
Benzo[a]pyrene	20.0	17.5		ug/L		87	44 - 110
Benzo[b]fluoranthene	20.0	18.9		ug/L		94	48 - 110
Benzo[g,h,i]perylene	20.0	18.4		ug/L		92	50 - 110
Benzo[k]fluoranthene	20.0	17.1		ug/L		86	49 - 110
Bis(2-chloroethoxy)methane	20.0	16.3		ug/L		82	43 - 110
Bis(2-chloroethyl)ether	20.0	16.3		ug/L		81	40 - 110
Bis(2-ethylhexyl) phthalate	20.0	17.2		ug/L		86	39 - 116
Butyl benzyl phthalate	20.0	17.6		ug/L		88	55 - 110
Caprolactam	40.0	39.2		ug/L		98	45 - 111

TestAmerica Canton

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden

TestAmerica Job ID: 240-29546-1

Method: 8270C - TCL Semivolatile Compounds (OLMO4.2) (Continued)

Lab Sample ID: LCS 240-103781/22-A

Matrix: Water

Analysis Batch: 104137

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 103781

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbazole	20.0	18.0		ug/L		90	55 - 110
Chrysene	20.0	16.0		ug/L		80	55 - 110
Dibenz(a,h)anthracene	20.0	16.6		ug/L		83	49 - 110
Dibenzofuran	20.0	16.5		ug/L		83	51 - 110
Diethyl phthalate	20.0	17.8		ug/L		89	58 - 110
Dimethyl phthalate	20.0	17.5		ug/L		88	57 - 110
Di-n-butyl phthalate	20.0	19.3		ug/L		97	57 - 110
Di-n-octyl phthalate	20.0	16.2		ug/L		81	40 - 110
Fluoranthene	20.0	17.4		ug/L		87	54 - 110
Fluorene	20.0	16.6		ug/L		83	52 - 110
Hexachlorobenzene	20.0	16.7		ug/L		84	50 - 110
Hexachlorobutadiene	20.0	11.7		ug/L		58	33 - 110
Hexachlorocyclopentadiene	20.0	1.12	J	ug/L		6	4 - 110
Hexachloroethane	20.0	12.2		ug/L		61	35 - 110
Indeno[1,2,3-cd]pyrene	20.0	16.7		ug/L		83	50 - 110
Isophorone	20.0	16.0		ug/L		80	49 - 110
Naphthalene	20.0	14.3		ug/L		72	44 - 110
Nitrobenzene	20.0	17.2		ug/L		86	42 - 110
N-Nitrosodi-n-propylamine	20.0	16.4		ug/L		82	47 - 110
N-Nitrosodiphenylamine	40.0	33.2		ug/L		83	50 - 110
Pentachlorophenol	40.0	21.8		ug/L		54	18 - 110
Phenol	20.0	17.9		ug/L		90	33 - 110
Phenanthrene	20.0	16.8		ug/L		84	53 - 110
Pyrene	20.0	16.6		ug/L		83	52 - 110
3 & 4 Methylphenol	20.0	16.3		ug/L		81	44 - 110

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	81		20 - 110
2-Fluorophenol (Surr)	80		10 - 110
2,4,6-Tribromophenol (Surr)	89		21 - 110
Nitrobenzene-d5 (Surr)	87		21 - 110
Phenol-d5 (Surr)	85		21 - 110
Terphenyl-d14 (Surr)	94		24 - 110

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

Lab Sample ID: MB 240-103793/8-A

Matrix: Water

Analysis Batch: 104092

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 103793

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.10	U	0.10	0.044	ug/L		10/02/13 09:03	10/03/13 21:02	1
PCB-1221	0.10	U	0.10	0.045	ug/L		10/02/13 09:03	10/03/13 21:02	1
PCB-1232	0.10	U	0.10	0.073	ug/L		10/02/13 09:03	10/03/13 21:02	1
PCB-1242	0.10	U	0.10	0.060	ug/L		10/02/13 09:03	10/03/13 21:02	1
PCB-1248	0.10	U	0.10	0.061	ug/L		10/02/13 09:03	10/03/13 21:02	1
PCB-1254	0.10	U	0.10	0.032	ug/L		10/02/13 09:03	10/03/13 21:02	1
PCB-1260	0.10	U	0.10	0.038	ug/L		10/02/13 09:03	10/03/13 21:02	1

TestAmerica Canton

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden

TestAmerica Job ID: 240-29546-1

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

Lab Sample ID: MB 240-103793/8-A

Matrix: Water

Analysis Batch: 104092

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 103793

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	53		23 - 136	10/02/13 09:03	10/03/13 21:02	1
DCB Decachlorobiphenyl	87		10 - 130	10/02/13 09:03	10/03/13 21:02	1

Lab Sample ID: LCS 240-103793/9-A

Matrix: Water

Analysis Batch: 104092

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 103793

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	2.50	2.49		ug/L		99	66 - 120
PCB-1260	2.50	2.68		ug/L		107	55 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	74		23 - 136
DCB Decachlorobiphenyl	91		10 - 130

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 240-103469/1-A

Matrix: Water

Analysis Batch: 103943

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 103469

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.102	J	5.0	0.063	ug/L		09/30/13 09:56	10/02/13 12:50	1
Barium	0.969	J	5.0	0.32	ug/L		09/30/13 09:56	10/02/13 12:50	1
Cadmium	1.0	U	1.0	0.026	ug/L		09/30/13 09:56	10/02/13 12:50	1
Chromium	2.0	U	2.0	0.13	ug/L		09/30/13 09:56	10/02/13 12:50	1
Copper	0.864	J	2.0	0.24	ug/L		09/30/13 09:56	10/02/13 12:50	1
Lead	0.169	J	1.0	0.14	ug/L		09/30/13 09:56	10/02/13 12:50	1
Selenium	5.0	U	5.0	0.34	ug/L		09/30/13 09:56	10/02/13 12:50	1
Zinc	5.56	J	20	2.1	ug/L		09/30/13 09:56	10/02/13 12:50	1
Silver	0.0480	J	0.20	0.0083	ug/L		09/30/13 09:56	10/02/13 12:50	1

Lab Sample ID: LCS 240-103469/2-A

Matrix: Water

Analysis Batch: 103943

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 103469

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1000	1050		ug/L		105	80 - 120
Barium	1000	947		ug/L		95	80 - 120
Cadmium	1000	1010		ug/L		101	80 - 120
Chromium	1000	1020		ug/L		102	80 - 120
Copper	1000	1070		ug/L		107	80 - 120
Lead	1000	942		ug/L		94	80 - 120
Selenium	1000	1040		ug/L		104	80 - 120
Zinc	1000	1020		ug/L		102	80 - 120
Silver	100	106		ug/L		106	80 - 120

TestAmerica Canton

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden

TestAmerica Job ID: 240-29546-1

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

Lab Sample ID: 240-29546-2 MS

Matrix: Water

Analysis Batch: 103943

Client Sample ID: LLR01-BS13-0000-WS00

Prep Type: Total Recoverable

Prep Batch: 103469

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.59	J B	1000	1080		ug/L		108	82 - 123
Barium	110	B	1000	1120		ug/L		101	45 - 144
Cadmium	0.53	J	1000	1000		ug/L		100	78 - 117
Chromium	0.44	J	1000	1050		ug/L		105	72 - 110
Copper	25	B	1000	1030		ug/L		100	60 - 123
Lead	32	B	1000	1080		ug/L		105	73 - 115
Selenium	0.87	J	1000	1010		ug/L		101	72 - 148
Zinc	710	B	1000	1630		ug/L		92	49 - 156
Silver	0.044	J B	100	104		ug/L		104	10 - 139

Lab Sample ID: 240-29546-2 MSD

Matrix: Water

Analysis Batch: 103943

Client Sample ID: LLR01-BS13-0000-WS00

Prep Type: Total Recoverable

Prep Batch: 103469

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	0.59	J B	1000	1060		ug/L		106	82 - 123	2	20
Barium	110	B	1000	1080		ug/L		97	45 - 144	3	20
Cadmium	0.53	J	1000	979		ug/L		98	78 - 117	3	20
Chromium	0.44	J	1000	1030		ug/L		103	72 - 110	2	20
Copper	25	B	1000	1010		ug/L		98	60 - 123	2	20
Lead	32	B	1000	1060		ug/L		102	73 - 115	2	20
Selenium	0.87	J	1000	984		ug/L		98	72 - 148	2	20
Zinc	710	B	1000	1590		ug/L		89	49 - 156	2	20
Silver	0.044	J B	100	102		ug/L		101	10 - 139	2	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 240-103444/1-A

Matrix: Water

Analysis Batch: 103667

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 103444

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		09/30/13 16:50	10/01/13 18:16	1

Lab Sample ID: LCS 240-103444/2-A

Matrix: Water

Analysis Batch: 103667

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 103444

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	5.00	4.56		ug/L		91	81 - 123

Lab Sample ID: 240-29546-1 MS

Matrix: Water

Analysis Batch: 103667

Client Sample ID: LLR01-BS12-0000-WS00

Prep Type: Total/NA

Prep Batch: 103444

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.20	U	1.00	1.07		ug/L		107	69 - 134

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QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden

TestAmerica Job ID: 240-29546-1

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

Lab Sample ID: 240-29546-1 MSD

Matrix: Water

Analysis Batch: 103667

Client Sample ID: LLR01-BS12-0000-WS00

Prep Type: Total/NA

Prep Batch: 103444

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.20	U	1.00	0.970		ug/L		97	69 - 134	10	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 240-103538/1

Matrix: Water

Analysis Batch: 103538

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	10	U	10	7.4	mg/L			09/30/13 14:28	1

Lab Sample ID: LCS 240-103538/2

Matrix: Water

Analysis Batch: 103538

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	470	436		mg/L		93	88 - 110

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 240-103616/1

Matrix: Water

Analysis Batch: 103616

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	4.0	U	4.0	1.8	mg/L			10/01/13 08:52	1

Lab Sample ID: LCS 240-103616/2

Matrix: Water

Analysis Batch: 103616

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	29.0	29.0		mg/L		100	73 - 113

Method: SM4500 NH3 -F - Ammonia

Lab Sample ID: MB 240-104098/7

Matrix: Water

Analysis Batch: 104098

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.0574	J	0.20	0.025	mg/L			10/03/13 12:58	1

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QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden

TestAmerica Job ID: 240-29546-1

Method: SM4500 NH3 -F - Ammonia (Continued)

Lab Sample ID: LCS 240-104098/8

Matrix: Water

Analysis Batch: 104098

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	10.1	10.7		mg/L		105	85 - 114

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden

TestAmerica Job ID: 240-29546-1

GC/MS VOA

Analysis Batch: 104372

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-29546-1	LLR01-BS12-0000-WS00	Total/NA	Water	8260B	
240-29546-2	LLR01-BS13-0000-WS00	Total/NA	Water	8260B	
LCS 240-104372/4	Lab Control Sample	Total/NA	Water	8260B	
MB 240-104372/5	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 103781

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-29546-1	LLR01-BS12-0000-WS00	Total/NA	Water	3520C	
240-29546-2	LLR01-BS13-0000-WS00	Total/NA	Water	3520C	
LCS 240-103781/22-A	Lab Control Sample	Total/NA	Water	3520C	
MB 240-103781/21-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 104137

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-29546-1	LLR01-BS12-0000-WS00	Total/NA	Water	8270C	103781
240-29546-2	LLR01-BS13-0000-WS00	Total/NA	Water	8270C	103781
LCS 240-103781/22-A	Lab Control Sample	Total/NA	Water	8270C	103781
MB 240-103781/21-A	Method Blank	Total/NA	Water	8270C	103781

GC Semi VOA

Prep Batch: 103793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-29546-1	LLR01-BS12-0000-WS00	Total/NA	Water	3520C	
240-29546-2	LLR01-BS13-0000-WS00	Total/NA	Water	3520C	
LCS 240-103793/9-A	Lab Control Sample	Total/NA	Water	3520C	
MB 240-103793/8-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 104092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-29546-1	LLR01-BS12-0000-WS00	Total/NA	Water	8082	103793
240-29546-2	LLR01-BS13-0000-WS00	Total/NA	Water	8082	103793
LCS 240-103793/9-A	Lab Control Sample	Total/NA	Water	8082	103793
MB 240-103793/8-A	Method Blank	Total/NA	Water	8082	103793

Metals

Prep Batch: 103444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-29546-1	LLR01-BS12-0000-WS00	Total/NA	Water	7470A	
240-29546-1 MS	LLR01-BS12-0000-WS00	Total/NA	Water	7470A	
240-29546-1 MSD	LLR01-BS12-0000-WS00	Total/NA	Water	7470A	
240-29546-2	LLR01-BS13-0000-WS00	Total/NA	Water	7470A	
LCS 240-103444/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 240-103444/1-A	Method Blank	Total/NA	Water	7470A	

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QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden

TestAmerica Job ID: 240-29546-1

Metals (Continued)

Prep Batch: 103469

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-29546-1	LLR01-BS12-0000-WS00	Total Recoverable	Water	3005A	
240-29546-2	LLR01-BS13-0000-WS00	Total Recoverable	Water	3005A	
240-29546-2 MS	LLR01-BS13-0000-WS00	Total Recoverable	Water	3005A	
240-29546-2 MSD	LLR01-BS13-0000-WS00	Total Recoverable	Water	3005A	
LCS 240-103469/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 240-103469/1-A	Method Blank	Total Recoverable	Water	3005A	

Analysis Batch: 103667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-29546-1	LLR01-BS12-0000-WS00	Total/NA	Water	7470A	103444
240-29546-1 MS	LLR01-BS12-0000-WS00	Total/NA	Water	7470A	103444
240-29546-1 MSD	LLR01-BS12-0000-WS00	Total/NA	Water	7470A	103444
240-29546-2	LLR01-BS13-0000-WS00	Total/NA	Water	7470A	103444
LCS 240-103444/2-A	Lab Control Sample	Total/NA	Water	7470A	103444
MB 240-103444/1-A	Method Blank	Total/NA	Water	7470A	103444

Analysis Batch: 103943

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-29546-1	LLR01-BS12-0000-WS00	Total Recoverable	Water	6020	103469
240-29546-2	LLR01-BS13-0000-WS00	Total Recoverable	Water	6020	103469
240-29546-2 MS	LLR01-BS13-0000-WS00	Total Recoverable	Water	6020	103469
240-29546-2 MSD	LLR01-BS13-0000-WS00	Total Recoverable	Water	6020	103469
LCS 240-103469/2-A	Lab Control Sample	Total Recoverable	Water	6020	103469
MB 240-103469/1-A	Method Blank	Total Recoverable	Water	6020	103469

General Chemistry

Analysis Batch: 103538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-29546-1	LLR01-BS12-0000-WS00	Total/NA	Water	SM 2540C	
240-29546-2	LLR01-BS13-0000-WS00	Total/NA	Water	SM 2540C	
LCS 240-103538/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MB 240-103538/1	Method Blank	Total/NA	Water	SM 2540C	

Analysis Batch: 103616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-29546-1	LLR01-BS12-0000-WS00	Total/NA	Water	SM 2540D	
240-29546-2	LLR01-BS13-0000-WS00	Total/NA	Water	SM 2540D	
LCS 240-103616/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 240-103616/1	Method Blank	Total/NA	Water	SM 2540D	

Analysis Batch: 104098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-29546-1	LLR01-BS12-0000-WS00	Total/NA	Water	SM4500 NH3 -F	
240-29546-2	LLR01-BS13-0000-WS00	Total/NA	Water	SM4500 NH3 -F	
LCS 240-104098/8	Lab Control Sample	Total/NA	Water	SM4500 NH3 -F	
MB 240-104098/7	Method Blank	Total/NA	Water	SM4500 NH3 -F	

TestAmerica Canton

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden

TestAmerica Job ID: 240-29546-1

Client Sample ID: LLR01-BS12-0000-WS00

Lab Sample ID: 240-29546-1

Date Collected: 09/26/13 14:20

Matrix: Water

Date Received: 09/27/13 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	104372	10/07/13 03:38	LEE	TAL CAN
Total/NA	Prep	3520C			103781	10/02/13 08:36	LMM	TAL CAN
Total/NA	Analysis	8270C		1	104137	10/04/13 14:09	TMH	TAL CAN
Total/NA	Prep	3520C			103793	10/02/13 09:03	LMM	TAL CAN
Total/NA	Analysis	8082		1	104092	10/03/13 19:22	HMB	TAL CAN
Total/NA	Prep	7470A			103444	09/30/13 16:50	LPM	TAL CAN
Total/NA	Analysis	7470A		1	103667	10/01/13 18:19	AMM2	TAL CAN
Total Recoverable	Prep	3005A			103469	09/30/13 09:56	LPM	TAL CAN
Total Recoverable	Analysis	6020		1	103943	10/02/13 15:42	NJT	TAL CAN
Total/NA	Analysis	SM 2540C		1	103538	09/30/13 14:28	KMG	TAL CAN
Total/NA	Analysis	SM 2540D		1	103616	10/01/13 08:52	KMG	TAL CAN
Total/NA	Analysis	SM4500 NH3 -F		1	104098	10/03/13 15:37	JAK	TAL CAN

Client Sample ID: LLR01-BS13-0000-WS00

Lab Sample ID: 240-29546-2

Date Collected: 09/26/13 14:51

Matrix: Water

Date Received: 09/27/13 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	104372	10/07/13 04:00	LEE	TAL CAN
Total/NA	Prep	3520C			103781	10/02/13 08:36	LMM	TAL CAN
Total/NA	Analysis	8270C		1	104137	10/04/13 13:47	TMH	TAL CAN
Total/NA	Prep	3520C			103793	10/02/13 09:03	LMM	TAL CAN
Total/NA	Analysis	8082		1	104092	10/03/13 19:36	HMB	TAL CAN
Total/NA	Prep	7470A			103444	09/30/13 16:50	LPM	TAL CAN
Total/NA	Analysis	7470A		1	103667	10/01/13 18:24	AMM2	TAL CAN
Total Recoverable	Prep	3005A			103469	09/30/13 09:56	LPM	TAL CAN
Total Recoverable	Analysis	6020		1	103943	10/02/13 13:50	NJT	TAL CAN
Total/NA	Analysis	SM 2540C		1	103538	09/30/13 14:28	KMG	TAL CAN
Total/NA	Analysis	SM 2540D		1	103616	10/01/13 08:52	KMG	TAL CAN
Total/NA	Analysis	SM4500 NH3 -F		1	104098	10/03/13 15:37	JAK	TAL CAN

Laboratory References:

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

TestAmerica Canton

Certification Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden

TestAmerica Job ID: 240-29546-1

Laboratory: TestAmerica Canton

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


Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAP	9	01144CA	06-30-14
Connecticut	State Program	1	PH-0590	12-31-13
Florida	NELAP	4	E87225	06-30-14
Georgia	State Program	4	N/A	06-30-14
Illinois	NELAP	5	200004	07-31-14 *
Kansas	NELAP	7	E-10336	01-31-14
Kentucky	State Program	4	58	06-30-14
L-A-B	DoD ELAP		L2315	07-18-16
Nevada	State Program	9	OH-000482008A	07-31-14
New Jersey	NELAP	2	OH001	06-30-14
New York	NELAP	2	10975	04-01-14
Ohio VAP	State Program	5	CL0024	01-19-14
Pennsylvania	NELAP	3	68-00340	08-31-14 *
Texas	NELAP	6		08-31-14 *
USDA	Federal		P330-11-00328	08-26-14
Virginia	NELAP	3	460175	09-14-14
Washington	State Program	10	C971	01-12-14
Wisconsin	State Program	5	999518190	08-31-14

* Expired certification is currently pending renewal and is considered valid.

TestAmerica Canton

2000

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact					
Company Name: Honeywell / AMEC Address: 40850 Magellan Dr Ste 190 City/State/Zip: Novi, MI 48377 Phone: Fax: Project Name: Honeywell Lake Linden Site: PO #					
Project Manager:		Analysis Turnaround Time		COC No.	
Tel/Fax:	CALENDAR DAYS	WORKING DAYS		Date:	Carrier:
TAT if different from Below					
<input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day					
Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	
9/26/13	1420	G	Water	12	
9/26/13	1451	S	Water	14	
Sample Identification					Sample Specific Notes:
LLRGI-B512-0000-W500					Missed IL Plastic
LLROI-B513-0000-W500					
					
240-29546 Chain of Custody					
Preservation Used: 1=Ce, 2=HCl, 3=H2SO4, 4=HNO3, 5=NaOH, 6=Other					
Possible Hazard Identification: Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.					
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown					
Special Instructions/QC Requirements & Comments:					
Custody Seals Intact:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Custody Seal No.:	Cooler Temp. (°C):	Obs'd:	Corr'd:
Relinquished by:		Company:	Received by:		Company:
Relinquished by:		Company:	Received by:		Company:
Relinquished by:		Company:	Received by:		Company:

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14

[illegible]

Temperature readings: _____

<u>Client Sample ID</u>	<u>Lab ID</u>	<u>Container Type</u>	<u>Container</u> <u>pH</u>	<u>Preservative</u> <u>Added (mls)</u>	<u>Lot #</u>
LLR01-BS12-0000-WS00	240-29546-H-1	Plastic 500ml - with Sulfuric Acid	<2	_____	_____
LLR01-BS12-0000-WS00	240-29546-I-1	Plastic 500ml - with Nitric Acid	<2	_____	_____
LLR01-BS12-0000-WS00	240-29546-J-1	Plastic 500ml - with Nitric Acid	<2	_____	_____
LLR01-BS13-0000-WS00	240-29546-H-2	Plastic 500ml - with Sulfuric Acid	<2	_____	_____
LLR01-BS13-0000-WS00	240-29546-I-2	Plastic 500ml - with Nitric Acid	<2	_____	_____
LLR01-BS13-0000-WS00	240-29546-J-2	Plastic 500ml - with Nitric Acid	<2	_____	_____

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Canton

4101 Shuffel Street NW

North Canton, OH 44720

Tel: (330)497-9396

TestAmerica Job ID: 240-13643-1

Client Project/Site: Lake Linden

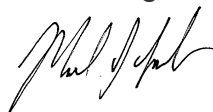
For:

AMEC Environment & Infrastructure, Inc.

46850 Magellan Drive, Suite 190

Novi, Michigan 48377

Attn: Doug Saigh



Authorized for release by:

8/13/2012 3:40:53 PM

Mark Loeb

Project Manager II

mark.loeb@testamericainc.com

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results through

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

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

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Method Summary	7
Sample Summary	8
Detection Summary	9
Client Sample Results	17
QC Sample Results	63
QC Association Summary	67
Lab Chronicle	72
Certification Summary	83
Chain of Custody	84
Receipt Checklists	92



Definitions/Glossary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
F	MS or MSD exceeds the control limits
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
F	RPD of the MS and MSD exceeds the control limits
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Job ID: 240-13643-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: AMEC Environment & Infrastructure, Inc.

Project: Lake Linden

Report Number: 240-13643-1

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

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

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

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

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

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

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

RECEIPT

The samples were received on 07/28/2012; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 2.3, 2.8 and 3.3 C.

TOTAL METALS (ICP)

Samples LLI01-58SE-0006-SSXX (240-13643-1), LLI01-58SE-0602-SSXX (240-13643-2), LLI01-58SE-0205-SSXX (240-13643-3), LLI01-58SW-0006-SSXX (240-13643-5), LLI01-58SW-0602-SSXX (240-13643-6), LLI01-58SW-0205-SSXX (240-13643-7), LLI01-49NE-0006-SSXX (240-13643-9), LLI01-49NE-0605-SSXX (240-13643-10), LLI01-49NE-0205-SSXX (240-13643-11), LLI01-49NW-0006-SSXX (240-13643-12), LLI01-49NW-0602-SSXX (240-13643-13), LLI01-49NW-0205-SSXX (240-13643-14), LLI01-49SW-0006-SSXX (240-13643-15), LLI01-49SW-0602-SSXX (240-13643-16), LLI01-49SW-0205-SSXX (240-13643-17), LLI01-48SE-0006-SSXX (240-13643-20), LLI01-48SE-0602-SSXX (240-13643-21), LLI01-48SE-0205-SSXX (240-13643-22), LLI01-48SW-0006-SSXX (240-13643-23), LLI01-48SW-0602-SSXX (240-13643-24), LLI01-48SW-0205-SSXX (240-13643-25), LLI01-40NE-0006-SSXX (240-13643-28), LLI01-40NE-0602-SSXX (240-13643-29), LLI01-40NE-0205-SSXX (240-13643-30), LLI01-40NW-0006-SSXX (240-13643-31), LLI01-40NW-0602-SSXX (240-13643-32), LLI01-40NW-0205-SSXX (240-13643-33), LLI01-40SW-0006-SSXX (240-13643-34), LLI01-40SW-0602-SSXX (240-13643-35), LLI01-40SW-0205-SSXX (240-13643-36), LLI01-39SW-0006-SSXX (240-13643-39), LLI01-39SW-0602-SSXX (240-13643-40), LLI01-39SW-0205-SSXX (240-13643-41), LLI01-39NW-0006-SSXX (240-13643-42), LLI01-39NW-0205-SSXX (240-13643-43), LLI01-39NW-0602-SSXX (240-13643-44), LLI01-39NE-0006-SSXX (240-13643-45), LLI01-39NE-0205-SSXX (240-13643-46), LLI01-39NE-0602-SSXX (240-13643-47), LLI01-39SE-0006-SSXX (240-13643-48), LLI01-39SE-0205-SSXX (240-13643-49), LLI01-39SE-0602-SSXX (240-13643-50),

Case Narrative

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Job ID: 240-13643-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

LLI01-DUP01-XXXX-SSFD (240-13643-53), LLI01-DUP02-XXXX-SSFD (240-13643-54), LLI01-DUP03-XXXX-SSFD (240-13643-55) and LLI01-DUP04-XXXX-SSFD (240-13643-56) were analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 08/01/2012 and 08/02/2012 and analyzed on 08/06/2012 and 08/07/2012.

Antimony was detected in method blank MB 240-52958/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

Copper failed the recovery criteria high for the MS and MSD of sample LLI01-48SW-0602-SSXX (240-13643-24) in batch 240-53436. Copper exceeded the rpd limit.

Antimony and Copper failed the recovery criteria low for the MS and MSD of sample LLI01-39NE-0602-SSXXMS (240-13643-47) in batch 240-53461. Iron failed the recovery criteria high for the MS and MSD. Lead failed the recovery criteria high for the MSD. Also, Antimony and Iron exceeded the rpd limit.

Samples LLI01-58SE-0602-SSXX (240-13643-2)[5X], LLI01-58SE-0205-SSXX (240-13643-3)[10X], LLI01-58SW-0602-SSXX (240-13643-6)[5X], LLI01-58SW-0205-SSXX (240-13643-7)[5X], LLI01-49NE-0605-SSXX (240-13643-10)[5X], LLI01-49NE-0205-SSXX (240-13643-11)[5X], LLI01-49NW-0602-SSXX (240-13643-13)[5X], LLI01-49NW-0205-SSXX (240-13643-14)[10X], LLI01-49SW-0602-SSXX (240-13643-16)[10X], LLI01-49SW-0205-SSXX (240-13643-17)[5X], LLI01-48SE-0602-SSXX (240-13643-21)[5X], LLI01-48SE-0205-SSXX (240-13643-22)[5X], LLI01-48SW-0006-SSXX (240-13643-23)[5X], LLI01-48SW-0602-SSXX (240-13643-24)[10X], LLI01-40NE-0602-SSXX (240-13643-29)[10X], LLI01-40NE-0205-SSXX (240-13643-30)[10X], LLI01-40NW-0006-SSXX (240-13643-31)[10X], LLI01-40NW-0602-SSXX (240-13643-32)[10X], LLI01-40NW-0205-SSXX (240-13643-33)[10X], LLI01-40SW-0205-SSXX (240-13643-36)[10X], LLI01-39SW-0006-SSXX (240-13643-39)[10X], LLI01-39SW-0602-SSXX (240-13643-40)[5X], LLI01-39NW-0006-SSXX (240-13643-42)[5X], LLI01-39NW-0205-SSXX (240-13643-43)[5X], LLI01-39NW-0602-SSXX (240-13643-44)[5X], LLI01-39NE-0006-SSXX (240-13643-45)[10X], LLI01-39NE-0205-SSXX (240-13643-46)[5X], LLI01-39NE-0602-SSXX (240-13643-47)[5X], LLI01-39SE-0006-SSXX (240-13643-48)[5X], LLI01-39SE-0205-SSXX (240-13643-49)[5X], LLI01-39SE-0602-SSXX (240-13643-50)[5X], LLI01-DUP01-XXXX-SSFD (240-13643-53)[5X], LLI01-DUP02-XXXX-SSFD (240-13643-54)[5X] and LLI01-DUP04-XXXX-SSFD (240-13643-56)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The following sample(s) was diluted due to the nature of the sample matrix: LLI01-40NE-0205-SSXX (240-13643-30), LLI01-40NW-0205-SSXX (240-13643-33), LLI01-40SW-0205-SSXX (240-13643-36). Elevated reporting limits (RLs) are provided.

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

TOTAL METALS (ICPMS)

Samples LLI01-58SE-0006-SSXX (240-13643-1), LLI01-58SE-0602-SSXX (240-13643-2), LLI01-58SE-0205-SSXX (240-13643-3), LLI01-58SW-0006-SSXX (240-13643-5), LLI01-58SW-0602-SSXX (240-13643-6), LLI01-58SW-0205-SSXX (240-13643-7), LLI01-49NE-0006-SSXX (240-13643-9), LLI01-49NE-0605-SSXX (240-13643-10), LLI01-49NE-0205-SSXX (240-13643-11), LLI01-49NW-0006-SSXX (240-13643-12), LLI01-49NW-0602-SSXX (240-13643-13), LLI01-49NW-0205-SSXX (240-13643-14), LLI01-49SW-0006-SSXX (240-13643-15), LLI01-49SW-0602-SSXX (240-13643-16), LLI01-49SW-0205-SSXX (240-13643-17), LLI01-48SE-0006-SSXX (240-13643-20), LLI01-48SE-0602-SSXX (240-13643-21), LLI01-48SE-0205-SSXX (240-13643-22), LLI01-48SW-0006-SSXX (240-13643-23), LLI01-48SW-0602-SSXX (240-13643-24), LLI01-48SW-0205-SSXX (240-13643-25), LLI01-40NE-0006-SSXX (240-13643-28), LLI01-40NE-0602-SSXX (240-13643-29), LLI01-40NE-0205-SSXX (240-13643-30), LLI01-40NW-0006-SSXX (240-13643-31), LLI01-40NW-0602-SSXX (240-13643-32), LLI01-40NW-0205-SSXX (240-13643-33), LLI01-40SW-0006-SSXX (240-13643-34), LLI01-40SW-0602-SSXX (240-13643-35), LLI01-40SW-0205-SSXX (240-13643-36), LLI01-39SW-0006-SSXX (240-13643-39), LLI01-39SW-0602-SSXX (240-13643-40), LLI01-39SW-0205-SSXX (240-13643-41), LLI01-39NW-0006-SSXX (240-13643-42), LLI01-39NW-0205-SSXX (240-13643-43), LLI01-39NW-0602-SSXX (240-13643-44) and LLI01-39NE-0006-SSXX (240-13643-45) were analyzed for total metals (ICPMS) in accordance with EPA SW-846 Method 6020. The samples were prepared on 08/01/2012 and analyzed on 08/02/2012 and 08/03/2012.

Iron was detected in method blanks MB 240-52853/1-A and MB 240-52861/1-A at levels exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

Lead was detected in method blank MB 240-52853/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or

Case Narrative

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Job ID: 240-13643-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

RL, the result has been "B" flagged.

Antimony failed the recovery criteria low for the MS/MSD of sample LLI01-48SW-0602-SSXX (240-13643-24) in batch 240-53086. Iron failed the recovery criteria high.

Antimony and Iron failed the recovery criteria low for the MS/MSD of sample LLI01-48SW-0205-SSXXMS/MSD(240-13643-25) in batch 240-53086.

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

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

PERCENT SOLIDS

Samples LLI01-58SE-0006-SSXX (240-13643-1), LLI01-58SE-0602-SSXX (240-13643-2), LLI01-58SE-0205-SSXX (240-13643-3), LLI01-58SW-0006-SSXX (240-13643-5), LLI01-58SW-0602-SSXX (240-13643-6), LLI01-58SW-0205-SSXX (240-13643-7), LLI01-49NE-0006-SSXX (240-13643-9), LLI01-49NE-0605-SSXX (240-13643-10), LLI01-49NE-0205-SSXX (240-13643-11), LLI01-49NW-0006-SSXX (240-13643-12), LLI01-49NW-0602-SSXX (240-13643-13), LLI01-49NW-0205-SSXX (240-13643-14), LLI01-49SW-0006-SSXX (240-13643-15), LLI01-49SW-0602-SSXX (240-13643-16), LLI01-49SW-0205-SSXX (240-13643-17), LLI01-48SE-0006-SSXX (240-13643-20), LLI01-48SE-0602-SSXX (240-13643-21), LLI01-48SE-0205-SSXX (240-13643-22), LLI01-48SW-0006-SSXX (240-13643-23), LLI01-48SW-0602-SSXX (240-13643-24), LLI01-48SW-0205-SSXX (240-13643-25), LLI01-40NE-0006-SSXX (240-13643-28), LLI01-40NE-0602-SSXX (240-13643-29), LLI01-40NE-0205-SSXX (240-13643-30), LLI01-40NW-0006-SSXX (240-13643-31), LLI01-40NW-0602-SSXX (240-13643-32), LLI01-40NW-0205-SSXX (240-13643-33), LLI01-40SW-0006-SSXX (240-13643-34), LLI01-40SW-0602-SSXX (240-13643-35), LLI01-40SW-0205-SSXX (240-13643-36), LLI01-39SW-0006-SSXX (240-13643-39), LLI01-39SW-0602-SSXX (240-13643-40), LLI01-39SW-0205-SSXX (240-13643-41), LLI01-39NW-0006-SSXX (240-13643-42), LLI01-39NW-0205-SSXX (240-13643-43), LLI01-39NW-0602-SSXX (240-13643-44), LLI01-39NE-0006-SSXX (240-13643-45), LLI01-39NE-0205-SSXX (240-13643-46), LLI01-39NE-0602-SSXX (240-13643-47), LLI01-39SE-0006-SSXX (240-13643-48), LLI01-39SE-0205-SSXX (240-13643-49), LLI01-39SE-0602-SSXX (240-13643-50), LLI01-DUP01-XXXX-SSFD (240-13643-53), LLI01-DUP02-XXXX-SSFD (240-13643-54), LLI01-DUP03-XXXX-SSFD (240-13643-55) and LLI01-DUP04-XXXX-SSFD (240-13643-56) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 07/31/2012.

Percent Moisture exceeded the rpd limit for the duplicate of sample LLI01-48SW-0602-SSXXDU (240-13643-24). Refer to the QC report for details.

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

Method Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

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

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Sample Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-13643-1	LLI01-58SE-0006-SSXX	Solid	07/25/12 11:55	07/28/12 09:30
240-13643-2	LLI01-58SE-0602-SSXX	Solid	07/25/12 11:58	07/28/12 09:30
240-13643-3	LLI01-58SE-0205-SSXX	Solid	07/25/12 12:03	07/28/12 09:30
240-13643-5	LLI01-58SW-0006-SSXX	Solid	07/25/12 12:08	07/28/12 09:30
240-13643-6	LLI01-58SW-0602-SSXX	Solid	07/25/12 12:10	07/28/12 09:30
240-13643-7	LLI01-58SW-0205-SSXX	Solid	07/25/12 12:12	07/28/12 09:30
240-13643-9	LLI01-49NE-0006-SSXX	Solid	07/25/12 12:48	07/28/12 09:30
240-13643-10	LLI01-49NE-0605-SSXX	Solid	07/25/12 12:50	07/28/12 09:30
240-13643-11	LLI01-49NE-0205-SSXX	Solid	07/25/12 12:52	07/28/12 09:30
240-13643-12	LLI01-49NW-0006-SSXX	Solid	07/25/12 13:01	07/28/12 09:30
240-13643-13	LLI01-49NW-0602-SSXX	Solid	07/25/12 13:04	07/28/12 09:30
240-13643-14	LLI01-49NW-0205-SSXX	Solid	07/25/12 13:05	07/28/12 09:30
240-13643-15	LLI01-49SW-0006-SSXX	Solid	07/25/12 13:10	07/28/12 09:30
240-13643-16	LLI01-49SW-0602-SSXX	Solid	07/25/12 13:12	07/28/12 09:30
240-13643-17	LLI01-49SW-0205-SSXX	Solid	07/25/12 13:13	07/28/12 09:30
240-13643-20	LLI01-48SE-0006-SSXX	Solid	07/25/12 13:42	07/28/12 09:30
240-13643-21	LLI01-48SE-0602-SSXX	Solid	07/25/12 13:44	07/28/12 09:30
240-13643-22	LLI01-48SE-0205-SSXX	Solid	07/25/12 13:46	07/28/12 09:30
240-13643-23	LLI01-48SW-0006-SSXX	Solid	07/25/12 13:56	07/28/12 09:30
240-13643-24	LLI01-48SW-0602-SSXX	Solid	07/25/12 13:58	07/28/12 09:30
240-13643-25	LLI01-48SW-0205-SSXX	Solid	07/25/12 14:03	07/28/12 09:30
240-13643-28	LLI01-40NE-0006-SSXX	Solid	07/25/12 15:14	07/28/12 09:30
240-13643-29	LLI01-40NE-0602-SSXX	Solid	07/25/12 15:16	07/28/12 09:30
240-13643-30	LLI01-40NE-0205-SSXX	Solid	07/25/12 15:20	07/28/12 09:30
240-13643-31	LLI01-40NW-0006-SSXX	Solid	07/25/12 15:28	07/28/12 09:30
240-13643-32	LLI01-40NW-0602-SSXX	Solid	07/25/12 15:30	07/28/12 09:30
240-13643-33	LLI01-40NW-0205-SSXX	Solid	07/25/12 15:31	07/28/12 09:30
240-13643-34	LLI01-40SW-0006-SSXX	Solid	07/25/12 15:35	07/28/12 09:30
240-13643-35	LLI01-40SW-0602-SSXX	Solid	07/25/12 15:37	07/28/12 09:30
240-13643-36	LLI01-40SW-0205-SSXX	Solid	07/25/12 15:38	07/28/12 09:30
240-13643-39	LLI01-39SW-0006-SSXX	Solid	07/25/12 16:08	07/28/12 09:30
240-13643-40	LLI01-39SW-0602-SSXX	Solid	07/25/12 16:12	07/28/12 09:30
240-13643-41	LLI01-39SW-0205-SSXX	Solid	07/25/12 16:14	07/28/12 09:30
240-13643-42	LLI01-39NW-0006-SSXX	Solid	07/25/12 16:20	07/28/12 09:30
240-13643-43	LLI01-39NW-0205-SSXX	Solid	07/25/12 16:21	07/28/12 09:30
240-13643-44	LLI01-39NW-0602-SSXX	Solid	07/25/12 16:22	07/28/12 09:30
240-13643-45	LLI01-39NE-0006-SSXX	Solid	07/25/12 16:28	07/28/12 09:30
240-13643-46	LLI01-39NE-0205-SSXX	Solid	07/25/12 16:30	07/28/12 09:30
240-13643-47	LLI01-39NE-0602-SSXX	Solid	07/25/12 16:31	07/28/12 09:30
240-13643-48	LLI01-39SE-0006-SSXX	Solid	07/25/12 16:35	07/28/12 09:30
240-13643-49	LLI01-39SE-0205-SSXX	Solid	07/25/12 16:39	07/28/12 09:30
240-13643-50	LLI01-39SE-0602-SSXX	Solid	07/25/12 16:40	07/28/12 09:30
240-13643-53	LLI01-DUP01-XXXX-SSFD	Solid	07/25/12 00:00	07/28/12 09:30
240-13643-54	LLI01-DUP02-XXXX-SSFD	Solid	07/25/12 00:00	07/28/12 09:30
240-13643-55	LLI01-DUP03-XXXX-SSFD	Solid	07/25/12 00:00	07/28/12 09:30
240-13643-56	LLI01-DUP04-XXXX-SSFD	Solid	07/25/12 00:00	07/28/12 09:30

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-58SE-0006-SSXX

Lab Sample ID: 240-13643-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	11000		2800	820	ug/Kg	1	☼	6010B	Total/NA
Antimony	62	J	220	27	ug/Kg	1	☼	6020	Total/NA
Arsenic	1100		110	69	ug/Kg	1	☼	6020	Total/NA
Iron	4900000	B	4400	1100	ug/Kg	1	☼	6020	Total/NA
Lead	1600	B	110	14	ug/Kg	1	☼	6020	Total/NA

Client Sample ID: LLI01-58SE-0602-SSXX

Lab Sample ID: 240-13643-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	2000000		14000	4200	ug/Kg	5	☼	6010B	Total/NA
Antimony	270		230	27	ug/Kg	1	☼	6020	Total/NA
Arsenic	4900		110	71	ug/Kg	1	☼	6020	Total/NA
Iron	10000000	B	4600	1100	ug/Kg	1	☼	6020	Total/NA
Lead	55000	B	110	15	ug/Kg	1	☼	6020	Total/NA

Client Sample ID: LLI01-58SE-0205-SSXX

Lab Sample ID: 240-13643-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	3500000		21000	6100	ug/Kg	10	☼	6010B	Total/NA
Antimony	57	J	160	20	ug/Kg	1	☼	6020	Total/NA
Arsenic	1400		82	51	ug/Kg	1	☼	6020	Total/NA
Iron	7300000	B	3300	820	ug/Kg	1	☼	6020	Total/NA
Lead	6000	B	82	11	ug/Kg	1	☼	6020	Total/NA

Client Sample ID: LLI01-58SW-0006-SSXX

Lab Sample ID: 240-13643-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	9100		2500	730	ug/Kg	1	☼	6010B	Total/NA
Antimony	64	J	200	24	ug/Kg	1	☼	6020	Total/NA
Arsenic	1200		99	61	ug/Kg	1	☼	6020	Total/NA
Iron	5600000	B	3900	990	ug/Kg	1	☼	6020	Total/NA
Lead	1700	B	99	13	ug/Kg	1	☼	6020	Total/NA

Client Sample ID: LLI01-58SW-0602-SSXX

Lab Sample ID: 240-13643-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	2400000		12000	3700	ug/Kg	5	☼	6010B	Total/NA
Antimony	130	J	200	24	ug/Kg	1	☼	6020	Total/NA
Arsenic	2900		99	61	ug/Kg	1	☼	6020	Total/NA
Iron	6900000	B	3900	990	ug/Kg	1	☼	6020	Total/NA
Lead	92000	B	99	13	ug/Kg	1	☼	6020	Total/NA

Client Sample ID: LLI01-58SW-0205-SSXX

Lab Sample ID: 240-13643-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	1600000		15000	4300	ug/Kg	5	☼	6010B	Total/NA
Antimony	58	J	230	28	ug/Kg	1	☼	6020	Total/NA
Arsenic	2000		120	73	ug/Kg	1	☼	6020	Total/NA
Iron	6300000	B	4700	1200	ug/Kg	1	☼	6020	Total/NA
Lead	8200	B	120	15	ug/Kg	1	☼	6020	Total/NA

Client Sample ID: LLI01-49NE-0006-SSXX

Lab Sample ID: 240-13643-9

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-49NE-0006-SSXX (Continued)

Lab Sample ID: 240-13643-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	11000		2400	700	ug/Kg	1	☼	6010B	Total/NA
Antimony	81	J	190	23	ug/Kg	1	☼	6020	Total/NA
Arsenic	1300		94	58	ug/Kg	1	☼	6020	Total/NA
Iron	7500000	B	3800	940	ug/Kg	1	☼	6020	Total/NA
Lead	2000	B	94	12	ug/Kg	1	☼	6020	Total/NA

Client Sample ID: LLI01-49NE-0605-SSXX

Lab Sample ID: 240-13643-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	2700000		12000	3700	ug/Kg	5	☼	6010B	Total/NA
Antimony	460		200	24	ug/Kg	1	☼	6020	Total/NA
Arsenic	8600		100	62	ug/Kg	1	☼	6020	Total/NA
Iron	17000000	B	4000	1000	ug/Kg	1	☼	6020	Total/NA
Lead	51000	B	100	13	ug/Kg	1	☼	6020	Total/NA

Client Sample ID: LLI01-49NE-0205-SSXX

Lab Sample ID: 240-13643-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	6200000		12000	3600	ug/Kg	5	☼	6010B	Total/NA
Antimony	1800		190	23	ug/Kg	1	☼	6020	Total/NA
Arsenic	3500		97	60	ug/Kg	1	☼	6020	Total/NA
Iron	20000000	B	3900	970	ug/Kg	1	☼	6020	Total/NA
Lead	71000	B	97	13	ug/Kg	1	☼	6020	Total/NA

Client Sample ID: LLI01-49NW-0006-SSXX

Lab Sample ID: 240-13643-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	880000		2400	720	ug/Kg	1	☼	6010B	Total/NA
Antimony	460		200	23	ug/Kg	1	☼	6020	Total/NA
Arsenic	8300		98	61	ug/Kg	1	☼	6020	Total/NA
Iron	11000000	B	3900	980	ug/Kg	1	☼	6020	Total/NA
Lead	130000	B	98	13	ug/Kg	1	☼	6020	Total/NA

Client Sample ID: LLI01-49NW-0602-SSXX

Lab Sample ID: 240-13643-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	2700000		11000	3200	ug/Kg	5	☼	6010B	Total/NA
Antimony	240		170	21	ug/Kg	1	☼	6020	Total/NA
Arsenic	5200		87	54	ug/Kg	1	☼	6020	Total/NA
Iron	12000000	B	3500	870	ug/Kg	1	☼	6020	Total/NA
Lead	45000	B	87	11	ug/Kg	1	☼	6020	Total/NA

Client Sample ID: LLI01-49NW-0205-SSXX

Lab Sample ID: 240-13643-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	7500000		24000	7000	ug/Kg	10	☼	6010B	Total/NA
Antimony	87	J	190	23	ug/Kg	1	☼	6020	Total/NA
Arsenic	2300		94	59	ug/Kg	1	☼	6020	Total/NA
Iron	6000000	B	3800	940	ug/Kg	1	☼	6020	Total/NA
Lead	16000	B	94	12	ug/Kg	1	☼	6020	Total/NA

Client Sample ID: LLI01-49SW-0006-SSXX

Lab Sample ID: 240-13643-15

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-49SW-0006-SSXX (Continued)

Lab Sample ID: 240-13643-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	10000		2500	730	ug/Kg	1	✱	6010B	Total/NA
Lead	1800		300	190	ug/Kg	1	✱	6010B	Total/NA
Antimony	84	J	200	24	ug/Kg	1	✱	6020	Total/NA
Arsenic	1300		99	61	ug/Kg	1	✱	6020	Total/NA
Iron	6100000	B	4000	990	ug/Kg	1	✱	6020	Total/NA

Client Sample ID: LLI01-49SW-0602-SSXX

Lab Sample ID: 240-13643-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	9000000		25000	7300	ug/Kg	10	✱	6010B	Total/NA
Lead	23000		2900	1900	ug/Kg	10	✱	6010B	Total/NA
Antimony	240		200	24	ug/Kg	1	✱	6020	Total/NA
Arsenic	5600		98	61	ug/Kg	1	✱	6020	Total/NA
Iron	9400000	B	3900	980	ug/Kg	1	✱	6020	Total/NA

Client Sample ID: LLI01-49SW-0205-SSXX

Lab Sample ID: 240-13643-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	3900000		13000	3900	ug/Kg	5	✱	6010B	Total/NA
Lead	2400		1600	1000	ug/Kg	5	✱	6010B	Total/NA
Antimony	57	J	210	25	ug/Kg	1	✱	6020	Total/NA
Arsenic	1700		110	66	ug/Kg	1	✱	6020	Total/NA
Iron	5900000	B	4200	1100	ug/Kg	1	✱	6020	Total/NA

Client Sample ID: LLI01-48SE-0006-SSXX

Lab Sample ID: 240-13643-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	820000		2400	720	ug/Kg	1	✱	6010B	Total/NA
Lead	47000		290	190	ug/Kg	1	✱	6010B	Total/NA
Antimony	1600		200	23	ug/Kg	1	✱	6020	Total/NA
Arsenic	2200		98	61	ug/Kg	1	✱	6020	Total/NA
Iron	6800000	B	3900	980	ug/Kg	1	✱	6020	Total/NA

Client Sample ID: LLI01-48SE-0602-SSXX

Lab Sample ID: 240-13643-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	3100000		13000	3700	ug/Kg	5	✱	6010B	Total/NA
Lead	290000		1500	950	ug/Kg	5	✱	6010B	Total/NA
Antimony	2000		200	24	ug/Kg	1	✱	6020	Total/NA
Arsenic	10000		100	62	ug/Kg	1	✱	6020	Total/NA
Iron	15000000	B	4000	1000	ug/Kg	1	✱	6020	Total/NA

Client Sample ID: LLI01-48SE-0205-SSXX

Lab Sample ID: 240-13643-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	2600000		12000	3500	ug/Kg	5	✱	6010B	Total/NA
Lead	16000		1400	900	ug/Kg	5	✱	6010B	Total/NA
Antimony	160	J	190	23	ug/Kg	1	✱	6020	Total/NA
Arsenic	3200		94	58	ug/Kg	1	✱	6020	Total/NA
Iron	9800000	B	3800	940	ug/Kg	1	✱	6020	Total/NA

Client Sample ID: LLI01-48SW-0006-SSXX

Lab Sample ID: 240-13643-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
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Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-48SW-0006-SSXX (Continued)

Lab Sample ID: 240-13643-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	6500000		13000	3900	ug/Kg	5	✱	6010B	Total/NA
Lead	240000		1600	1000	ug/Kg	5	✱	6010B	Total/NA
Antimony	590		210	26	ug/Kg	1	✱	6020	Total/NA
Arsenic	8300		110	66	ug/Kg	1	✱	6020	Total/NA
Iron	12000000	B	4300	1100	ug/Kg	1	✱	6020	Total/NA

Client Sample ID: LLI01-48SW-0602-SSXX

Lab Sample ID: 240-13643-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	5400000		26000	7700	ug/Kg	10	✱	6010B	Total/NA
Antimony	27	J	210	25	ug/Kg	1	✱	6020	Total/NA
Arsenic	1800		100	64	ug/Kg	1	✱	6020	Total/NA
Iron	5600000	B	4100	1000	ug/Kg	1	✱	6020	Total/NA
Lead	1700	B	100	13	ug/Kg	1	✱	6020	Total/NA

Client Sample ID: LLI01-48SW-0205-SSXX

Lab Sample ID: 240-13643-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	12000		2800	840	ug/Kg	1	✱	6010B	Total/NA
Lead	960		340	220	ug/Kg	1	✱	6010B	Total/NA
Antimony	48	J	230	27	ug/Kg	1	✱	6020	Total/NA
Arsenic	500		110	71	ug/Kg	1	✱	6020	Total/NA
Iron	3700000	B	4600	1100	ug/Kg	1	✱	6020	Total/NA

Client Sample ID: LLI01-40NE-0006-SSXX

Lab Sample ID: 240-13643-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	8600		2300	690	ug/Kg	1	✱	6010B	Total/NA
Lead	1200		280	180	ug/Kg	1	✱	6010B	Total/NA
Antimony	64	J	190	22	ug/Kg	1	✱	6020	Total/NA
Arsenic	1000		93	57	ug/Kg	1	✱	6020	Total/NA
Iron	3900000	B	3700	930	ug/Kg	1	✱	6020	Total/NA

Client Sample ID: LLI01-40NE-0602-SSXX

Lab Sample ID: 240-13643-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	19000000		25000	7500	ug/Kg	10	✱	6010B	Total/NA
Lead	5500		3000	1900	ug/Kg	10	✱	6010B	Total/NA
Antimony	92	J	200	24	ug/Kg	1	✱	6020	Total/NA
Arsenic	3600		100	63	ug/Kg	1	✱	6020	Total/NA
Iron	11000000	B	4100	1000	ug/Kg	1	✱	6020	Total/NA

Client Sample ID: LLI01-40NE-0205-SSXX

Lab Sample ID: 240-13643-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	13000000		22000	6400	ug/Kg	10	✱	6010B	Total/NA
Antimony	27	J	170	21	ug/Kg	1	✱	6020	Total/NA
Arsenic	2200		86	54	ug/Kg	1	✱	6020	Total/NA
Iron	6600000	B	3500	860	ug/Kg	1	✱	6020	Total/NA

Client Sample ID: LLI01-40NW-0006-SSXX

Lab Sample ID: 240-13643-31

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-40NW-0006-SSXX (Continued)

Lab Sample ID: 240-13643-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	5700000		28000	8400	ug/Kg	10	✱	6010B	Total/NA
Lead	5100000		3400	2200	ug/Kg	10	✱	6010B	Total/NA
Antimony	30000		230	27	ug/Kg	1	✱	6020	Total/NA
Arsenic	17000		110	70	ug/Kg	1	✱	6020	Total/NA
Iron	15000000	B	4500	1100	ug/Kg	1	✱	6020	Total/NA

Client Sample ID: LLI01-40NW-0602-SSXX

Lab Sample ID: 240-13643-32

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	5200000		23000	6700	ug/Kg	10	✱	6010B	Total/NA
Lead	12000		2700	1700	ug/Kg	10	✱	6010B	Total/NA
Antimony	210		180	22	ug/Kg	1	✱	6020	Total/NA
Arsenic	4600		91	56	ug/Kg	1	✱	6020	Total/NA
Iron	9000000	B	3600	910	ug/Kg	1	✱	6020	Total/NA

Client Sample ID: LLI01-40NW-0205-SSXX

Lab Sample ID: 240-13643-33

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	13000000		23000	6800	ug/Kg	10	✱	6010B	Total/NA
Antimony	54	J	180	22	ug/Kg	1	✱	6020	Total/NA
Arsenic	2200		92	57	ug/Kg	1	✱	6020	Total/NA
Iron	8500000	B	3700	920	ug/Kg	1	✱	6020	Total/NA

Client Sample ID: LLI01-40SW-0006-SSXX

Lab Sample ID: 240-13643-34

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	10000		2500	740	ug/Kg	1	✱	6010B	Total/NA
Lead	1700		300	190	ug/Kg	1	✱	6010B	Total/NA
Antimony	85	J	200	24	ug/Kg	1	✱	6020	Total/NA
Arsenic	1100		100	62	ug/Kg	1	✱	6020	Total/NA
Iron	5800000	B	4000	1000	ug/Kg	1	✱	6020	Total/NA

Client Sample ID: LLI01-40SW-0602-SSXX

Lab Sample ID: 240-13643-35

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	460000		2300	690	ug/Kg	1	✱	6010B	Total/NA
Lead	15000		280	180	ug/Kg	1	✱	6010B	Total/NA
Antimony	110	J	190	22	ug/Kg	1	✱	6020	Total/NA
Arsenic	3500		93	58	ug/Kg	1	✱	6020	Total/NA
Iron	6200000	B	3700	930	ug/Kg	1	✱	6020	Total/NA

Client Sample ID: LLI01-40SW-0205-SSXX

Lab Sample ID: 240-13643-36

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	11000000		24000	7100	ug/Kg	10	✱	6010B	Total/NA
Antimony	35	J	190	23	ug/Kg	1	✱	6020	Total/NA
Arsenic	2400		96	59	ug/Kg	1	✱	6020	Total/NA
Iron	8400000	B	3800	960	ug/Kg	1	✱	6020	Total/NA

Client Sample ID: LLI01-39SW-0006-SSXX

Lab Sample ID: 240-13643-39

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	16000000		25000	7500	ug/Kg	10	✱	6010B	Total/NA

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-39SW-0006-SSXX (Continued)

Lab Sample ID: 240-13643-39

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	230000		3100	1900	ug/Kg	10	☼	6010B	Total/NA
Antimony	6600		200	24	ug/Kg	1	☼	6020	Total/NA
Arsenic	13000		100	63	ug/Kg	1	☼	6020	Total/NA
Iron	16000000	B	4100	1000	ug/Kg	1	☼	6020	Total/NA

Client Sample ID: LLI01-39SW-0602-SSXX

Lab Sample ID: 240-13643-40

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	1100000		14000	4100	ug/Kg	5	☼	6010B	Total/NA
Lead	240000		1700	1100	ug/Kg	5	☼	6010B	Total/NA
Antimony	550		220	27	ug/Kg	1	☼	6020	Total/NA
Arsenic	18000		110	69	ug/Kg	1	☼	6020	Total/NA
Iron	26000000	B	4500	1100	ug/Kg	1	☼	6020	Total/NA

Client Sample ID: LLI01-39SW-0205-SSXX

Lab Sample ID: 240-13643-41

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	280000		2700	790	ug/Kg	1	☼	6010B	Total/NA
Lead	29000		320	200	ug/Kg	1	☼	6010B	Total/NA
Antimony	710		210	26	ug/Kg	1	☼	6020	Total/NA
Arsenic	7100		110	66	ug/Kg	1	☼	6020	Total/NA
Iron	20000000	B	4300	1100	ug/Kg	1	☼	6020	Total/NA

Client Sample ID: LLI01-39NW-0006-SSXX

Lab Sample ID: 240-13643-42

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	2100000		14000	4100	ug/Kg	5	☼	6010B	Total/NA
Lead	56000		1600	1000	ug/Kg	5	☼	6010B	Total/NA
Antimony	180	J	220	26	ug/Kg	1	☼	6020	Total/NA
Arsenic	11000		110	68	ug/Kg	1	☼	6020	Total/NA
Iron	24000000	B	4400	1100	ug/Kg	1	☼	6020	Total/NA

Client Sample ID: LLI01-39NW-0205-SSXX

Lab Sample ID: 240-13643-43

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	5700000		14000	4100	ug/Kg	5	☼	6010B	Total/NA
Lead	8700		1700	1100	ug/Kg	5	☼	6010B	Total/NA
Antimony	140	J	220	27	ug/Kg	1	☼	6020	Total/NA
Arsenic	3700		110	69	ug/Kg	1	☼	6020	Total/NA
Iron	12000000	B	4400	1100	ug/Kg	1	☼	6020	Total/NA

Client Sample ID: LLI01-39NW-0602-SSXX

Lab Sample ID: 240-13643-44

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	3300000		13000	3900	ug/Kg	5	☼	6010B	Total/NA
Lead	52000		1600	1000	ug/Kg	5	☼	6010B	Total/NA
Antimony	98	J	210	25	ug/Kg	1	☼	6020	Total/NA
Arsenic	4000		110	66	ug/Kg	1	☼	6020	Total/NA
Iron	10000000	B	4200	1100	ug/Kg	1	☼	6020	Total/NA

Client Sample ID: LLI01-39NE-0006-SSXX

Lab Sample ID: 240-13643-45

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-39NE-0006-SSXX (Continued)

Lab Sample ID: 240-13643-45

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	9300000		25000	7400	ug/Kg	10	✱	6010B	Total/NA
Lead	240000		3000	1900	ug/Kg	10	✱	6010B	Total/NA
Antimony	970		200	24	ug/Kg	1	✱	6020	Total/NA
Arsenic	12000		99	62	ug/Kg	1	✱	6020	Total/NA
Iron	19000000	B	4000	990	ug/Kg	1	✱	6020	Total/NA

Client Sample ID: LLI01-39NE-0205-SSXX

Lab Sample ID: 240-13643-46

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	720	J B	1100	420	ug/Kg	1	✱	6010B	Total/NA
Arsenic	8100		1100	320	ug/Kg	1	✱	6010B	Total/NA
Copper	5900000		13000	4000	ug/Kg	5	✱	6010B	Total/NA
Iron	9000000		11000	5300	ug/Kg	1	✱	6010B	Total/NA
Lead	8800		1600	1000	ug/Kg	5	✱	6010B	Total/NA

Client Sample ID: LLI01-39NE-0602-SSXX

Lab Sample ID: 240-13643-47

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	910	J B	1100	440	ug/Kg	1	✱	6010B	Total/NA
Arsenic	12000		1100	340	ug/Kg	1	✱	6010B	Total/NA
Copper	6600000		14000	4200	ug/Kg	5	✱	6010B	Total/NA
Iron	16000000		11000	5500	ug/Kg	1	✱	6010B	Total/NA
Lead	61000		1700	1100	ug/Kg	5	✱	6010B	Total/NA

Client Sample ID: LLI01-39SE-0006-SSXX

Lab Sample ID: 240-13643-48

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	1800	B	1100	420	ug/Kg	1	✱	6010B	Total/NA
Arsenic	6100		1100	320	ug/Kg	1	✱	6010B	Total/NA
Copper	4200000		2700	790	ug/Kg	1	✱	6010B	Total/NA
Iron	20000000		11000	5300	ug/Kg	1	✱	6010B	Total/NA
Lead	58000		1600	1000	ug/Kg	5	✱	6010B	Total/NA

Client Sample ID: LLI01-39SE-0205-SSXX

Lab Sample ID: 240-13643-49

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	1000	B	950	370	ug/Kg	1	✱	6010B	Total/NA
Arsenic	15000		950	290	ug/Kg	1	✱	6010B	Total/NA
Copper	1700000		2400	700	ug/Kg	1	✱	6010B	Total/NA
Iron	24000000		9500	4700	ug/Kg	1	✱	6010B	Total/NA
Lead	110000		1400	900	ug/Kg	5	✱	6010B	Total/NA

Client Sample ID: LLI01-39SE-0602-SSXX

Lab Sample ID: 240-13643-50

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	700	J B	980	380	ug/Kg	1	✱	6010B	Total/NA
Arsenic	5800		980	290	ug/Kg	1	✱	6010B	Total/NA
Copper	8900000		12000	3600	ug/Kg	5	✱	6010B	Total/NA
Iron	12000000		9800	4800	ug/Kg	1	✱	6010B	Total/NA
Lead	24000		1500	930	ug/Kg	5	✱	6010B	Total/NA

Client Sample ID: LLI01-DUP01-XXXX-SSFD

Lab Sample ID: 240-13643-53

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
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Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-DUP01-XXXX-SSFD (Continued)

Lab Sample ID: 240-13643-53

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Antimony	1200	B	1000	390	ug/Kg	1		✱	6010B	Total/NA
Arsenic	3600		1000	300	ug/Kg	1		✱	6010B	Total/NA
Copper	6600000		13000	3700	ug/Kg	5		✱	6010B	Total/NA
Iron	14000000		10000	4900	ug/Kg	1		✱	6010B	Total/NA
Lead	19000		1500	950	ug/Kg	5		✱	6010B	Total/NA

Client Sample ID: LLI01-DUP02-XXXX-SSFD

Lab Sample ID: 240-13643-54

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Antimony	1200	B	1000	400	ug/Kg	1		✱	6010B	Total/NA
Arsenic	7900		1000	310	ug/Kg	1		✱	6010B	Total/NA
Copper	8100000		13000	3800	ug/Kg	5		✱	6010B	Total/NA
Iron	13000000		10000	5100	ug/Kg	1		✱	6010B	Total/NA
Lead	120000		1600	990	ug/Kg	5		✱	6010B	Total/NA

Client Sample ID: LLI01-DUP03-XXXX-SSFD

Lab Sample ID: 240-13643-55

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Antimony	2100	B	1000	410	ug/Kg	1		✱	6010B	Total/NA
Arsenic	20000		1000	310	ug/Kg	1		✱	6010B	Total/NA
Copper	3300000		2600	770	ug/Kg	1		✱	6010B	Total/NA
Iron	24000000		10000	5100	ug/Kg	1		✱	6010B	Total/NA
Lead	140000		310	200	ug/Kg	1		✱	6010B	Total/NA

Client Sample ID: LLI01-DUP04-XXXX-SSFD

Lab Sample ID: 240-13643-56

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Antimony	1200	B	960	380	ug/Kg	1		✱	6010B	Total/NA
Arsenic	7700		960	290	ug/Kg	1		✱	6010B	Total/NA
Copper	3700000		2400	710	ug/Kg	1		✱	6010B	Total/NA
Iron	21000000		9600	4700	ug/Kg	1		✱	6010B	Total/NA
Lead	62000		1400	920	ug/Kg	5		✱	6010B	Total/NA

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-58SE-0006-SSXX

Lab Sample ID: 240-13643-1

Date Collected: 07/25/12 11:55

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 89.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	11000		2800	820	ug/Kg	☼	08/01/12 11:57	08/06/12 15:39	1

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	62	J	220	27	ug/Kg	☼	08/01/12 11:57	08/03/12 00:26	1
Arsenic	1100		110	69	ug/Kg	☼	08/01/12 11:57	08/03/12 00:26	1
Iron	4900000	B	4400	1100	ug/Kg	☼	08/01/12 11:57	08/03/12 00:26	1
Lead	1600	B	110	14	ug/Kg	☼	08/01/12 11:57	08/03/12 00:26	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-58SE-0602-SSXX

Lab Sample ID: 240-13643-2

Date Collected: 07/25/12 11:58

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 86.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	2000000		14000	4200	ug/Kg	☼	08/01/12 11:57	08/06/12 15:45	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	270		230	27	ug/Kg	☼	08/01/12 11:57	08/03/12 00:32	1
Arsenic	4900		110	71	ug/Kg	☼	08/01/12 11:57	08/03/12 00:32	1
Iron	10000000	B	4600	1100	ug/Kg	☼	08/01/12 11:57	08/03/12 00:32	1
Lead	55000	B	110	15	ug/Kg	☼	08/01/12 11:57	08/03/12 00:32	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-58SE-0205-SSXX

Lab Sample ID: 240-13643-3

Date Collected: 07/25/12 12:03

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 83.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	3500000		21000	6100	ug/Kg	☼	08/01/12 11:57	08/06/12 15:50	10

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	57	J	160	20	ug/Kg	☼	08/01/12 11:57	08/03/12 00:49	1
Arsenic	1400		82	51	ug/Kg	☼	08/01/12 11:57	08/03/12 00:49	1
Iron	7300000	B	3300	820	ug/Kg	☼	08/01/12 11:57	08/03/12 00:49	1
Lead	6000	B	82	11	ug/Kg	☼	08/01/12 11:57	08/03/12 00:49	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-58SW-0006-SSXX

Lab Sample ID: 240-13643-5

Date Collected: 07/25/12 12:08

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 93.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	9100		2500	730	ug/Kg	☼	08/01/12 11:57	08/06/12 15:56	1

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	64	J	200	24	ug/Kg	☼	08/01/12 11:57	08/03/12 00:54	1
Arsenic	1200		99	61	ug/Kg	☼	08/01/12 11:57	08/03/12 00:54	1
Iron	5600000	B	3900	990	ug/Kg	☼	08/01/12 11:57	08/03/12 00:54	1
Lead	1700	B	99	13	ug/Kg	☼	08/01/12 11:57	08/03/12 00:54	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-58SW-0602-SSXX

Lab Sample ID: 240-13643-6

Date Collected: 07/25/12 12:10

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 89.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	2400000		12000	3700	ug/Kg	☼	08/01/12 11:57	08/06/12 16:02	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	130	J	200	24	ug/Kg	☼	08/01/12 11:57	08/03/12 01:00	1
Arsenic	2900		99	61	ug/Kg	☼	08/01/12 11:57	08/03/12 01:00	1
Iron	6900000	B	3900	990	ug/Kg	☼	08/01/12 11:57	08/03/12 01:00	1
Lead	92000	B	99	13	ug/Kg	☼	08/01/12 11:57	08/03/12 01:00	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-58SW-0205-SSXX

Lab Sample ID: 240-13643-7

Date Collected: 07/25/12 12:12

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 84.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	1600000		15000	4300	ug/Kg	☼	08/01/12 11:57	08/06/12 16:07	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	58	J	230	28	ug/Kg	☼	08/01/12 11:57	08/03/12 01:05	1
Arsenic	2000		120	73	ug/Kg	☼	08/01/12 11:57	08/03/12 01:05	1
Iron	6300000	B	4700	1200	ug/Kg	☼	08/01/12 11:57	08/03/12 01:05	1
Lead	8200	B	120	15	ug/Kg	☼	08/01/12 11:57	08/03/12 01:05	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-49NE-0006-SSXX

Lab Sample ID: 240-13643-9

Date Collected: 07/25/12 12:48

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 89.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	11000		2400	700	ug/Kg	☼	08/01/12 11:57	08/06/12 16:25	1

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	81	J	190	23	ug/Kg	☼	08/01/12 11:57	08/03/12 01:11	1
Arsenic	1300		94	58	ug/Kg	☼	08/01/12 11:57	08/03/12 01:11	1
Iron	7500000	B	3800	940	ug/Kg	☼	08/01/12 11:57	08/03/12 01:11	1
Lead	2000	B	94	12	ug/Kg	☼	08/01/12 11:57	08/03/12 01:11	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-49NE-0605-SSXX

Lab Sample ID: 240-13643-10

Date Collected: 07/25/12 12:50

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 93.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	2700000		12000	3700	ug/Kg	☼	08/01/12 11:57	08/06/12 16:30	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	460		200	24	ug/Kg	☼	08/01/12 11:57	08/03/12 01:16	1
Arsenic	8600		100	62	ug/Kg	☼	08/01/12 11:57	08/03/12 01:16	1
Iron	17000000	B	4000	1000	ug/Kg	☼	08/01/12 11:57	08/03/12 01:16	1
Lead	51000	B	100	13	ug/Kg	☼	08/01/12 11:57	08/03/12 01:16	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-49NE-0205-SSXX

Lab Sample ID: 240-13643-11

Date Collected: 07/25/12 12:52

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 85.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	6200000		12000	3600	ug/Kg	☼	08/01/12 11:57	08/06/12 16:36	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1800		190	23	ug/Kg	☼	08/01/12 11:57	08/03/12 01:22	1
Arsenic	3500		97	60	ug/Kg	☼	08/01/12 11:57	08/03/12 01:22	1
Iron	20000000	B	3900	970	ug/Kg	☼	08/01/12 11:57	08/03/12 01:22	1
Lead	71000	B	97	13	ug/Kg	☼	08/01/12 11:57	08/03/12 01:22	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-49NW-0006-SSXX

Lab Sample ID: 240-13643-12

Date Collected: 07/25/12 13:01

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 87.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	880000		2400	720	ug/Kg	☼	08/01/12 11:57	08/06/12 16:41	1

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	460		200	23	ug/Kg	☼	08/01/12 11:57	08/03/12 01:28	1
Arsenic	8300		98	61	ug/Kg	☼	08/01/12 11:57	08/03/12 01:28	1
Iron	11000000	B	3900	980	ug/Kg	☼	08/01/12 11:57	08/03/12 01:28	1
Lead	130000	B	98	13	ug/Kg	☼	08/01/12 11:57	08/03/12 01:28	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-49NW-0602-SSXX

Lab Sample ID: 240-13643-13

Date Collected: 07/25/12 13:04

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 92.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	2700000		11000	3200	ug/Kg	☼	08/01/12 11:57	08/06/12 16:47	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	240		170	21	ug/Kg	☼	08/01/12 11:57	08/03/12 01:33	1
Arsenic	5200		87	54	ug/Kg	☼	08/01/12 11:57	08/03/12 01:33	1
Iron	12000000	B	3500	870	ug/Kg	☼	08/01/12 11:57	08/03/12 01:33	1
Lead	45000	B	87	11	ug/Kg	☼	08/01/12 11:57	08/03/12 01:33	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-49NW-0205-SSXX

Lab Sample ID: 240-13643-14

Date Collected: 07/25/12 13:05

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 92.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	7500000		24000	7000	ug/Kg	☼	08/01/12 11:57	08/06/12 16:53	10

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	87	J	190	23	ug/Kg	☼	08/01/12 11:57	08/03/12 01:39	1
Arsenic	2300		94	59	ug/Kg	☼	08/01/12 11:57	08/03/12 01:39	1
Iron	6000000	B	3800	940	ug/Kg	☼	08/01/12 11:57	08/03/12 01:39	1
Lead	16000	B	94	12	ug/Kg	☼	08/01/12 11:57	08/03/12 01:39	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-49SW-0006-SSXX

Lab Sample ID: 240-13643-15

Date Collected: 07/25/12 13:10

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 91.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	10000		2500	730	ug/Kg	☼	08/01/12 11:57	08/06/12 16:58	1
Lead	1800		300	190	ug/Kg	☼	08/01/12 11:57	08/06/12 16:58	1

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	84	J	200	24	ug/Kg	☼	08/01/12 11:57	08/03/12 01:55	1
Arsenic	1300		99	61	ug/Kg	☼	08/01/12 11:57	08/03/12 01:55	1
Iron	6100000	B	4000	990	ug/Kg	☼	08/01/12 11:57	08/03/12 01:55	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-49SW-0602-SSXX

Lab Sample ID: 240-13643-16

Date Collected: 07/25/12 13:12

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 95.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	9000000		25000	7300	ug/Kg	☼	08/01/12 11:57	08/06/12 17:04	10
Lead	23000		2900	1900	ug/Kg	☼	08/01/12 11:57	08/06/12 17:04	10

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	240		200	24	ug/Kg	☼	08/01/12 11:57	08/03/12 02:01	1
Arsenic	5600		98	61	ug/Kg	☼	08/01/12 11:57	08/03/12 02:01	1
Iron	9400000	B	3900	980	ug/Kg	☼	08/01/12 11:57	08/03/12 02:01	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-49SW-0205-SSXX

Lab Sample ID: 240-13643-17

Date Collected: 07/25/12 13:13

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 82.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	3900000		13000	3900	ug/Kg	☼	08/01/12 11:57	08/06/12 17:10	5
Lead	2400		1600	1000	ug/Kg	☼	08/01/12 11:57	08/06/12 17:10	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	57	J	210	25	ug/Kg	☼	08/01/12 11:57	08/03/12 02:07	1
Arsenic	1700		110	66	ug/Kg	☼	08/01/12 11:57	08/03/12 02:07	1
Iron	5900000	B	4200	1100	ug/Kg	☼	08/01/12 11:57	08/03/12 02:07	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-48SE-0006-SSXX

Lab Sample ID: 240-13643-20

Date Collected: 07/25/12 13:42

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 95.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	820000		2400	720	ug/Kg	☼	08/01/12 11:57	08/06/12 17:15	1
Lead	47000		290	190	ug/Kg	☼	08/01/12 11:57	08/06/12 17:15	1

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1600		200	23	ug/Kg	☼	08/01/12 11:57	08/03/12 02:12	1
Arsenic	2200		98	61	ug/Kg	☼	08/01/12 11:57	08/03/12 02:12	1
Iron	6800000	B	3900	980	ug/Kg	☼	08/01/12 11:57	08/03/12 02:12	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-48SE-0602-SSXX

Lab Sample ID: 240-13643-21

Date Collected: 07/25/12 13:44

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 89.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	3100000		13000	3700	ug/Kg	☼	08/01/12 11:57	08/06/12 17:32	5
Lead	290000		1500	950	ug/Kg	☼	08/01/12 11:57	08/06/12 17:32	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2000		200	24	ug/Kg	☼	08/01/12 11:57	08/03/12 02:18	1
Arsenic	10000		100	62	ug/Kg	☼	08/01/12 11:57	08/03/12 02:18	1
Iron	15000000	B	4000	1000	ug/Kg	☼	08/01/12 11:57	08/03/12 02:18	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-48SE-0205-SSXX

Lab Sample ID: 240-13643-22

Date Collected: 07/25/12 13:46

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 87.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	2600000		12000	3500	ug/Kg	☼	08/01/12 11:57	08/06/12 17:38	5
Lead	16000		1400	900	ug/Kg	☼	08/01/12 11:57	08/06/12 17:38	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	160	J	190	23	ug/Kg	☼	08/01/12 11:57	08/03/12 02:24	1
Arsenic	3200		94	58	ug/Kg	☼	08/01/12 11:57	08/03/12 02:24	1
Iron	9800000	B	3800	940	ug/Kg	☼	08/01/12 11:57	08/03/12 02:24	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-48SW-0006-SSXX

Lab Sample ID: 240-13643-23

Date Collected: 07/25/12 13:56

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 87.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	6500000		13000	3900	ug/Kg	☼	08/01/12 11:57	08/06/12 17:44	5
Lead	240000		1600	1000	ug/Kg	☼	08/01/12 11:57	08/06/12 17:44	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	590		210	26	ug/Kg	☼	08/01/12 11:57	08/03/12 02:29	1
Arsenic	8300		110	66	ug/Kg	☼	08/01/12 11:57	08/03/12 02:29	1
Iron	12000000	B	4300	1100	ug/Kg	☼	08/01/12 11:57	08/03/12 02:29	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-48SW-0602-SSXX

Lab Sample ID: 240-13643-24

Date Collected: 07/25/12 13:58

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 94.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	5400000		26000	7700	ug/Kg	☼	08/01/12 11:57	08/06/12 15:17	10

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	27	J	210	25	ug/Kg	☼	08/01/12 11:57	08/03/12 00:01	1
Arsenic	1800		100	64	ug/Kg	☼	08/01/12 11:57	08/03/12 00:01	1
Iron	5600000	B	4100	1000	ug/Kg	☼	08/01/12 11:57	08/03/12 00:01	1
Lead	1700	B	100	13	ug/Kg	☼	08/01/12 11:57	08/03/12 00:01	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-48SW-0205-SSXX

Lab Sample ID: 240-13643-25

Date Collected: 07/25/12 14:03

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 83.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	12000		2800	840	ug/Kg	☼	08/01/12 12:36	08/06/12 18:01	1
Lead	960		340	220	ug/Kg	☼	08/01/12 12:36	08/06/12 18:01	1

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	48	J	230	27	ug/Kg	☼	08/01/12 12:36	08/02/12 21:31	1
Arsenic	500		110	71	ug/Kg	☼	08/01/12 12:36	08/02/12 21:31	1
Iron	3700000	B	4600	1100	ug/Kg	☼	08/01/12 12:36	08/02/12 21:31	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-40NE-0006-SSXX

Lab Sample ID: 240-13643-28

Date Collected: 07/25/12 15:14

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 83.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	8600		2300	690	ug/Kg	☼	08/01/12 12:36	08/06/12 18:23	1
Lead	1200		280	180	ug/Kg	☼	08/01/12 12:36	08/06/12 18:23	1

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	64	J	190	22	ug/Kg	☼	08/01/12 12:36	08/02/12 21:57	1
Arsenic	1000		93	57	ug/Kg	☼	08/01/12 12:36	08/02/12 21:57	1
Iron	3900000	B	3700	930	ug/Kg	☼	08/01/12 12:36	08/02/12 21:57	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-40NE-0602-SSXX

Lab Sample ID: 240-13643-29

Date Collected: 07/25/12 15:16

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 92.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	19000000		25000	7500	ug/Kg	☼	08/01/12 12:36	08/06/12 18:41	10
Lead	5500		3000	1900	ug/Kg	☼	08/01/12 12:36	08/06/12 18:41	10

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	92	J	200	24	ug/Kg	☼	08/01/12 12:36	08/02/12 22:02	1
Arsenic	3600		100	63	ug/Kg	☼	08/01/12 12:36	08/02/12 22:02	1
Iron	11000000	B	4100	1000	ug/Kg	☼	08/01/12 12:36	08/02/12 22:02	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-40NE-0205-SSXX

Lab Sample ID: 240-13643-30

Date Collected: 07/25/12 15:20

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 89.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	13000000		22000	6400	ug/Kg	☼	08/01/12 12:36	08/06/12 18:46	10
Lead	2600	U	2600	1600	ug/Kg	☼	08/01/12 12:36	08/06/12 18:46	10

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	27	J	170	21	ug/Kg	☼	08/01/12 12:36	08/02/12 22:08	1
Arsenic	2200		86	54	ug/Kg	☼	08/01/12 12:36	08/02/12 22:08	1
Iron	6600000	B	3500	860	ug/Kg	☼	08/01/12 12:36	08/02/12 22:08	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-40NW-0006-SSXX

Lab Sample ID: 240-13643-31

Date Collected: 07/25/12 15:28

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 78.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	5700000		28000	8400	ug/Kg	☼	08/01/12 12:36	08/06/12 18:52	10
Lead	5100000		3400	2200	ug/Kg	☼	08/01/12 12:36	08/06/12 18:52	10

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	30000		230	27	ug/Kg	☼	08/01/12 12:36	08/02/12 22:14	1
Arsenic	17000		110	70	ug/Kg	☼	08/01/12 12:36	08/02/12 22:14	1
Iron	15000000	B	4500	1100	ug/Kg	☼	08/01/12 12:36	08/02/12 22:14	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-40NW-0602-SSXX

Lab Sample ID: 240-13643-32

Date Collected: 07/25/12 15:30

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 94.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	5200000		23000	6700	ug/Kg	☼	08/01/12 12:36	08/06/12 18:58	10
Lead	12000		2700	1700	ug/Kg	☼	08/01/12 12:36	08/06/12 18:58	10

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	210		180	22	ug/Kg	☼	08/01/12 12:36	08/02/12 22:31	1
Arsenic	4600		91	56	ug/Kg	☼	08/01/12 12:36	08/02/12 22:31	1
Iron	9000000	B	3600	910	ug/Kg	☼	08/01/12 12:36	08/02/12 22:31	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-40NW-0205-SSXX

Lab Sample ID: 240-13643-33

Date Collected: 07/25/12 15:31

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 92.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	13000000		23000	6800	ug/Kg	☼	08/01/12 12:36	08/06/12 19:03	10
Lead	2800	U	2800	1800	ug/Kg	☼	08/01/12 12:36	08/06/12 19:03	10

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	54	J	180	22	ug/Kg	☼	08/01/12 12:36	08/02/12 22:36	1
Arsenic	2200		92	57	ug/Kg	☼	08/01/12 12:36	08/02/12 22:36	1
Iron	8500000	B	3700	920	ug/Kg	☼	08/01/12 12:36	08/02/12 22:36	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-40SW-0006-SSXX

Lab Sample ID: 240-13643-34

Date Collected: 07/25/12 15:35

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 92.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	10000		2500	740	ug/Kg	☼	08/01/12 12:36	08/06/12 19:09	1
Lead	1700		300	190	ug/Kg	☼	08/01/12 12:36	08/06/12 19:09	1

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	85	J	200	24	ug/Kg	☼	08/01/12 12:36	08/02/12 22:42	1
Arsenic	1100		100	62	ug/Kg	☼	08/01/12 12:36	08/02/12 22:42	1
Iron	5800000	B	4000	1000	ug/Kg	☼	08/01/12 12:36	08/02/12 22:42	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-40SW-0602-SSXX

Lab Sample ID: 240-13643-35

Date Collected: 07/25/12 15:37

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 97.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	460000		2300	690	ug/Kg	☼	08/01/12 12:36	08/06/12 19:15	1
Lead	15000		280	180	ug/Kg	☼	08/01/12 12:36	08/06/12 19:15	1

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	110	J	190	22	ug/Kg	☼	08/01/12 12:36	08/02/12 22:47	1
Arsenic	3500		93	58	ug/Kg	☼	08/01/12 12:36	08/02/12 22:47	1
Iron	6200000	B	3700	930	ug/Kg	☼	08/01/12 12:36	08/02/12 22:47	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-40SW-0205-SSXX

Lab Sample ID: 240-13643-36

Date Collected: 07/25/12 15:38

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 88.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	11000000		24000	7100	ug/Kg	☼	08/01/12 12:36	08/06/12 19:20	10
Lead	2900	U	2900	1800	ug/Kg	☼	08/01/12 12:36	08/06/12 19:20	10

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	35	J	190	23	ug/Kg	☼	08/01/12 12:36	08/02/12 22:53	1
Arsenic	2400		96	59	ug/Kg	☼	08/01/12 12:36	08/02/12 22:53	1
Iron	8400000	B	3800	960	ug/Kg	☼	08/01/12 12:36	08/02/12 22:53	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-39SW-0006-SSXX

Lab Sample ID: 240-13643-39

Date Collected: 07/25/12 16:08

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 88.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	16000000		25000	7500	ug/Kg	☼	08/01/12 12:36	08/06/12 19:26	10
Lead	230000		3100	1900	ug/Kg	☼	08/01/12 12:36	08/06/12 19:26	10

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	6600		200	24	ug/Kg	☼	08/01/12 12:36	08/02/12 22:59	1
Arsenic	13000		100	63	ug/Kg	☼	08/01/12 12:36	08/02/12 22:59	1
Iron	16000000	B	4100	1000	ug/Kg	☼	08/01/12 12:36	08/02/12 22:59	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-39SW-0602-SSXX

Lab Sample ID: 240-13643-40

Date Collected: 07/25/12 16:12

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 89.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	1100000		14000	4100	ug/Kg	☼	08/01/12 12:36	08/06/12 19:32	5
Lead	240000		1700	1100	ug/Kg	☼	08/01/12 12:36	08/06/12 19:32	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	550		220	27	ug/Kg	☼	08/01/12 12:36	08/02/12 23:04	1
Arsenic	18000		110	69	ug/Kg	☼	08/01/12 12:36	08/02/12 23:04	1
Iron	26000000	B	4500	1100	ug/Kg	☼	08/01/12 12:36	08/02/12 23:04	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-39SW-0205-SSXX

Lab Sample ID: 240-13643-41

Date Collected: 07/25/12 16:14

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 84.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	280000		2700	790	ug/Kg	☼	08/01/12 12:36	08/06/12 19:49	1
Lead	29000		320	200	ug/Kg	☼	08/01/12 12:36	08/06/12 19:49	1

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	710		210	26	ug/Kg	☼	08/01/12 12:36	08/02/12 23:10	1
Arsenic	7100		110	66	ug/Kg	☼	08/01/12 12:36	08/02/12 23:10	1
Iron	20000000	B	4300	1100	ug/Kg	☼	08/01/12 12:36	08/02/12 23:10	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-39NW-0006-SSXX

Lab Sample ID: 240-13643-42

Date Collected: 07/25/12 16:20

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 86.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	2100000		14000	4100	ug/Kg	☼	08/01/12 12:36	08/06/12 19:54	5
Lead	56000		1600	1000	ug/Kg	☼	08/01/12 12:36	08/06/12 19:54	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	180	J	220	26	ug/Kg	☼	08/01/12 12:36	08/02/12 23:15	1
Arsenic	11000		110	68	ug/Kg	☼	08/01/12 12:36	08/02/12 23:15	1
Iron	24000000	B	4400	1100	ug/Kg	☼	08/01/12 12:36	08/02/12 23:15	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-39NW-0205-SSXX

Lab Sample ID: 240-13643-43

Date Collected: 07/25/12 16:21

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 66.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	5700000		14000	4100	ug/Kg	☼	08/01/12 12:36	08/06/12 20:00	5
Lead	8700		1700	1100	ug/Kg	☼	08/01/12 12:36	08/06/12 20:00	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	140	J	220	27	ug/Kg	☼	08/01/12 12:36	08/02/12 23:21	1
Arsenic	3700		110	69	ug/Kg	☼	08/01/12 12:36	08/02/12 23:21	1
Iron	12000000	B	4400	1100	ug/Kg	☼	08/01/12 12:36	08/02/12 23:21	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-39NW-0602-SSXX

Lab Sample ID: 240-13643-44

Date Collected: 07/25/12 16:22

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 88.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	3300000		13000	3900	ug/Kg	☼	08/01/12 12:36	08/06/12 20:06	5
Lead	52000		1600	1000	ug/Kg	☼	08/01/12 12:36	08/06/12 20:06	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	98	J	210	25	ug/Kg	☼	08/01/12 12:36	08/02/12 23:37	1
Arsenic	4000		110	66	ug/Kg	☼	08/01/12 12:36	08/02/12 23:37	1
Iron	10000000	B	4200	1100	ug/Kg	☼	08/01/12 12:36	08/02/12 23:37	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-39NE-0006-SSXX

Lab Sample ID: 240-13643-45

Date Collected: 07/25/12 16:28

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 89.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	9300000		25000	7400	ug/Kg	☼	08/01/12 12:36	08/06/12 20:11	10
Lead	240000		3000	1900	ug/Kg	☼	08/01/12 12:36	08/06/12 20:11	10

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	970		200	24	ug/Kg	☼	08/01/12 12:36	08/02/12 23:43	1
Arsenic	12000		99	62	ug/Kg	☼	08/01/12 12:36	08/02/12 23:43	1
Iron	19000000	B	4000	990	ug/Kg	☼	08/01/12 12:36	08/02/12 23:43	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-39NE-0205-SSXX

Lab Sample ID: 240-13643-46

Date Collected: 07/25/12 16:30

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 83.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	720	J B	1100	420	ug/Kg	☼	08/02/12 10:13	08/06/12 21:02	1
Arsenic	8100		1100	320	ug/Kg	☼	08/02/12 10:13	08/06/12 21:02	1
Copper	5900000		13000	4000	ug/Kg	☼	08/02/12 10:13	08/07/12 20:03	5
Iron	9000000		11000	5300	ug/Kg	☼	08/02/12 10:13	08/06/12 21:02	1
Lead	8800		1600	1000	ug/Kg	☼	08/02/12 10:13	08/07/12 20:03	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-39NE-0602-SSXX

Lab Sample ID: 240-13643-47

Date Collected: 07/25/12 16:31

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 89.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	910	J B	1100	440	ug/Kg	☼	08/02/12 10:13	08/06/12 20:28	1
Arsenic	12000		1100	340	ug/Kg	☼	08/02/12 10:13	08/06/12 20:28	1
Copper	6600000		14000	4200	ug/Kg	☼	08/02/12 10:13	08/07/12 19:29	5
Iron	16000000		11000	5500	ug/Kg	☼	08/02/12 10:13	08/06/12 20:28	1
Lead	61000		1700	1100	ug/Kg	☼	08/02/12 10:13	08/07/12 19:29	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-39SE-0006-SSXX

Lab Sample ID: 240-13643-48

Date Collected: 07/25/12 16:35

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 84.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1800	B	1100	420	ug/Kg	☼	08/02/12 10:13	08/06/12 21:08	1
Arsenic	6100		1100	320	ug/Kg	☼	08/02/12 10:13	08/06/12 21:08	1
Copper	4200000		2700	790	ug/Kg	☼	08/02/12 10:13	08/06/12 21:08	1
Iron	20000000		11000	5300	ug/Kg	☼	08/02/12 10:13	08/06/12 21:08	1
Lead	58000		1600	1000	ug/Kg	☼	08/02/12 10:13	08/07/12 20:09	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-39SE-0205-SSXX

Lab Sample ID: 240-13643-49

Date Collected: 07/25/12 16:39

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 90.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1000	B	950	370	ug/Kg	☼	08/02/12 10:13	08/06/12 21:14	1
Arsenic	15000		950	290	ug/Kg	☼	08/02/12 10:13	08/06/12 21:14	1
Copper	1700000		2400	700	ug/Kg	☼	08/02/12 10:13	08/06/12 21:14	1
Iron	24000000		9500	4700	ug/Kg	☼	08/02/12 10:13	08/06/12 21:14	1
Lead	110000		1400	900	ug/Kg	☼	08/02/12 10:13	08/07/12 20:15	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-39SE-0602-SSXX

Lab Sample ID: 240-13643-50

Date Collected: 07/25/12 16:40

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 94.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	700	J B	980	380	ug/Kg	☼	08/02/12 10:13	08/06/12 21:19	1
Arsenic	5800		980	290	ug/Kg	☼	08/02/12 10:13	08/06/12 21:19	1
Copper	8900000		12000	3600	ug/Kg	☼	08/02/12 10:13	08/07/12 20:20	5
Iron	12000000		9800	4800	ug/Kg	☼	08/02/12 10:13	08/06/12 21:19	1
Lead	24000		1500	930	ug/Kg	☼	08/02/12 10:13	08/07/12 20:20	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-DUP01-XXXX-SSFD

Lab Sample ID: 240-13643-53

Date Collected: 07/25/12 00:00

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 91.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1200	B	1000	390	ug/Kg	☼	08/02/12 10:13	08/06/12 21:25	1
Arsenic	3600		1000	300	ug/Kg	☼	08/02/12 10:13	08/06/12 21:25	1
Copper	6600000		13000	3700	ug/Kg	☼	08/02/12 10:13	08/07/12 20:26	5
Iron	14000000		10000	4900	ug/Kg	☼	08/02/12 10:13	08/06/12 21:25	1
Lead	19000		1500	950	ug/Kg	☼	08/02/12 10:13	08/07/12 20:26	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-DUP02-XXXX-SSFD

Lab Sample ID: 240-13643-54

Date Collected: 07/25/12 00:00

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 87.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1200	B	1000	400	ug/Kg	☼	08/02/12 10:13	08/06/12 21:31	1
Arsenic	7900		1000	310	ug/Kg	☼	08/02/12 10:13	08/06/12 21:31	1
Copper	8100000		13000	3800	ug/Kg	☼	08/02/12 10:13	08/07/12 20:32	5
Iron	13000000		10000	5100	ug/Kg	☼	08/02/12 10:13	08/06/12 21:31	1
Lead	120000		1600	990	ug/Kg	☼	08/02/12 10:13	08/07/12 20:32	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-DUP03-XXXX-SSFD

Lab Sample ID: 240-13643-55

Date Collected: 07/25/12 00:00

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 87.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2100	B	1000	410	ug/Kg	☼	08/02/12 10:13	08/06/12 21:36	1
Arsenic	20000		1000	310	ug/Kg	☼	08/02/12 10:13	08/06/12 21:36	1
Copper	3300000		2600	770	ug/Kg	☼	08/02/12 10:13	08/06/12 21:36	1
Iron	24000000		10000	5100	ug/Kg	☼	08/02/12 10:13	08/06/12 21:36	1
Lead	140000		310	200	ug/Kg	☼	08/02/12 10:13	08/06/12 21:36	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-DUP04-XXXX-SSFD

Lab Sample ID: 240-13643-56

Date Collected: 07/25/12 00:00

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 81.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1200	B	960	380	ug/Kg	☼	08/02/12 10:13	08/06/12 21:42	1
Arsenic	7700		960	290	ug/Kg	☼	08/02/12 10:13	08/06/12 21:42	1
Copper	3700000		2400	710	ug/Kg	☼	08/02/12 10:13	08/06/12 21:42	1
Iron	21000000		9600	4700	ug/Kg	☼	08/02/12 10:13	08/06/12 21:42	1
Lead	62000		1400	920	ug/Kg	☼	08/02/12 10:13	08/07/12 20:38	5

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 240-52853/1-A

Matrix: Solid

Analysis Batch: 53436

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 52853

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	2500	U	2500	740	ug/Kg		08/01/12 11:57	08/06/12 14:54	1
Lead	300	U	300	190	ug/Kg		08/01/12 11:57	08/06/12 14:54	1

Lab Sample ID: LCS 240-52853/2-A

Matrix: Solid

Analysis Batch: 53436

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 52853

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Copper	100000	95400		ug/Kg		95	80 - 120
Lead	100000	95100		ug/Kg		95	80 - 120

Lab Sample ID: 240-13643-24 MS

Matrix: Solid

Analysis Batch: 53436

Client Sample ID: LLI01-48SW-0602-SSXX

Prep Type: Total/NA

Prep Batch: 52853

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Copper	5400000		99600	6740000	4	ug/Kg	✱	1315	75 - 125

Lab Sample ID: 240-13643-24 MSD

Matrix: Solid

Analysis Batch: 53436

Client Sample ID: LLI01-48SW-0602-SSXX

Prep Type: Total/NA

Prep Batch: 52853

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Copper	5400000		99600	9030000	4 F	ug/Kg	✱	3619	75 - 125	29	20

Lab Sample ID: MB 240-52861/1-A

Matrix: Solid

Analysis Batch: 53436

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 52861

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	2500	U	2500	740	ug/Kg		08/01/12 12:36	08/06/12 17:49	1
Lead	300	U	300	190	ug/Kg		08/01/12 12:36	08/06/12 17:49	1

Lab Sample ID: LCS 240-52861/2-A

Matrix: Solid

Analysis Batch: 53436

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 52861

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Copper	100000	93200		ug/Kg		93	80 - 120
Lead	100000	93300		ug/Kg		93	80 - 120

Lab Sample ID: 240-13643-25 MS

Matrix: Solid

Analysis Batch: 53436

Client Sample ID: LLI01-48SW-0205-SSXX

Prep Type: Total/NA

Prep Batch: 52861

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Copper	12000		115000	121000		ug/Kg	✱	95	75 - 125
Lead	960		115000	107000		ug/Kg	✱	92	75 - 125

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

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

Lab Sample ID: 240-13643-25 MSD

Matrix: Solid

Analysis Batch: 53436

Client Sample ID: LLI01-48SW-0205-SSXX

Prep Type: Total/NA

Prep Batch: 52861

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Copper	12000		115000	120000		ug/Kg	✱	94	75 - 125	1	20
Lead	960		115000	106000		ug/Kg	✱	91	75 - 125	1	20

Lab Sample ID: MB 240-52958/1-A

Matrix: Solid

Analysis Batch: 53436

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 52958

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	507	J	1000	390	ug/Kg		08/02/12 10:13	08/06/12 20:17	1
Arsenic	1000	U	1000	300	ug/Kg		08/02/12 10:13	08/06/12 20:17	1
Copper	2500	U	2500	740	ug/Kg		08/02/12 10:13	08/06/12 20:17	1
Iron	10000	U	10000	4900	ug/Kg		08/02/12 10:13	08/06/12 20:17	1
Lead	300	U	300	190	ug/Kg		08/02/12 10:13	08/06/12 20:17	1

Lab Sample ID: LCS 240-52958/2-A

Matrix: Solid

Analysis Batch: 53436

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 52958

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	10000	9360		ug/Kg		94	80 - 120
Arsenic	100000	93300		ug/Kg		93	80 - 120
Copper	100000	95700		ug/Kg		96	80 - 120
Iron	1000000	971000		ug/Kg		97	80 - 120
Lead	100000	95800		ug/Kg		96	80 - 120

Lab Sample ID: 240-13643-47 MS

Matrix: Solid

Analysis Batch: 53436

Client Sample ID: LLI01-39NE-0602-SSXX

Prep Type: Total/NA

Prep Batch: 52958

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	910	J B	10800	5380	F	ug/Kg	✱	41	75 - 125
Arsenic	12000		108000	106000		ug/Kg	✱	87	75 - 125
Iron	16000000		1080000	23000000	4	ug/Kg	✱	665	75 - 125

Lab Sample ID: 240-13643-47 MS

Matrix: Solid

Analysis Batch: 53461

Client Sample ID: LLI01-39NE-0602-SSXX

Prep Type: Total/NA

Prep Batch: 52958

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Copper	6600000		108000	1680000	4	ug/Kg	✱	-4537	75 - 125
Lead	61000		108000	176000		ug/Kg	✱	107	75 - 125

Lab Sample ID: 240-13643-47 MSD

Matrix: Solid

Analysis Batch: 53436

Client Sample ID: LLI01-39NE-0602-SSXX

Prep Type: Total/NA

Prep Batch: 52958

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	910	J B	10800	6670	F	ug/Kg	✱	53	75 - 125	21	20
Arsenic	12000		108000	107000		ug/Kg	✱	89	75 - 125	1	20
Iron	16000000		1080000	18000000	4 F	ug/Kg	✱	197	75 - 125	25	20

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

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

Lab Sample ID: 240-13643-47 MSD

Matrix: Solid

Analysis Batch: 53461

Client Sample ID: LLI01-39NE-0602-SSXX

Prep Type: Total/NA

Prep Batch: 52958

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Copper	6600000		108000	1660000	4	ug/Kg	✱	-4549	75 - 125	1	20
Lead	61000		108000	203000	F	ug/Kg	✱	132	75 - 125	14	20

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 240-52853/1-A

Matrix: Solid

Analysis Batch: 53086

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 52853

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	200	U	200	24	ug/Kg		08/01/12 11:57	08/02/12 23:49	1
Arsenic	100	U	100	62	ug/Kg		08/01/12 11:57	08/02/12 23:49	1
Iron	5860		4000	1000	ug/Kg		08/01/12 11:57	08/02/12 23:49	1
Lead	38.0	J	100	13	ug/Kg		08/01/12 11:57	08/02/12 23:49	1

Lab Sample ID: LCS 240-52853/2-A

Matrix: Solid

Analysis Batch: 53086

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 52853

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	10000	8960		ug/Kg		90	68 - 113
Arsenic	100000	78100		ug/Kg		78	73 - 110
Iron	1000000	924000		ug/Kg		92	80 - 120
Lead	100000	105000		ug/Kg		105	75 - 110

Lab Sample ID: 240-13643-24 MS

Matrix: Solid

Analysis Batch: 53086

Client Sample ID: LLI01-48SW-0602-SSXX

Prep Type: Total/NA

Prep Batch: 52853

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	27	J	9960	6920	F	ug/Kg	✱	69	75 - 125
Arsenic	1800		99600	77800		ug/Kg	✱	76	23 - 131
Iron	5600000	B	996000	7270000	4	ug/Kg	✱	166	70 - 130
Lead	1700	B	99600	86700		ug/Kg	✱	85	10 - 199

Lab Sample ID: 240-13643-24 MSD

Matrix: Solid

Analysis Batch: 53086

Client Sample ID: LLI01-48SW-0602-SSXX

Prep Type: Total/NA

Prep Batch: 52853

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	27	J	9960	6540	F	ug/Kg	✱	65	75 - 125	6	20
Arsenic	1800		99600	77700		ug/Kg	✱	76	23 - 131	0	20
Iron	5600000	B	996000	7940000	4	ug/Kg	✱	233	70 - 130	9	20
Lead	1700	B	99600	85800		ug/Kg	✱	84	10 - 199	1	20

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

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

Lab Sample ID: MB 240-52861/1-A

Matrix: Solid

Analysis Batch: 53086

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 52861

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	200	U	200	24	ug/Kg		08/01/12 12:36	08/02/12 21:18	1
Arsenic	100	U	100	62	ug/Kg		08/01/12 12:36	08/02/12 21:18	1
Iron	5190		4000	1000	ug/Kg		08/01/12 12:36	08/02/12 21:18	1
Lead	100	U	100	13	ug/Kg		08/01/12 12:36	08/02/12 21:18	1

Lab Sample ID: LCS 240-52861/2-A

Matrix: Solid

Analysis Batch: 53086

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 52861

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	10000	8820		ug/Kg		88	68 - 113
Arsenic	100000	79200		ug/Kg		79	73 - 110
Iron	1000000	921000		ug/Kg		92	80 - 120

Lab Sample ID: 240-13643-25 MS

Matrix: Solid

Analysis Batch: 53086

Client Sample ID: LLI01-48SW-0205-SSXX

Prep Type: Total/NA

Prep Batch: 52861

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	48	J	11500	5900	F	ug/Kg	⚠	51	75 - 125
Arsenic	500		115000	91700		ug/Kg	⚠	79	23 - 131
Iron	3700000	B	1150000	4190000	F	ug/Kg	⚠	44	70 - 130

Lab Sample ID: 240-13643-25 MSD

Matrix: Solid

Analysis Batch: 53086

Client Sample ID: LLI01-48SW-0205-SSXX

Prep Type: Total/NA

Prep Batch: 52861

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	48	J	11500	5590	F	ug/Kg	⚠	48	75 - 125	5	20
Arsenic	500		115000	90900		ug/Kg	⚠	79	23 - 131	1	20
Iron	3700000	B	1150000	4300000	F	ug/Kg	⚠	54	70 - 130	3	20

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Metals

Prep Batch: 52853

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13643-1	LLI01-58SE-0006-SSXX	Total/NA	Solid	3050B	
240-13643-2	LLI01-58SE-0602-SSXX	Total/NA	Solid	3050B	
240-13643-3	LLI01-58SE-0205-SSXX	Total/NA	Solid	3050B	
240-13643-5	LLI01-58SW-0006-SSXX	Total/NA	Solid	3050B	
240-13643-6	LLI01-58SW-0602-SSXX	Total/NA	Solid	3050B	
240-13643-7	LLI01-58SW-0205-SSXX	Total/NA	Solid	3050B	
240-13643-9	LLI01-49NE-0006-SSXX	Total/NA	Solid	3050B	
240-13643-10	LLI01-49NE-0605-SSXX	Total/NA	Solid	3050B	
240-13643-11	LLI01-49NE-0205-SSXX	Total/NA	Solid	3050B	
240-13643-12	LLI01-49NW-0006-SSXX	Total/NA	Solid	3050B	
240-13643-13	LLI01-49NW-0602-SSXX	Total/NA	Solid	3050B	
240-13643-14	LLI01-49NW-0205-SSXX	Total/NA	Solid	3050B	
240-13643-15	LLI01-49SW-0006-SSXX	Total/NA	Solid	3050B	
240-13643-16	LLI01-49SW-0602-SSXX	Total/NA	Solid	3050B	
240-13643-17	LLI01-49SW-0205-SSXX	Total/NA	Solid	3050B	
240-13643-20	LLI01-48SE-0006-SSXX	Total/NA	Solid	3050B	
240-13643-21	LLI01-48SE-0602-SSXX	Total/NA	Solid	3050B	
240-13643-22	LLI01-48SE-0205-SSXX	Total/NA	Solid	3050B	
240-13643-23	LLI01-48SW-0006-SSXX	Total/NA	Solid	3050B	
240-13643-24	LLI01-48SW-0602-SSXX	Total/NA	Solid	3050B	
240-13643-24 MS	LLI01-48SW-0602-SSXX	Total/NA	Solid	3050B	
240-13643-24 MSD	LLI01-48SW-0602-SSXX	Total/NA	Solid	3050B	
LCS 240-52853/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 240-52853/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 52861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13643-25	LLI01-48SW-0205-SSXX	Total/NA	Solid	3050B	
240-13643-25 MS	LLI01-48SW-0205-SSXX	Total/NA	Solid	3050B	
240-13643-25 MSD	LLI01-48SW-0205-SSXX	Total/NA	Solid	3050B	
240-13643-28	LLI01-40NE-0006-SSXX	Total/NA	Solid	3050B	
240-13643-29	LLI01-40NE-0602-SSXX	Total/NA	Solid	3050B	
240-13643-30	LLI01-40NE-0205-SSXX	Total/NA	Solid	3050B	
240-13643-31	LLI01-40NW-0006-SSXX	Total/NA	Solid	3050B	
240-13643-32	LLI01-40NW-0602-SSXX	Total/NA	Solid	3050B	
240-13643-33	LLI01-40NW-0205-SSXX	Total/NA	Solid	3050B	
240-13643-34	LLI01-40SW-0006-SSXX	Total/NA	Solid	3050B	
240-13643-35	LLI01-40SW-0602-SSXX	Total/NA	Solid	3050B	
240-13643-36	LLI01-40SW-0205-SSXX	Total/NA	Solid	3050B	
240-13643-39	LLI01-39SW-0006-SSXX	Total/NA	Solid	3050B	
240-13643-40	LLI01-39SW-0602-SSXX	Total/NA	Solid	3050B	
240-13643-41	LLI01-39SW-0205-SSXX	Total/NA	Solid	3050B	
240-13643-42	LLI01-39NW-0006-SSXX	Total/NA	Solid	3050B	
240-13643-43	LLI01-39NW-0205-SSXX	Total/NA	Solid	3050B	
240-13643-44	LLI01-39NW-0602-SSXX	Total/NA	Solid	3050B	
240-13643-45	LLI01-39NE-0006-SSXX	Total/NA	Solid	3050B	
LCS 240-52861/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 240-52861/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 52958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13643-46	LLI01-39NE-0205-SSXX	Total/NA	Solid	3050B	

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Metals (Continued)

Prep Batch: 52958 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13643-47	LLI01-39NE-0602-SSXX	Total/NA	Solid	3050B	
240-13643-47 MS	LLI01-39NE-0602-SSXX	Total/NA	Solid	3050B	
240-13643-47 MSD	LLI01-39NE-0602-SSXX	Total/NA	Solid	3050B	
240-13643-48	LLI01-39SE-0006-SSXX	Total/NA	Solid	3050B	
240-13643-49	LLI01-39SE-0205-SSXX	Total/NA	Solid	3050B	
240-13643-50	LLI01-39SE-0602-SSXX	Total/NA	Solid	3050B	
240-13643-53	LLI01-DUP01-XXXX-SSFD	Total/NA	Solid	3050B	
240-13643-54	LLI01-DUP02-XXXX-SSFD	Total/NA	Solid	3050B	
240-13643-55	LLI01-DUP03-XXXX-SSFD	Total/NA	Solid	3050B	
240-13643-56	LLI01-DUP04-XXXX-SSFD	Total/NA	Solid	3050B	
LCS 240-52958/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 240-52958/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 53086

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13643-1	LLI01-58SE-0006-SSXX	Total/NA	Solid	6020	52853
240-13643-2	LLI01-58SE-0602-SSXX	Total/NA	Solid	6020	52853
240-13643-3	LLI01-58SE-0205-SSXX	Total/NA	Solid	6020	52853
240-13643-5	LLI01-58SW-0006-SSXX	Total/NA	Solid	6020	52853
240-13643-6	LLI01-58SW-0602-SSXX	Total/NA	Solid	6020	52853
240-13643-7	LLI01-58SW-0205-SSXX	Total/NA	Solid	6020	52853
240-13643-9	LLI01-49NE-0006-SSXX	Total/NA	Solid	6020	52853
240-13643-10	LLI01-49NE-0605-SSXX	Total/NA	Solid	6020	52853
240-13643-11	LLI01-49NE-0205-SSXX	Total/NA	Solid	6020	52853
240-13643-12	LLI01-49NW-0006-SSXX	Total/NA	Solid	6020	52853
240-13643-13	LLI01-49NW-0602-SSXX	Total/NA	Solid	6020	52853
240-13643-14	LLI01-49NW-0205-SSXX	Total/NA	Solid	6020	52853
240-13643-15	LLI01-49SW-0006-SSXX	Total/NA	Solid	6020	52853
240-13643-16	LLI01-49SW-0602-SSXX	Total/NA	Solid	6020	52853
240-13643-17	LLI01-49SW-0205-SSXX	Total/NA	Solid	6020	52853
240-13643-20	LLI01-48SE-0006-SSXX	Total/NA	Solid	6020	52853
240-13643-21	LLI01-48SE-0602-SSXX	Total/NA	Solid	6020	52853
240-13643-22	LLI01-48SE-0205-SSXX	Total/NA	Solid	6020	52853
240-13643-23	LLI01-48SW-0006-SSXX	Total/NA	Solid	6020	52853
240-13643-24	LLI01-48SW-0602-SSXX	Total/NA	Solid	6020	52853
240-13643-24 MS	LLI01-48SW-0602-SSXX	Total/NA	Solid	6020	52853
240-13643-24 MSD	LLI01-48SW-0602-SSXX	Total/NA	Solid	6020	52853
240-13643-25	LLI01-48SW-0205-SSXX	Total/NA	Solid	6020	52861
240-13643-25 MS	LLI01-48SW-0205-SSXX	Total/NA	Solid	6020	52861
240-13643-25 MSD	LLI01-48SW-0205-SSXX	Total/NA	Solid	6020	52861
240-13643-28	LLI01-40NE-0006-SSXX	Total/NA	Solid	6020	52861
240-13643-29	LLI01-40NE-0602-SSXX	Total/NA	Solid	6020	52861
240-13643-30	LLI01-40NE-0205-SSXX	Total/NA	Solid	6020	52861
240-13643-31	LLI01-40NW-0006-SSXX	Total/NA	Solid	6020	52861
240-13643-32	LLI01-40NW-0602-SSXX	Total/NA	Solid	6020	52861
240-13643-33	LLI01-40NW-0205-SSXX	Total/NA	Solid	6020	52861
240-13643-34	LLI01-40SW-0006-SSXX	Total/NA	Solid	6020	52861
240-13643-35	LLI01-40SW-0602-SSXX	Total/NA	Solid	6020	52861
240-13643-36	LLI01-40SW-0205-SSXX	Total/NA	Solid	6020	52861
240-13643-39	LLI01-39SW-0006-SSXX	Total/NA	Solid	6020	52861
240-13643-40	LLI01-39SW-0602-SSXX	Total/NA	Solid	6020	52861
240-13643-41	LLI01-39SW-0205-SSXX	Total/NA	Solid	6020	52861

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Metals (Continued)

Analysis Batch: 53086 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13643-42	LLI01-39NW-0006-SSXX	Total/NA	Solid	6020	52861
240-13643-43	LLI01-39NW-0205-SSXX	Total/NA	Solid	6020	52861
240-13643-44	LLI01-39NW-0602-SSXX	Total/NA	Solid	6020	52861
240-13643-45	LLI01-39NE-0006-SSXX	Total/NA	Solid	6020	52861
LCS 240-52853/2-A	Lab Control Sample	Total/NA	Solid	6020	52853
LCS 240-52861/2-A	Lab Control Sample	Total/NA	Solid	6020	52861
MB 240-52853/1-A	Method Blank	Total/NA	Solid	6020	52853
MB 240-52861/1-A	Method Blank	Total/NA	Solid	6020	52861

Analysis Batch: 53436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13643-1	LLI01-58SE-0006-SSXX	Total/NA	Solid	6010B	52853
240-13643-2	LLI01-58SE-0602-SSXX	Total/NA	Solid	6010B	52853
240-13643-3	LLI01-58SE-0205-SSXX	Total/NA	Solid	6010B	52853
240-13643-5	LLI01-58SW-0006-SSXX	Total/NA	Solid	6010B	52853
240-13643-6	LLI01-58SW-0602-SSXX	Total/NA	Solid	6010B	52853
240-13643-7	LLI01-58SW-0205-SSXX	Total/NA	Solid	6010B	52853
240-13643-9	LLI01-49NE-0006-SSXX	Total/NA	Solid	6010B	52853
240-13643-10	LLI01-49NE-0605-SSXX	Total/NA	Solid	6010B	52853
240-13643-11	LLI01-49NE-0205-SSXX	Total/NA	Solid	6010B	52853
240-13643-12	LLI01-49NW-0006-SSXX	Total/NA	Solid	6010B	52853
240-13643-13	LLI01-49NW-0602-SSXX	Total/NA	Solid	6010B	52853
240-13643-14	LLI01-49NW-0205-SSXX	Total/NA	Solid	6010B	52853
240-13643-15	LLI01-49SW-0006-SSXX	Total/NA	Solid	6010B	52853
240-13643-16	LLI01-49SW-0602-SSXX	Total/NA	Solid	6010B	52853
240-13643-17	LLI01-49SW-0205-SSXX	Total/NA	Solid	6010B	52853
240-13643-20	LLI01-48SE-0006-SSXX	Total/NA	Solid	6010B	52853
240-13643-21	LLI01-48SE-0602-SSXX	Total/NA	Solid	6010B	52853
240-13643-22	LLI01-48SE-0205-SSXX	Total/NA	Solid	6010B	52853
240-13643-23	LLI01-48SW-0006-SSXX	Total/NA	Solid	6010B	52853
240-13643-24	LLI01-48SW-0602-SSXX	Total/NA	Solid	6010B	52853
240-13643-24 MS	LLI01-48SW-0602-SSXX	Total/NA	Solid	6010B	52853
240-13643-24 MSD	LLI01-48SW-0602-SSXX	Total/NA	Solid	6010B	52853
240-13643-25	LLI01-48SW-0205-SSXX	Total/NA	Solid	6010B	52861
240-13643-25 MS	LLI01-48SW-0205-SSXX	Total/NA	Solid	6010B	52861
240-13643-25 MSD	LLI01-48SW-0205-SSXX	Total/NA	Solid	6010B	52861
240-13643-28	LLI01-40NE-0006-SSXX	Total/NA	Solid	6010B	52861
240-13643-29	LLI01-40NE-0602-SSXX	Total/NA	Solid	6010B	52861
240-13643-30	LLI01-40NE-0205-SSXX	Total/NA	Solid	6010B	52861
240-13643-31	LLI01-40NW-0006-SSXX	Total/NA	Solid	6010B	52861
240-13643-32	LLI01-40NW-0602-SSXX	Total/NA	Solid	6010B	52861
240-13643-33	LLI01-40NW-0205-SSXX	Total/NA	Solid	6010B	52861
240-13643-34	LLI01-40SW-0006-SSXX	Total/NA	Solid	6010B	52861
240-13643-35	LLI01-40SW-0602-SSXX	Total/NA	Solid	6010B	52861
240-13643-36	LLI01-40SW-0205-SSXX	Total/NA	Solid	6010B	52861
240-13643-39	LLI01-39SW-0006-SSXX	Total/NA	Solid	6010B	52861
240-13643-40	LLI01-39SW-0602-SSXX	Total/NA	Solid	6010B	52861
240-13643-41	LLI01-39SW-0205-SSXX	Total/NA	Solid	6010B	52861
240-13643-42	LLI01-39NW-0006-SSXX	Total/NA	Solid	6010B	52861
240-13643-43	LLI01-39NW-0205-SSXX	Total/NA	Solid	6010B	52861
240-13643-44	LLI01-39NW-0602-SSXX	Total/NA	Solid	6010B	52861
240-13643-45	LLI01-39NE-0006-SSXX	Total/NA	Solid	6010B	52861

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Metals (Continued)

Analysis Batch: 53436 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13643-46	LLI01-39NE-0205-SSXX	Total/NA	Solid	6010B	52958
240-13643-47	LLI01-39NE-0602-SSXX	Total/NA	Solid	6010B	52958
240-13643-47 MS	LLI01-39NE-0602-SSXX	Total/NA	Solid	6010B	52958
240-13643-47 MSD	LLI01-39NE-0602-SSXX	Total/NA	Solid	6010B	52958
240-13643-48	LLI01-39SE-0006-SSXX	Total/NA	Solid	6010B	52958
240-13643-49	LLI01-39SE-0205-SSXX	Total/NA	Solid	6010B	52958
240-13643-50	LLI01-39SE-0602-SSXX	Total/NA	Solid	6010B	52958
240-13643-53	LLI01-DUP01-XXXX-SSFD	Total/NA	Solid	6010B	52958
240-13643-54	LLI01-DUP02-XXXX-SSFD	Total/NA	Solid	6010B	52958
240-13643-55	LLI01-DUP03-XXXX-SSFD	Total/NA	Solid	6010B	52958
240-13643-56	LLI01-DUP04-XXXX-SSFD	Total/NA	Solid	6010B	52958
LCS 240-52853/2-A	Lab Control Sample	Total/NA	Solid	6010B	52853
LCS 240-52861/2-A	Lab Control Sample	Total/NA	Solid	6010B	52861
LCS 240-52958/2-A	Lab Control Sample	Total/NA	Solid	6010B	52958
MB 240-52853/1-A	Method Blank	Total/NA	Solid	6010B	52853
MB 240-52861/1-A	Method Blank	Total/NA	Solid	6010B	52861
MB 240-52958/1-A	Method Blank	Total/NA	Solid	6010B	52958

Analysis Batch: 53461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13643-46	LLI01-39NE-0205-SSXX	Total/NA	Solid	6010B	52958
240-13643-47	LLI01-39NE-0602-SSXX	Total/NA	Solid	6010B	52958
240-13643-47 MS	LLI01-39NE-0602-SSXX	Total/NA	Solid	6010B	52958
240-13643-47 MSD	LLI01-39NE-0602-SSXX	Total/NA	Solid	6010B	52958
240-13643-48	LLI01-39SE-0006-SSXX	Total/NA	Solid	6010B	52958
240-13643-49	LLI01-39SE-0205-SSXX	Total/NA	Solid	6010B	52958
240-13643-50	LLI01-39SE-0602-SSXX	Total/NA	Solid	6010B	52958
240-13643-53	LLI01-DUP01-XXXX-SSFD	Total/NA	Solid	6010B	52958
240-13643-54	LLI01-DUP02-XXXX-SSFD	Total/NA	Solid	6010B	52958
240-13643-56	LLI01-DUP04-XXXX-SSFD	Total/NA	Solid	6010B	52958

General Chemistry

Analysis Batch: 52681

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13643-1	LLI01-58SE-0006-SSXX	Total/NA	Solid	Moisture	
240-13643-2	LLI01-58SE-0602-SSXX	Total/NA	Solid	Moisture	
240-13643-3	LLI01-58SE-0205-SSXX	Total/NA	Solid	Moisture	
240-13643-5	LLI01-58SW-0006-SSXX	Total/NA	Solid	Moisture	
240-13643-6	LLI01-58SW-0602-SSXX	Total/NA	Solid	Moisture	
240-13643-7	LLI01-58SW-0205-SSXX	Total/NA	Solid	Moisture	
240-13643-9	LLI01-49NE-0006-SSXX	Total/NA	Solid	Moisture	
240-13643-10	LLI01-49NE-0605-SSXX	Total/NA	Solid	Moisture	
240-13643-10 DU	LLI01-49NE-0605-SSXX	Total/NA	Solid	Moisture	
240-13643-11	LLI01-49NE-0205-SSXX	Total/NA	Solid	Moisture	
240-13643-12	LLI01-49NW-0006-SSXX	Total/NA	Solid	Moisture	
240-13643-13	LLI01-49NW-0602-SSXX	Total/NA	Solid	Moisture	
240-13643-14	LLI01-49NW-0205-SSXX	Total/NA	Solid	Moisture	
240-13643-15	LLI01-49SW-0006-SSXX	Total/NA	Solid	Moisture	
240-13643-16	LLI01-49SW-0602-SSXX	Total/NA	Solid	Moisture	
240-13643-17	LLI01-49SW-0205-SSXX	Total/NA	Solid	Moisture	
240-13643-20	LLI01-48SE-0006-SSXX	Total/NA	Solid	Moisture	

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

General Chemistry (Continued)

Analysis Batch: 52681 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13643-21	LLI01-48SE-0602-SSXX	Total/NA	Solid	Moisture	
240-13643-21 DU	LLI01-48SE-0602-SSXX	Total/NA	Solid	Moisture	
240-13643-22	LLI01-48SE-0205-SSXX	Total/NA	Solid	Moisture	
240-13643-23	LLI01-48SW-0006-SSXX	Total/NA	Solid	Moisture	
240-13643-24	LLI01-48SW-0602-SSXX	Total/NA	Solid	Moisture	
240-13643-24 DU	LLI01-48SW-0602-SSXX	Total/NA	Solid	Moisture	
240-13643-25	LLI01-48SW-0205-SSXX	Total/NA	Solid	Moisture	
240-13643-28	LLI01-40NE-0006-SSXX	Total/NA	Solid	Moisture	
240-13643-29	LLI01-40NE-0602-SSXX	Total/NA	Solid	Moisture	
240-13643-30	LLI01-40NE-0205-SSXX	Total/NA	Solid	Moisture	
240-13643-31	LLI01-40NW-0006-SSXX	Total/NA	Solid	Moisture	
240-13643-32	LLI01-40NW-0602-SSXX	Total/NA	Solid	Moisture	
240-13643-33	LLI01-40NW-0205-SSXX	Total/NA	Solid	Moisture	
240-13643-34	LLI01-40SW-0006-SSXX	Total/NA	Solid	Moisture	
240-13643-35	LLI01-40SW-0602-SSXX	Total/NA	Solid	Moisture	
240-13643-36	LLI01-40SW-0205-SSXX	Total/NA	Solid	Moisture	
240-13643-36 DU	LLI01-40SW-0205-SSXX	Total/NA	Solid	Moisture	
240-13643-39	LLI01-39SW-0006-SSXX	Total/NA	Solid	Moisture	
240-13643-40	LLI01-39SW-0602-SSXX	Total/NA	Solid	Moisture	
240-13643-41	LLI01-39SW-0205-SSXX	Total/NA	Solid	Moisture	
240-13643-42	LLI01-39NW-0006-SSXX	Total/NA	Solid	Moisture	
240-13643-43	LLI01-39NW-0205-SSXX	Total/NA	Solid	Moisture	
240-13643-44	LLI01-39NW-0602-SSXX	Total/NA	Solid	Moisture	
240-13643-45	LLI01-39NE-0006-SSXX	Total/NA	Solid	Moisture	
240-13643-46	LLI01-39NE-0205-SSXX	Total/NA	Solid	Moisture	
240-13643-47	LLI01-39NE-0602-SSXX	Total/NA	Solid	Moisture	
240-13643-47 DU	LLI01-39NE-0602-SSXX	Total/NA	Solid	Moisture	
240-13643-48	LLI01-39SE-0006-SSXX	Total/NA	Solid	Moisture	
240-13643-49	LLI01-39SE-0205-SSXX	Total/NA	Solid	Moisture	
240-13643-50	LLI01-39SE-0602-SSXX	Total/NA	Solid	Moisture	
240-13643-53	LLI01-DUP01-XXXX-SSFD	Total/NA	Solid	Moisture	
240-13643-54	LLI01-DUP02-XXXX-SSFD	Total/NA	Solid	Moisture	
240-13643-55	LLI01-DUP03-XXXX-SSFD	Total/NA	Solid	Moisture	
240-13643-56	LLI01-DUP04-XXXX-SSFD	Total/NA	Solid	Moisture	

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-58SE-0006-SSXX

Date Collected: 07/25/12 11:55

Date Received: 07/28/12 09:30

Lab Sample ID: 240-13643-1

Matrix: Solid

Percent Solids: 89.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52853	08/01/12 11:57	DE	TAL NC
Total/NA	Analysis	6020		1	53086	08/03/12 00:26	BD	TAL NC
Total/NA	Analysis	6010B		1	53436	08/06/12 15:39	BD	TAL NC
Total/NA	Analysis	Moisture		1	52681	07/31/12 14:07	TH	TAL NC

Client Sample ID: LLI01-58SE-0602-SSXX

Date Collected: 07/25/12 11:58

Date Received: 07/28/12 09:30

Lab Sample ID: 240-13643-2

Matrix: Solid

Percent Solids: 86.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52853	08/01/12 11:57	DE	TAL NC
Total/NA	Analysis	6020		1	53086	08/03/12 00:32	BD	TAL NC
Total/NA	Analysis	6010B		5	53436	08/06/12 15:45	BD	TAL NC
Total/NA	Analysis	Moisture		1	52681	07/31/12 14:07	TH	TAL NC

Client Sample ID: LLI01-58SE-0205-SSXX

Date Collected: 07/25/12 12:03

Date Received: 07/28/12 09:30

Lab Sample ID: 240-13643-3

Matrix: Solid

Percent Solids: 83.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52853	08/01/12 11:57	DE	TAL NC
Total/NA	Analysis	6020		1	53086	08/03/12 00:49	BD	TAL NC
Total/NA	Analysis	6010B		10	53436	08/06/12 15:50	BD	TAL NC
Total/NA	Analysis	Moisture		1	52681	07/31/12 14:07	TH	TAL NC

Client Sample ID: LLI01-58SW-0006-SSXX

Date Collected: 07/25/12 12:08

Date Received: 07/28/12 09:30

Lab Sample ID: 240-13643-5

Matrix: Solid

Percent Solids: 93.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52853	08/01/12 11:57	DE	TAL NC
Total/NA	Analysis	6020		1	53086	08/03/12 00:54	BD	TAL NC
Total/NA	Analysis	6010B		1	53436	08/06/12 15:56	BD	TAL NC
Total/NA	Analysis	Moisture		1	52681	07/31/12 14:07	TH	TAL NC

Client Sample ID: LLI01-58SW-0602-SSXX

Date Collected: 07/25/12 12:10

Date Received: 07/28/12 09:30

Lab Sample ID: 240-13643-6

Matrix: Solid

Percent Solids: 89.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52853	08/01/12 11:57	DE	TAL NC
Total/NA	Analysis	6020		1	53086	08/03/12 01:00	BD	TAL NC
Total/NA	Analysis	6010B		5	53436	08/06/12 16:02	BD	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-58SW-0602-SSXX

Lab Sample ID: 240-13643-6

Date Collected: 07/25/12 12:10

Matrix: Solid

Date Received: 07/28/12 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	52681	07/31/12 14:07	TH	TAL NC

Client Sample ID: LLI01-58SW-0205-SSXX

Lab Sample ID: 240-13643-7

Date Collected: 07/25/12 12:12

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 84.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52853	08/01/12 11:57	DE	TAL NC
Total/NA	Analysis	6020		1	53086	08/03/12 01:05	BD	TAL NC
Total/NA	Analysis	6010B		5	53436	08/06/12 16:07	BD	TAL NC
Total/NA	Analysis	Moisture		1	52681	07/31/12 14:07	TH	TAL NC

Client Sample ID: LLI01-49NE-0006-SSXX

Lab Sample ID: 240-13643-9

Date Collected: 07/25/12 12:48

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52853	08/01/12 11:57	DE	TAL NC
Total/NA	Analysis	6020		1	53086	08/03/12 01:11	BD	TAL NC
Total/NA	Analysis	6010B		1	53436	08/06/12 16:25	BD	TAL NC
Total/NA	Analysis	Moisture		1	52681	07/31/12 14:07	TH	TAL NC

Client Sample ID: LLI01-49NE-0605-SSXX

Lab Sample ID: 240-13643-10

Date Collected: 07/25/12 12:50

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 93.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52853	08/01/12 11:57	DE	TAL NC
Total/NA	Analysis	6020		1	53086	08/03/12 01:16	BD	TAL NC
Total/NA	Analysis	6010B		5	53436	08/06/12 16:30	BD	TAL NC
Total/NA	Analysis	Moisture		1	52681	07/31/12 14:07	TH	TAL NC

Client Sample ID: LLI01-49NE-0205-SSXX

Lab Sample ID: 240-13643-11

Date Collected: 07/25/12 12:52

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 85.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52853	08/01/12 11:57	DE	TAL NC
Total/NA	Analysis	6020		1	53086	08/03/12 01:22	BD	TAL NC
Total/NA	Analysis	6010B		5	53436	08/06/12 16:36	BD	TAL NC
Total/NA	Analysis	Moisture		1	52681	07/31/12 14:07	TH	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-49NW-0006-SSXX

Lab Sample ID: 240-13643-12

Date Collected: 07/25/12 13:01

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 87.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52853	08/01/12 11:57	DE	TAL NC
Total/NA	Analysis	6020		1	53086	08/03/12 01:28	BD	TAL NC
Total/NA	Analysis	6010B		1	53436	08/06/12 16:41	BD	TAL NC
Total/NA	Analysis	Moisture		1	52681	07/31/12 14:07	TH	TAL NC

Client Sample ID: LLI01-49NW-0602-SSXX

Lab Sample ID: 240-13643-13

Date Collected: 07/25/12 13:04

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 92.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52853	08/01/12 11:57	DE	TAL NC
Total/NA	Analysis	6020		1	53086	08/03/12 01:33	BD	TAL NC
Total/NA	Analysis	6010B		5	53436	08/06/12 16:47	BD	TAL NC
Total/NA	Analysis	Moisture		1	52681	07/31/12 14:26	TH	TAL NC

Client Sample ID: LLI01-49NW-0205-SSXX

Lab Sample ID: 240-13643-14

Date Collected: 07/25/12 13:05

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 92.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52853	08/01/12 11:57	DE	TAL NC
Total/NA	Analysis	6020		1	53086	08/03/12 01:39	BD	TAL NC
Total/NA	Analysis	6010B		10	53436	08/06/12 16:53	BD	TAL NC
Total/NA	Analysis	Moisture		1	52681	07/31/12 14:26	TH	TAL NC

Client Sample ID: LLI01-49SW-0006-SSXX

Lab Sample ID: 240-13643-15

Date Collected: 07/25/12 13:10

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 91.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52853	08/01/12 11:57	DE	TAL NC
Total/NA	Analysis	6020		1	53086	08/03/12 01:55	BD	TAL NC
Total/NA	Analysis	6010B		1	53436	08/06/12 16:58	BD	TAL NC
Total/NA	Analysis	Moisture		1	52681	07/31/12 14:26	TH	TAL NC

Client Sample ID: LLI01-49SW-0602-SSXX

Lab Sample ID: 240-13643-16

Date Collected: 07/25/12 13:12

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 95.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52853	08/01/12 11:57	DE	TAL NC
Total/NA	Analysis	6020		1	53086	08/03/12 02:01	BD	TAL NC
Total/NA	Analysis	6010B		10	53436	08/06/12 17:04	BD	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-49SW-0602-SSXX

Lab Sample ID: 240-13643-16

Date Collected: 07/25/12 13:12

Matrix: Solid

Date Received: 07/28/12 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	52681	07/31/12 14:26	TH	TAL NC

Client Sample ID: LLI01-49SW-0205-SSXX

Lab Sample ID: 240-13643-17

Date Collected: 07/25/12 13:13

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 82.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52853	08/01/12 11:57	DE	TAL NC
Total/NA	Analysis	6020		1	53086	08/03/12 02:07	BD	TAL NC
Total/NA	Analysis	6010B		5	53436	08/06/12 17:10	BD	TAL NC
Total/NA	Analysis	Moisture		1	52681	07/31/12 14:26	TH	TAL NC

Client Sample ID: LLI01-48SE-0006-SSXX

Lab Sample ID: 240-13643-20

Date Collected: 07/25/12 13:42

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 95.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52853	08/01/12 11:57	DE	TAL NC
Total/NA	Analysis	6020		1	53086	08/03/12 02:12	BD	TAL NC
Total/NA	Analysis	6010B		1	53436	08/06/12 17:15	BD	TAL NC
Total/NA	Analysis	Moisture		1	52681	07/31/12 14:26	TH	TAL NC

Client Sample ID: LLI01-48SE-0602-SSXX

Lab Sample ID: 240-13643-21

Date Collected: 07/25/12 13:44

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52853	08/01/12 11:57	DE	TAL NC
Total/NA	Analysis	6020		1	53086	08/03/12 02:18	BD	TAL NC
Total/NA	Analysis	6010B		5	53436	08/06/12 17:32	BD	TAL NC
Total/NA	Analysis	Moisture		1	52681	07/31/12 14:26	TH	TAL NC

Client Sample ID: LLI01-48SE-0205-SSXX

Lab Sample ID: 240-13643-22

Date Collected: 07/25/12 13:46

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 87.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52853	08/01/12 11:57	DE	TAL NC
Total/NA	Analysis	6020		1	53086	08/03/12 02:24	BD	TAL NC
Total/NA	Analysis	6010B		5	53436	08/06/12 17:38	BD	TAL NC
Total/NA	Analysis	Moisture		1	52681	07/31/12 14:26	TH	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-48SW-0006-SSXX

Lab Sample ID: 240-13643-23

Date Collected: 07/25/12 13:56

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 87.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52853	08/01/12 11:57	DE	TAL NC
Total/NA	Analysis	6020		1	53086	08/03/12 02:29	BD	TAL NC
Total/NA	Analysis	6010B		5	53436	08/06/12 17:44	BD	TAL NC
Total/NA	Analysis	Moisture		1	52681	07/31/12 14:26	TH	TAL NC

Client Sample ID: LLI01-48SW-0602-SSXX

Lab Sample ID: 240-13643-24

Date Collected: 07/25/12 13:58

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 94.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52853	08/01/12 11:57	DE	TAL NC
Total/NA	Analysis	6020		1	53086	08/03/12 00:01	BD	TAL NC
Total/NA	Analysis	6010B		10	53436	08/06/12 15:17	BD	TAL NC
Total/NA	Analysis	Moisture		1	52681	07/31/12 14:26	TH	TAL NC

Client Sample ID: LLI01-48SW-0205-SSXX

Lab Sample ID: 240-13643-25

Date Collected: 07/25/12 14:03

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 83.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52861	08/01/12 12:36	DE	TAL NC
Total/NA	Analysis	6020		1	53086	08/02/12 21:31	BD	TAL NC
Total/NA	Analysis	6010B		1	53436	08/06/12 18:01	BD	TAL NC
Total/NA	Analysis	Moisture		1	52681	07/31/12 14:26	TH	TAL NC

Client Sample ID: LLI01-40NE-0006-SSXX

Lab Sample ID: 240-13643-28

Date Collected: 07/25/12 15:14

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 83.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52861	08/01/12 12:36	DE	TAL NC
Total/NA	Analysis	6020		1	53086	08/02/12 21:57	BD	TAL NC
Total/NA	Analysis	6010B		1	53436	08/06/12 18:23	BD	TAL NC
Total/NA	Analysis	Moisture		1	52681	07/31/12 14:26	TH	TAL NC

Client Sample ID: LLI01-40NE-0602-SSXX

Lab Sample ID: 240-13643-29

Date Collected: 07/25/12 15:16

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 92.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52861	08/01/12 12:36	DE	TAL NC
Total/NA	Analysis	6020		1	53086	08/02/12 22:02	BD	TAL NC
Total/NA	Analysis	6010B		10	53436	08/06/12 18:41	BD	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-40NE-0602-SSXX

Lab Sample ID: 240-13643-29

Date Collected: 07/25/12 15:16

Matrix: Solid

Date Received: 07/28/12 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	52681	07/31/12 14:26	TH	TAL NC

Client Sample ID: LLI01-40NE-0205-SSXX

Lab Sample ID: 240-13643-30

Date Collected: 07/25/12 15:20

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 89.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52861	08/01/12 12:36	DE	TAL NC
Total/NA	Analysis	6020		1	53086	08/02/12 22:08	BD	TAL NC
Total/NA	Analysis	6010B		10	53436	08/06/12 18:46	BD	TAL NC
Total/NA	Analysis	Moisture		1	52681	07/31/12 14:26	TH	TAL NC

Client Sample ID: LLI01-40NW-0006-SSXX

Lab Sample ID: 240-13643-31

Date Collected: 07/25/12 15:28

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 78.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52861	08/01/12 12:36	DE	TAL NC
Total/NA	Analysis	6020		1	53086	08/02/12 22:14	BD	TAL NC
Total/NA	Analysis	6010B		10	53436	08/06/12 18:52	BD	TAL NC
Total/NA	Analysis	Moisture		1	52681	07/31/12 14:26	TH	TAL NC

Client Sample ID: LLI01-40NW-0602-SSXX

Lab Sample ID: 240-13643-32

Date Collected: 07/25/12 15:30

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 94.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52861	08/01/12 12:36	DE	TAL NC
Total/NA	Analysis	6020		1	53086	08/02/12 22:31	BD	TAL NC
Total/NA	Analysis	6010B		10	53436	08/06/12 18:58	BD	TAL NC
Total/NA	Analysis	Moisture		1	52681	07/31/12 14:26	TH	TAL NC

Client Sample ID: LLI01-40NW-0205-SSXX

Lab Sample ID: 240-13643-33

Date Collected: 07/25/12 15:31

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 92.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52861	08/01/12 12:36	DE	TAL NC
Total/NA	Analysis	6020		1	53086	08/02/12 22:36	BD	TAL NC
Total/NA	Analysis	6010B		10	53436	08/06/12 19:03	BD	TAL NC
Total/NA	Analysis	Moisture		1	52681	07/31/12 14:26	TH	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-40SW-0006-SSXX

Lab Sample ID: 240-13643-34

Date Collected: 07/25/12 15:35

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 92.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52861	08/01/12 12:36	DE	TAL NC
Total/NA	Analysis	6020		1	53086	08/02/12 22:42	BD	TAL NC
Total/NA	Analysis	6010B		1	53436	08/06/12 19:09	BD	TAL NC
Total/NA	Analysis	Moisture		1	52681	07/31/12 14:26	TH	TAL NC

Client Sample ID: LLI01-40SW-0602-SSXX

Lab Sample ID: 240-13643-35

Date Collected: 07/25/12 15:37

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 97.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52861	08/01/12 12:36	DE	TAL NC
Total/NA	Analysis	6020		1	53086	08/02/12 22:47	BD	TAL NC
Total/NA	Analysis	6010B		1	53436	08/06/12 19:15	BD	TAL NC
Total/NA	Analysis	Moisture		1	52681	07/31/12 14:26	TH	TAL NC

Client Sample ID: LLI01-40SW-0205-SSXX

Lab Sample ID: 240-13643-36

Date Collected: 07/25/12 15:38

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52861	08/01/12 12:36	DE	TAL NC
Total/NA	Analysis	6020		1	53086	08/02/12 22:53	BD	TAL NC
Total/NA	Analysis	6010B		10	53436	08/06/12 19:20	BD	TAL NC
Total/NA	Analysis	Moisture		1	52681	07/31/12 14:26	TH	TAL NC

Client Sample ID: LLI01-39SW-0006-SSXX

Lab Sample ID: 240-13643-39

Date Collected: 07/25/12 16:08

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 88.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52861	08/01/12 12:36	DE	TAL NC
Total/NA	Analysis	6020		1	53086	08/02/12 22:59	BD	TAL NC
Total/NA	Analysis	6010B		10	53436	08/06/12 19:26	BD	TAL NC
Total/NA	Analysis	Moisture		1	52681	07/31/12 14:26	TH	TAL NC

Client Sample ID: LLI01-39SW-0602-SSXX

Lab Sample ID: 240-13643-40

Date Collected: 07/25/12 16:12

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 89.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52861	08/01/12 12:36	DE	TAL NC
Total/NA	Analysis	6020		1	53086	08/02/12 23:04	BD	TAL NC
Total/NA	Analysis	6010B		5	53436	08/06/12 19:32	BD	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-39SW-0602-SSXX

Lab Sample ID: 240-13643-40

Date Collected: 07/25/12 16:12

Matrix: Solid

Date Received: 07/28/12 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	52681	07/31/12 14:26	TH	TAL NC

Client Sample ID: LLI01-39SW-0205-SSXX

Lab Sample ID: 240-13643-41

Date Collected: 07/25/12 16:14

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 84.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52861	08/01/12 12:36	DE	TAL NC
Total/NA	Analysis	6020		1	53086	08/02/12 23:10	BD	TAL NC
Total/NA	Analysis	6010B		1	53436	08/06/12 19:49	BD	TAL NC
Total/NA	Analysis	Moisture		1	52681	07/31/12 14:26	TH	TAL NC

Client Sample ID: LLI01-39NW-0006-SSXX

Lab Sample ID: 240-13643-42

Date Collected: 07/25/12 16:20

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 86.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52861	08/01/12 12:36	DE	TAL NC
Total/NA	Analysis	6020		1	53086	08/02/12 23:15	BD	TAL NC
Total/NA	Analysis	6010B		5	53436	08/06/12 19:54	BD	TAL NC
Total/NA	Analysis	Moisture		1	52681	07/31/12 14:26	TH	TAL NC

Client Sample ID: LLI01-39NW-0205-SSXX

Lab Sample ID: 240-13643-43

Date Collected: 07/25/12 16:21

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 66.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52861	08/01/12 12:36	DE	TAL NC
Total/NA	Analysis	6020		1	53086	08/02/12 23:21	BD	TAL NC
Total/NA	Analysis	6010B		5	53436	08/06/12 20:00	BD	TAL NC
Total/NA	Analysis	Moisture		1	52681	07/31/12 14:26	TH	TAL NC

Client Sample ID: LLI01-39NW-0602-SSXX

Lab Sample ID: 240-13643-44

Date Collected: 07/25/12 16:22

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 88.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52861	08/01/12 12:36	DE	TAL NC
Total/NA	Analysis	6020		1	53086	08/02/12 23:37	BD	TAL NC
Total/NA	Analysis	6010B		5	53436	08/06/12 20:06	BD	TAL NC
Total/NA	Analysis	Moisture		1	52681	07/31/12 14:26	TH	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-39NE-0006-SSXX

Lab Sample ID: 240-13643-45

Date Collected: 07/25/12 16:28

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 89.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52861	08/01/12 12:36	DE	TAL NC
Total/NA	Analysis	6020		1	53086	08/02/12 23:43	BD	TAL NC
Total/NA	Analysis	6010B		10	53436	08/06/12 20:11	BD	TAL NC
Total/NA	Analysis	Moisture		1	52681	07/31/12 14:26	TH	TAL NC

Client Sample ID: LLI01-39NE-0205-SSXX

Lab Sample ID: 240-13643-46

Date Collected: 07/25/12 16:30

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 83.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52958	08/02/12 10:13	DE	TAL NC
Total/NA	Analysis	6010B		1	53436	08/06/12 21:02	BD	TAL NC
Total/NA	Analysis	6010B		5	53461	08/07/12 20:03	KC	TAL NC
Total/NA	Analysis	Moisture		1	52681	07/31/12 14:26	TH	TAL NC

Client Sample ID: LLI01-39NE-0602-SSXX

Lab Sample ID: 240-13643-47

Date Collected: 07/25/12 16:31

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 89.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52958	08/02/12 10:13	DE	TAL NC
Total/NA	Analysis	6010B		1	53436	08/06/12 20:28	BD	TAL NC
Total/NA	Analysis	6010B		5	53461	08/07/12 19:29	KC	TAL NC
Total/NA	Analysis	Moisture		1	52681	07/31/12 14:26	TH	TAL NC

Client Sample ID: LLI01-39SE-0006-SSXX

Lab Sample ID: 240-13643-48

Date Collected: 07/25/12 16:35

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 84.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52958	08/02/12 10:13	DE	TAL NC
Total/NA	Analysis	6010B		1	53436	08/06/12 21:08	BD	TAL NC
Total/NA	Analysis	6010B		5	53461	08/07/12 20:09	KC	TAL NC
Total/NA	Analysis	Moisture		1	52681	07/31/12 14:26	TH	TAL NC

Client Sample ID: LLI01-39SE-0205-SSXX

Lab Sample ID: 240-13643-49

Date Collected: 07/25/12 16:39

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 90.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52958	08/02/12 10:13	DE	TAL NC
Total/NA	Analysis	6010B		1	53436	08/06/12 21:14	BD	TAL NC
Total/NA	Analysis	6010B		5	53461	08/07/12 20:15	KC	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-39SE-0205-SSXX

Lab Sample ID: 240-13643-49

Date Collected: 07/25/12 16:39

Matrix: Solid

Date Received: 07/28/12 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	52681	07/31/12 14:26	TH	TAL NC

Client Sample ID: LLI01-39SE-0602-SSXX

Lab Sample ID: 240-13643-50

Date Collected: 07/25/12 16:40

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 94.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52958	08/02/12 10:13	DE	TAL NC
Total/NA	Analysis	6010B		1	53436	08/06/12 21:19	BD	TAL NC
Total/NA	Analysis	6010B		5	53461	08/07/12 20:20	KC	TAL NC
Total/NA	Analysis	Moisture		1	52681	07/31/12 14:26	TH	TAL NC

Client Sample ID: LLI01-DUP01-XXXX-SSFD

Lab Sample ID: 240-13643-53

Date Collected: 07/25/12 00:00

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 91.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52958	08/02/12 10:13	DE	TAL NC
Total/NA	Analysis	6010B		1	53436	08/06/12 21:25	BD	TAL NC
Total/NA	Analysis	6010B		5	53461	08/07/12 20:26	KC	TAL NC
Total/NA	Analysis	Moisture		1	52681	07/31/12 14:26	TH	TAL NC

Client Sample ID: LLI01-DUP02-XXXX-SSFD

Lab Sample ID: 240-13643-54

Date Collected: 07/25/12 00:00

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 87.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52958	08/02/12 10:13	DE	TAL NC
Total/NA	Analysis	6010B		1	53436	08/06/12 21:31	BD	TAL NC
Total/NA	Analysis	6010B		5	53461	08/07/12 20:32	KC	TAL NC
Total/NA	Analysis	Moisture		1	52681	07/31/12 14:26	TH	TAL NC

Client Sample ID: LLI01-DUP03-XXXX-SSFD

Lab Sample ID: 240-13643-55

Date Collected: 07/25/12 00:00

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 87.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52958	08/02/12 10:13	DE	TAL NC
Total/NA	Analysis	6010B		1	53436	08/06/12 21:36	BD	TAL NC
Total/NA	Analysis	Moisture		1	52681	07/31/12 14:26	TH	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Client Sample ID: LLI01-DUP04-XXXX-SSFD

Lab Sample ID: 240-13643-56

Date Collected: 07/25/12 00:00

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 81.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52958	08/02/12 10:13	DE	TAL NC
Total/NA	Analysis	6010B		1	53436	08/06/12 21:42	BD	TAL NC
Total/NA	Analysis	6010B		5	53461	08/07/12 20:38	KC	TAL NC
Total/NA	Analysis	Moisture		1	52681	07/31/12 14:26	TH	TAL NC

Laboratory References:

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

Certification Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13643-1

Laboratory: TestAmerica Canton

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

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAC	9	01144CA	06-30-13
Connecticut	State Program	1	PH-0590	12-31-13
Florida	NELAC	4	E87225	06-30-13
Georgia	State Program	4	N/A	06-30-13
Illinois	NELAC	5	200004	07-31-13
Kansas	NELAC	7	E-10336	01-31-13
Kentucky	State Program	4	58	11-16-12
L-A-B	DoD ELAP		L2315	02-28-13
Minnesota	NELAC	5	039-999-348	12-31-12
Nevada	State Program	9	OH-000482008A	07-31-12
New Jersey	NELAC	2	OH001	06-30-13
New York	NELAC	2	10975	04-01-13
Ohio VAP	State Program	5	CL0024	01-19-14
Pennsylvania	NELAC	3	68-00340	08-31-12
USDA	Federal		P330-11-00328	08-26-14
Virginia	NELAC	3	460175	09-14-12
Washington	State Program	10	C971	01-12-13
West Virginia DEP	State Program	3	210	12-31-12
Wisconsin	State Program	5	999518190	08-31-12

Chain of Custody Record

North Canton, OH

TestAmerica Laboratory location: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

Company Name: Amece		Client Contact: Mark Loeb		Lab Contact: —		COC No: 032970	
Address: 46850 Mapellan Dr.		Site Contact: —		Telephone: —		1 of 6 COCs	
City/State/Zip: Novi, MI 48377		Telephone: 330-966-9387		Telephone: —			
Phone: 248-926-4008		Email: Dan.Dyer@amece.com		Analysis Turnaround Time (in BUS days)			
Project Name: Laika Linden - HW		Method of Shipping/Carrier: FedEx		TAT if different from below			
Project Number: 3295111410		Shipping/Tracking No: —		3 weeks <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day <input type="checkbox"/>			
PO# Direct Bill to Honeywell							
Sample Identification		Matrix		Containers & Preservatives		Filtered Sample (Y/N)	
		Air <input type="checkbox"/> Sediment <input type="checkbox"/> Solid <input type="checkbox"/> Other: <input type="checkbox"/>		H2SO4 <input type="checkbox"/> HNO3 <input type="checkbox"/> HCl <input type="checkbox"/> NaOH <input type="checkbox"/> ZnAc <input type="checkbox"/> Uptres <input type="checkbox"/> Other: <input type="checkbox"/>			
Sample Date		Sample Time					
7/25/12		1155				G X X	
7/25/12		1158				G X X	
7/25/12		1203				G X X	
7/25/12		1232				G X X	
7/25/12		1208				G X X	
7/25/12		1210				G X X	
7/25/12		1212				G X X	
7/25/12		1236				G X X	
7/25/12		1249				G X X	
7/25/12		1250				G X X	
Possible Hazard Identification		Flammable <input type="checkbox"/> Non-Hazard <input checked="" type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/>		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
Special Instructions/OC Requirements & Comments:				<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For <input type="checkbox"/> Months			
Relinquished by: Garth		Company: Amece		Received by: FedEx		Date/Time: 7/27/12-12P	
Relinquished by:		Company:		Received by:		Date/Time:	
Relinquished by:		Company:		Received in Laboratory by: Chad		Date/Time: 7/28/12-0930	

Hold all Waste Characterization Samples.

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location:

Regulatory program:

☐ DW ☐ NPDES ☐ RCRA ☐ Other

 North Carolina
 North Carolina

Company Name: Amecc		Client Project Manager: Dan Dyer		Site Contact: Mark Laeb		Lab Contact: —		COC No: 022505	
Address: 46850 Magellan		Telephone: same		Telephone: 330-9166-9837		Telephone: —		COCs 2 of 6	
City/State/Zip: Novi, MI 48377		Email: dan.dyer@amecc.com		TAT if different from below		Analyses		Sample Specific Notes / Special Instructions:	
Phone: 248-926-4008		Method of Shipment/Carrier: Fed Ex		<input type="checkbox"/> 3 weeks <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Antimony, Arsenic, copper, lead Waste Characterization			
Project Name: HW Lake Linden		Shipping/Tracking No: 32A2111440		TAT if different from below <input type="checkbox"/> 3 weeks <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Antimony, Arsenic, copper, lead Waste Characterization		Sample Specific Notes / Special Instructions:	
PO# Direct Bill to HW									
Sample Identification		Sample Date		Sample Time		Matrix		Other	
						<input type="checkbox"/> Air <input type="checkbox"/> Aqueous <input type="checkbox"/> Sediment <input type="checkbox"/> Solid <input type="checkbox"/> Other:		<input type="checkbox"/> Unpres <input type="checkbox"/> NaOH <input type="checkbox"/> ZnAc <input type="checkbox"/> Other:	
LL101-49NE-0205-SSXX		7/25/12		1252		X		1	
LL101-49NW-0006-SSXX		7/25/12		1301		X		1	
LL101-49NW-0602-SSXX		7/25/12		1304		X		1	
LL101-49NW-0205-SSXX		7/25/12		1305		X		1	
LL101-49SW-0006-SSXX		7/25/12		1310		X		1	
LL101-49SW-0602-SSXX		7/25/12		1312		X		1	
LL101-49SW-0205-SSXX		7/25/12		1313		X		1	
LL101-49NW-0006-SSWC		7/25/12		1330		X		3	
LL101-49NW-0602-SSWC		7/25/12		1335		X		3	
LL101-49SE-0006-SSXX		7/25/12		1342		X		1	
Possible Hazard Identification		<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For		Months			
Special Instructions/OC Requirements & Comments: hold waste characterization									
Relinquished by:		Company:		Date/Time:		Received by:		Date/Time:	
		Amecc		7/27/12-12P		Fed Ex		7/27/12-12P	
Relinquished by:		Company:		Date/Time:		Received by:		Date/Time:	
Relinquished by:		Company:		Date/Time:		Received in Laboratory by:		Date/Time:	
								7/28/12-0930	

Chain of Custody Record

North Carolina OH

TestAmerica Laboratory location:
Regulatory program:

☐ DW ☐ NPDES ☐ RCRA ☐ Other

Client Contact Company Name: Amec Address: 46850 Magellan City/State/Zip: Novi, MI 48377 Phone: 248-926-4008 Project Name: HW LK. Linen Project Number: 329311/440 PO# Direct Bill to HW		Client Project Manager: Name: Dan Dyer Telephone: 248-926-4008 Email: dan-dyer@amec.com Method of Shipment/Carrier: FedEx Shipping/Tracking No:		Site Contact: Name: Mark Cobb Telephone: 330-966-9837 TAT if different from below: Standard TAT: <input type="checkbox"/> 3 weeks <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Lab Contact: Name: Mark Cobb Telephone: 330-966-9837 Email: dan-dyer@amec.com Method of Shipment/Carrier: FedEx Shipping/Tracking No:		TestAmerica Laboratories, Inc. COC No: 022506 Page: 3 of 6 COCs	
Sample Identification Sample ID: LL101-48SE-0602-SSXX Sample Date: 7/25/12 Sample Time: 1344		Analysis Analysis: Waste characterization, heavy metal, PCBs, PAHs, etc.		Sample Specific Notes / Special Instructions: None		Sample Disposal Disposal Method: Landfill Disposal Date: 7/25/12 Disposal Location: Landfill		Sample Disposal Disposal Method: Landfill Disposal Date: 7/25/12 Disposal Location: Landfill	
Sample Identification Sample ID: LL101-48SE-0205-SSXX Sample Date: 7/25/12 Sample Time: 1346		Analysis Analysis: Waste characterization, heavy metal, PCBs, PAHs, etc.		Sample Specific Notes / Special Instructions: None		Sample Disposal Disposal Method: Landfill Disposal Date: 7/25/12 Disposal Location: Landfill		Sample Disposal Disposal Method: Landfill Disposal Date: 7/25/12 Disposal Location: Landfill	
Sample Identification Sample ID: LL101-48SW-0006-SSXX Sample Date: 7/25/12 Sample Time: 1356		Analysis Analysis: Waste characterization, heavy metal, PCBs, PAHs, etc.		Sample Specific Notes / Special Instructions: None		Sample Disposal Disposal Method: Landfill Disposal Date: 7/25/12 Disposal Location: Landfill		Sample Disposal Disposal Method: Landfill Disposal Date: 7/25/12 Disposal Location: Landfill	
Sample Identification Sample ID: LL101-48SW-0602-SSXX Sample Date: 7/25/12 Sample Time: 1358		Analysis Analysis: Waste characterization, heavy metal, PCBs, PAHs, etc.		Sample Specific Notes / Special Instructions: None		Sample Disposal Disposal Method: Landfill Disposal Date: 7/25/12 Disposal Location: Landfill		Sample Disposal Disposal Method: Landfill Disposal Date: 7/25/12 Disposal Location: Landfill	
Sample Identification Sample ID: LL101-48SW-0602-SSMS Sample Date: 7/25/12 Sample Time: 1400		Analysis Analysis: Waste characterization, heavy metal, PCBs, PAHs, etc.		Sample Specific Notes / Special Instructions: None		Sample Disposal Disposal Method: Landfill Disposal Date: 7/25/12 Disposal Location: Landfill		Sample Disposal Disposal Method: Landfill Disposal Date: 7/25/12 Disposal Location: Landfill	
Sample Identification Sample ID: LL101-48SW-0602-SSMP Sample Date: 7/25/12 Sample Time: 1400		Analysis Analysis: Waste characterization, heavy metal, PCBs, PAHs, etc.		Sample Specific Notes / Special Instructions: None		Sample Disposal Disposal Method: Landfill Disposal Date: 7/25/12 Disposal Location: Landfill		Sample Disposal Disposal Method: Landfill Disposal Date: 7/25/12 Disposal Location: Landfill	
Sample Identification Sample ID: LL101-48SW-0205-SSXX Sample Date: 7/25/12 Sample Time: 1403		Analysis Analysis: Waste characterization, heavy metal, PCBs, PAHs, etc.		Sample Specific Notes / Special Instructions: None		Sample Disposal Disposal Method: Landfill Disposal Date: 7/25/12 Disposal Location: Landfill		Sample Disposal Disposal Method: Landfill Disposal Date: 7/25/12 Disposal Location: Landfill	
Sample Identification Sample ID: LL101-48SW-0006-SSWC Sample Date: 7/25/12 Sample Time: 1413		Analysis Analysis: Waste characterization, heavy metal, PCBs, PAHs, etc.		Sample Specific Notes / Special Instructions: None		Sample Disposal Disposal Method: Landfill Disposal Date: 7/25/12 Disposal Location: Landfill		Sample Disposal Disposal Method: Landfill Disposal Date: 7/25/12 Disposal Location: Landfill	
Sample Identification Sample ID: LL101-48SW-0602-SSWC Sample Date: 7/25/12 Sample Time: 1416		Analysis Analysis: Waste characterization, heavy metal, PCBs, PAHs, etc.		Sample Specific Notes / Special Instructions: None		Sample Disposal Disposal Method: Landfill Disposal Date: 7/25/12 Disposal Location: Landfill		Sample Disposal Disposal Method: Landfill Disposal Date: 7/25/12 Disposal Location: Landfill	
Sample Identification Sample ID: LL101-40NE-0006-SSXX Sample Date: 7/25/12 Sample Time: 1514		Analysis Analysis: Waste characterization, heavy metal, PCBs, PAHs, etc.		Sample Specific Notes / Special Instructions: None		Sample Disposal Disposal Method: Landfill Disposal Date: 7/25/12 Disposal Location: Landfill		Sample Disposal Disposal Method: Landfill Disposal Date: 7/25/12 Disposal Location: Landfill	

Hold all waste characterization samples.

Relinquished by: Name: Amec Date/Time: 7/27/12/12P	Received by: Name: FedEx Date/Time: 7/27/12-12P
Relinquished by: Name: Amec Date/Time: 7/27/12/12P	Received by: Name: FedEx Date/Time: 7/27/12-12P
Relinquished by: Name: Amec Date/Time: 7/27/12/12P	Received by: Name: FedEx Date/Time: 7/27/12-12P

Chain of Custody Record

North Canton, OH

TestAmerica Laboratory location:
Regulatory program:

☐ DW ☐ NPDES ☐ RCRA ☐ Other

Client Contact		Company Name: Anee		Client Project Manager: Don Dyer		Site Contact: Mark Leeb		Lab Contact: -		COC No: 043380		TestAmerica Laboratories, Inc.	
Address: 46850 Mapellan		Telephone: 500		Telephone: 330-966-9837		Telephone: -		Telephone: -		COCs			
City/State/Zip: Nori, MI 48377		Email: don.dyer@amee.com		Analysis Turnaround Time (TAT) if different from below: Donated		Analysis Turnaround Time (TAT) if different from below: Donated		Analysis Turnaround Time (TAT) if different from below: Donated		Analysis Turnaround Time (TAT) if different from below: Donated			
Phone: 248-926-4008		Email: don.dyer@amee.com		TAT if different from below: Donated		TAT if different from below: Donated		TAT if different from below: Donated		TAT if different from below: Donated			
Project Name: HW LK-Linder		Method of shipment/Carrier: FedEx		TAT if different from below: Donated		TAT if different from below: Donated		TAT if different from below: Donated		TAT if different from below: Donated			
Project Number: 329311440		Shipping/Tracking No: -		TAT if different from below: Donated		TAT if different from below: Donated		TAT if different from below: Donated		TAT if different from below: Donated			
PO# Direct Bill to HW				TAT if different from below: Donated		TAT if different from below: Donated		TAT if different from below: Donated		TAT if different from below: Donated			
Sample Identification		Sample Date		Sample Time		Matrix		Containers & Preservatives		Filtered Sample (X/No)		Sample Specific Notes / Special Instructions:	
LL101-40NE-0602-SSXX		7/25/12		1516		X		X		X		Waste characterization	
LL101-40NE-0205-SSXX		7/25/12		1520		X		X		X		Waste characterization	
LL101-40NW-0006-SSXX		7/25/12		1528		X		X		X		Waste characterization	
LL101-40NW-0602-SSXX		7/25/12		1530		X		X		X		Waste characterization	
LL101-40NW-0205-SSXX		7/25/12		1531		X		X		X		Waste characterization	
LL101-40SW-0006-SSXX		7/25/12		1535		X		X		X		Waste characterization	
LL101-40SW-0602-SSXX		7/25/12		1537		X		X		X		Waste characterization	
LL101-40SW-0205-SSXX		7/25/12		1538		X		X		X		Waste characterization	
LL101-40NW-0006-SSWC		7/25/12		1555		X		X		X		Waste characterization	
LL101-40NW-0602-SSWC		7/25/12		1557		X		X		X		Waste characterization	
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		Return to Client		Disposal By Lab		Archive For		Months					
Relinquished by: [Signature]		Date/Time: 7/27/12-12P		Received by: FedEx		Date/Time: 7/27/12-12P		Company: -		Date/Time: 7/27/12-12P		Company: -	
Relinquished by: [Signature]		Date/Time: 7/27/12-12P		Received by: FedEx		Date/Time: 7/27/12-12P		Company: -		Date/Time: 7/27/12-12P		Company: -	
Relinquished by: [Signature]		Date/Time: 7/27/12-12P		Received by: FedEx		Date/Time: 7/27/12-12P		Company: -		Date/Time: 7/27/12-12P		Company: -	

Hold all Waste Characterization Samples

Chain of Custody Record

TestAmerica Laboratory location: Nash Carter, OH
Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

Client Contact Company Name: <u>Amece</u> Address: <u>46850 Mayfield</u> City/State/Zip: <u>Novi MI 48377</u> Phone: <u>248-926-4008</u> Project Name: <u>HW UK Linden</u> Project Number: <u>329311440</u> PO #: <u>Direct Bill to HW</u>		Client Project Manager: Name: <u>Dan Dyer</u> Telephone: <u>248-926-4008</u> Email: <u>Dan.Dyer@amece.com</u> Method of Shipment/Carrier: <u>FedEx</u> Shipping/Tracking No:		Site Contact: Name: <u>Mark Leeb</u> Telephone: <u>330-966-9837</u>		Lab Contact: Name: <u>Mark Leeb</u> Telephone:		COC No: <u>043381</u> of <u>6</u> COCs	
Sample Identification Sample ID: <u>LL101-39SW-0006-SSXX</u> Sample Date: <u>7/25/12</u> Sample Time: <u>1608</u> Sample ID: <u>LL101-39SW-0602-SSXX</u> Sample Date: <u>7/25/12</u> Sample Time: <u>1612</u> Sample ID: <u>LL101-39SW-0205-SSXX</u> Sample Date: <u>7/25/12</u> Sample Time: <u>1614</u> Sample ID: <u>LL101-39NW-0006-SSXX</u> Sample Date: <u>7/25/12</u> Sample Time: <u>1620</u> Sample ID: <u>LL101-39NW-0205-SSXX</u> Sample Date: <u>7/25/12</u> Sample Time: <u>1621</u> Sample ID: <u>LL101-39NW-0602-SSXX</u> Sample Date: <u>7/25/12</u> Sample Time: <u>1622</u> Sample ID: <u>LL101-39NE-0006-SSXX</u> Sample Date: <u>7/25/12</u> Sample Time: <u>1628</u> Sample ID: <u>LL101-39NE-0205-SSXX</u> Sample Date: <u>7/25/12</u> Sample Time: <u>1630</u> Sample ID: <u>LL101-39NE-0602-SSXX</u> Sample Date: <u>7/25/12</u> Sample Time: <u>1631</u> Sample ID: <u>LL101-39NE-0602-SSMS</u> Sample Date: <u>7/25/12</u> Sample Time: <u>1632</u>		Matrix Air <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Sediment <input type="checkbox"/> Other: <input type="checkbox"/> Containers & Preservatives H2SO4 <input type="checkbox"/> HNO3 <input type="checkbox"/> HCl <input type="checkbox"/> NaOH <input type="checkbox"/> ZnAc <input type="checkbox"/> H2O2 <input type="checkbox"/> Other: <input type="checkbox"/> Analysis Turnaround Time (in BUS days) TAT if different from below: <input type="checkbox"/> 3 weeks <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Analyses For lab use only: <input type="checkbox"/> Wait at client: <input type="checkbox"/> Lab pickup: <input type="checkbox"/> Lab sampling: <input type="checkbox"/> Job SDG No:		Sample Specific Notes / Special Instructions: Waste characterization: <u>Antimony, Arsenic, copper, van, lead</u> Composite / Grab: <u>Grab</u>			
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input checked="" type="checkbox"/> Return to Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months									
Special Instructions/QC Requirements & Comments:									
Relinquished by: <u>[Signature]</u> Company: <u>Amece</u> Date/Time: <u>7/23/12-12P</u>		Received by: <u>FedEx</u> Company: <u>FedEx</u> Date/Time: <u>7/23/12-12P</u>		Relinquished by: <u>[Signature]</u> Company: <u>Amece</u> Date/Time: <u>7/23/12-12P</u>		Received by: <u>FedEx</u> Company: <u>FedEx</u> Date/Time: <u>7/23/12-12P</u>		Relinquished by: <u>[Signature]</u> Company: <u>Amece</u> Date/Time: <u>7/23/12-12P</u>	
Relinquished by: <u>[Signature]</u> Company: <u>Amece</u> Date/Time: <u>7/23/12-12P</u>		Received by: <u>FedEx</u> Company: <u>FedEx</u> Date/Time: <u>7/23/12-12P</u>		Relinquished by: <u>[Signature]</u> Company: <u>Amece</u> Date/Time: <u>7/23/12-12P</u>		Received by: <u>FedEx</u> Company: <u>FedEx</u> Date/Time: <u>7/23/12-12P</u>		Relinquished by: <u>[Signature]</u> Company: <u>Amece</u> Date/Time: <u>7/23/12-12P</u>	

TestAmerica North Canton Sample Receipt Form/Narrative

Login # : 13443

Client AMEC Site Name Hwy Lake Linden By: Ch J
Cooler Received on 7/28/12 Opened on 7-30-12 (Signature)FedEx: 1st Grd Exp UPS FAS Stetson Client Drop Off TestAmerica Courier Other
TestAmerica Cooler # _____ Foam Box Client Cooler Box Other Multiple
Packing material used: Bubble Wrap Foam Plastic Bag None Other
COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# 1	(CF 0°C)	Observed Sample Temp. _____ °C	Corrected Sample Temp. _____ °C
IR GUN# 4G	(CF -1°C)	Observed Sample Temp. _____ °C	Corrected Sample Temp. _____ °C
IR GUN# 5G	(CF -1°C)	Observed Sample Temp. _____ °C	Corrected Sample Temp. _____ °C
IR GUN# 8	(CF 0°C)	Observed Sample Temp. _____ °C	Corrected Sample Temp. _____ °C

Multiple
on Back

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity _____

Yes No

-Were custody seals on the outside of the cooler(s) signed & dated?

Yes No NA

-Were custody seals on the bottle(s)?

Yes No

3. Shippers' packing slip attached to the cooler(s)?

Yes No

4. Did custody papers accompany the sample(s)?

Yes No

5. Were the custody papers relinquished & signed in the appropriate place?

Yes No

6. Did all bottles arrive in good condition (Unbroken)?

Yes No

7. Could all bottle labels be reconciled with the COC?

Yes No

8. Were correct bottle(s) used for the test(s) indicated?

Yes No

9. Sufficient quantity received to perform indicated analyses?

Yes No

10. Were sample(s) at the correct pH upon receipt?

Yes No NA

11. Were VOAs on the COC?

Yes No

12. Were air bubbles >6 mm in any VOA vials?

Yes No NA

13. Was a trip blank present in the cooler(s)?

Yes NoContacted PM _____ Date _____ by _____ via Verbal Voice Mail Other
Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Login Sample Receipt Checklist

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-13643-1

Login Number: 13643

List Source: TestAmerica Canton

List Number: 1

Creator: Livengood, Chris

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Canton

4101 Shuffel Street NW

North Canton, OH 44720

Tel: (330)497-9396

TestAmerica Job ID: 240-13653-1

Client Project/Site: Lake Linden

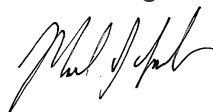
For:

AMEC Environment & Infrastructure, Inc.

46850 Magellan Drive, Suite 190

Novi, Michigan 48377

Attn: Doug Saigh



Authorized for release by:

8/13/2012 4:30:37 PM

Mark Loeb

Project Manager II

mark.loeb@testamericainc.com

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

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



Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Method Summary	7
Sample Summary	8
Detection Summary	10
Client Sample Results	24
QC Sample Results	111
QC Association Summary	115
Lab Chronicle	123
Certification Summary	141
Chain of Custody	142
Receipt Checklists	156

Definitions/Glossary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Qualifiers

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.
F	MS or MSD exceeds the control limits
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
F	RPD of the MS and MSD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Job ID: 240-13653-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: AMEC Environment & Infrastructure, Inc.

Project: Lake Linden

Report Number: 240-13653-1

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

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

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

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

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

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

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

RECEIPT

The samples were received on 07/28/2012; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 2.3, 2.8 and 3.3 C.

TOTAL METALS (ICP)

Samples LLI01-05NW-0006-SSXX (240-13653-1), LLI01-05NW-0602-SSXX (240-13653-2), LLI01-05NW-0205-SSXX (240-13653-3), LLI01-05SE-0006-SSXX (240-13653-4), LLI01-05SE-0602-SSXX (240-13653-5), LLI01-05SE-0205-SSXX (240-13653-6), LLI01-05NE-0006-SSXX (240-13653-7), LLI01-05NE-0602-SSXX (240-13653-8), LLI01-05NE-0205-SSXX (240-13653-9), LLI01-02NW-0006-SSXX (240-13653-12), LLI01-02NW-0602-SSXX (240-13653-13), LLI01-02NW-0205-SSXX (240-13653-14), LLI01-02NE-0006-SSXX (240-13653-15), LLI01-02NE-0602-SSXX (240-13653-16), LLI01-02NE-0205-SSXX (240-13653-17), LLI01-03NW-0006-SSXX (240-13653-20), LLI01-03NW-0602-SSXX (240-13653-21), LLI01-03NW-0205-SSXX (240-13653-22), LLI01-09NW-0006-SSXX (240-13653-25), LLI01-09NW-0602-SSXX (240-13653-26), LLI01-09NW-0205-SSXX (240-13653-27), LLI01-08SW-0006-SSXX (240-13653-30), LLI01-08SW-0602-SSXX (240-13653-31), LLI01-08SW-0205-SSXX (240-13653-32), LLI01-08NW-0006-SSXX (240-13653-33), LLI01-08NW-0602-SSXX (240-13653-34), LLI01-08NW-0205-SSXX (240-13653-35), LLI01-08SE-0006-SSXX (240-13653-36), LLI01-08SE-0602-SSXX (240-13653-37), LLI01-08SE-0205-SSXX (240-13653-38), LLI01-08NE-0006-SSXX (240-13653-39), LLI01-08NE-0602-SSXX (240-13653-40), LLI01-08NE-0205-SSXX (240-13653-41), LLI01-06SE-0006-SSXX (240-13653-44), LLI01-06SE-0602-SSXX (240-13653-45), LLI01-06SE-0205-SSXX (240-13653-46), LLI01-06NE-0006-SSXX (240-13653-47), LLI01-06NE-0602-SSXX (240-13653-48), LLI01-06NE-0205-SSXX (240-13653-49), LLI01-06NW-0006-SSXX (240-13653-50), LLI01-06NW-0602-SSXX (240-13653-51), LLI01-06NW-0205-SSXX (240-13653-52),

Case Narrative

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Job ID: 240-13653-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

LLI01-06SW-0006-SSXX (240-13653-53), LLI01-06SW-0602-SSXX (240-13653-54), LLI01-06SW-0205-SSXX (240-13653-55), LLI01-07SW-0006-SSXX (240-13653-58), LLI01-07SW-0602-SSXX (240-13653-59), LLI01-07SW-0205-SSXX (240-13653-60), LLI01-07NW-0006-SSXX (240-13653-61), LLI01-07NW-0602-SSXX (240-13653-62), LLI01-07NW-0205-SSXX (240-13653-63), LLI01-07SE-0006-SSXX (240-13653-64), LLI01-07SE-0602-SSXX (240-13653-65), LLI01-07SE-0205-SSXX (240-13653-66), LLI01-07NE-0006-SSXX (240-13653-67), LLI01-07NE-0602-SSXX (240-13653-68), LLI01-07NE-0205-SSXX (240-13653-69), LLI01-12NE-0006-SSXX (240-13653-72), LLI01-12NE-0602-SSXX (240-13653-73), LLI01-12NE-0205-SSXX (240-13653-74), LLI01-12SE-0006-SSXX (240-13653-75), LLI01-12SE-0602-SSXX (240-13653-76), LLI01-12SE-0205-SSXX (240-13653-77), LLI01-12SW-0006-SSXX (240-13653-78), LLI01-12SW-0602-SSXX (240-13653-79), LLI01-12SW-0205-SSXX (240-13653-80), LLI01-12NW-0006-SSXX (240-13653-81), LLI01-12NW-0602-SSXX (240-13653-82), LLI01-12NW-0205-SSXX (240-13653-83), LLI01-13NW-0006-SSXX (240-13653-86), LLI01-13NW-0602-SSXX (240-13653-87), LLI01-13NW-0205-SSXX (240-13653-88), LLI01-13SW-0006-SSXX (240-13653-89), LLI01-13SW-0602-SSXX (240-13653-90), LLI01-13SW-0205-SSXX (240-13653-91), LLI01-13SE-0006-SSXX (240-13653-92), LLI01-13SE-0602-SSXX (240-13653-93), LLI01-13SE-0205-SSXX (240-13653-94), LLI01-13NE-0006-SSXX (240-13653-95), LLI01-13NE-0602-SSXX (240-13653-96), LLI01-13NE-0205-SSXX (240-13653-97), LLI01-DP05-XXXX-SSFD (240-13653-100), LLI01-DP06-XXXX-SSFD (240-13653-101), LLI01-DP07-XXXX-SSFD (240-13653-102), LLI01-DP08-XXXX-SSFD (240-13653-103), LLI01-DP09-XXXX-SSFD (240-13653-104) and LLI01-DP10-XXXX-SSFD (240-13653-105) were analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 08/02/2012 and 08/03/2012 and analyzed on 08/06/2012, 08/07/2012, 08/08/2012 and 08/09/2012.

Antimony was detected in method blanks MB 240-52958/1-A and MB 240-53023/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

Antimony, Copper and Iron failed the recovery criteria low for the MS and MSD of sample LLI01-03NW-0602-SSXX (240-13653-21) in batch 240-53461.

Antimony failed the recovery criteria low for the MS and MSD of sample LLI01-06NW-0205-SSXX (240-13653-52) in batch 240-53790. Iron failed the recovery criteria high. Also, Antimony exceeded the rpd limit.

Antimony and Iron failed the recovery criteria low for the MS and MSD of sample LLI01-12NW-0602-SSXX (240-13653-82) in batch 240-53436. Copper failed the recovery criteria high in the MS.

Antimony and Iron failed the recovery criteria low for the MS of sample LLI01-13NW-0205-SSXX (240-13653-88) in batch 240-53790. Antimony failed the recovery criteria low for the MSD of sample LLI01-13NW-0205-SSXXMSD (240-13653-88) in batch 240-53790.

The presence of the '4' qualifier in the data indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount. Refer to the QC report for details.

Samples LLI01-02NW-0205-SSXX (240-13653-14)[5X], LLI01-08NW-0205-SSXX (240-13653-35)[5X], LLI01-07NE-0205-SSXX (240-13653-69)[5X] and LLI01-DP09-XXXX-SSFD (240-13653-104)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The following sample(s) was diluted due to the nature of the sample matrix: LLI01-07NE-0205-SSXX (240-13653-69). Elevated reporting limits (RLs) are provided.

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

PERCENT SOLIDS

Samples LLI01-05NW-0006-SSXX (240-13653-1), LLI01-05NW-0602-SSXX (240-13653-2), LLI01-05NW-0205-SSXX (240-13653-3), LLI01-05SE-0006-SSXX (240-13653-4), LLI01-05SE-0602-SSXX (240-13653-5), LLI01-05SE-0205-SSXX (240-13653-6), LLI01-05NE-0006-SSXX (240-13653-7), LLI01-05NE-0602-SSXX (240-13653-8), LLI01-05NE-0205-SSXX (240-13653-9), LLI01-02NW-0006-SSXX (240-13653-12), LLI01-02NW-0602-SSXX (240-13653-13), LLI01-02NW-0205-SSXX (240-13653-14), LLI01-02NE-0006-SSXX (240-13653-15), LLI01-02NE-0602-SSXX (240-13653-16), LLI01-02NE-0205-SSXX (240-13653-17), LLI01-03NW-0006-SSXX (240-13653-20), LLI01-03NW-0602-SSXX (240-13653-21), LLI01-03NW-0205-SSXX (240-13653-22), LLI01-09NW-0006-SSXX (240-13653-25), LLI01-09NW-0602-SSXX (240-13653-26), LLI01-09NW-0205-SSXX (240-13653-27), LLI01-08SW-0006-SSXX (240-13653-30), LLI01-08SW-0602-SSXX (240-13653-31), LLI01-08SW-0205-SSXX (240-13653-32),

Case Narrative

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Job ID: 240-13653-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

LLI01-08NW-0006-SSXX (240-13653-33), LLI01-08NW-0602-SSXX (240-13653-34), LLI01-08NW-0205-SSXX (240-13653-35), LLI01-08SE-0006-SSXX (240-13653-36), LLI01-08SE-0602-SSXX (240-13653-37), LLI01-08SE-0205-SSXX (240-13653-38), LLI01-08NE-0006-SSXX (240-13653-39), LLI01-08NE-0602-SSXX (240-13653-40), LLI01-08NE-0205-SSXX (240-13653-41), LLI01-06SE-0006-SSXX (240-13653-44), LLI01-06SE-0602-SSXX (240-13653-45), LLI01-06SE-0205-SSXX (240-13653-46), LLI01-06NE-0006-SSXX (240-13653-47), LLI01-06NE-0602-SSXX (240-13653-48), LLI01-06NE-0205-SSXX (240-13653-49), LLI01-06NW-0006-SSXX (240-13653-50), LLI01-06NW-0602-SSXX (240-13653-51), LLI01-06NW-0205-SSXX (240-13653-52), LLI01-06SW-0006-SSXX (240-13653-53), LLI01-06SW-0602-SSXX (240-13653-54), LLI01-06SW-0205-SSXX (240-13653-55), LLI01-07SW-0006-SSXX (240-13653-58), LLI01-07SW-0602-SSXX (240-13653-59), LLI01-07SW-0205-SSXX (240-13653-60), LLI01-07NW-0006-SSXX (240-13653-61), LLI01-07NW-0602-SSXX (240-13653-62), LLI01-07NW-0205-SSXX (240-13653-63), LLI01-07SE-0006-SSXX (240-13653-64), LLI01-07SE-0602-SSXX (240-13653-65), LLI01-07SE-0205-SSXX (240-13653-66), LLI01-07NE-0006-SSXX (240-13653-67), LLI01-07NE-0602-SSXX (240-13653-68), LLI01-07NE-0205-SSXX (240-13653-69), LLI01-12NE-0006-SSXX (240-13653-72), LLI01-12NE-0602-SSXX (240-13653-73), LLI01-12NE-0205-SSXX (240-13653-74), LLI01-12SE-0006-SSXX (240-13653-75), LLI01-12SE-0602-SSXX (240-13653-76), LLI01-12SE-0205-SSXX (240-13653-77), LLI01-12SW-0006-SSXX (240-13653-78), LLI01-12SW-0602-SSXX (240-13653-79), LLI01-12SW-0205-SSXX (240-13653-80), LLI01-12NW-0006-SSXX (240-13653-81), LLI01-12NW-0602-SSXX (240-13653-82), LLI01-12NW-0205-SSXX (240-13653-83), LLI01-13NW-0006-SSXX (240-13653-86), LLI01-13NW-0602-SSXX (240-13653-87), LLI01-13NW-0205-SSXX (240-13653-88), LLI01-13SW-0006-SSXX (240-13653-89), LLI01-13SW-0602-SSXX (240-13653-90), LLI01-13SW-0205-SSXX (240-13653-91), LLI01-13SE-0006-SSXX (240-13653-92), LLI01-13SE-0602-SSXX (240-13653-93), LLI01-13SE-0205-SSXX (240-13653-94), LLI01-13NE-0006-SSXX (240-13653-95), LLI01-13NE-0602-SSXX (240-13653-96), LLI01-13NE-0205-SSXX (240-13653-97), LLI01-DP05-XXXX-SSFD (240-13653-100), LLI01-DP06-XXXX-SSFD (240-13653-101), LLI01-DP07-XXXX-SSFD (240-13653-102), LLI01-DP08-XXXX-SSFD (240-13653-103), LLI01-DP09-XXXX-SSFD (240-13653-104) and LLI01-DP10-XXXX-SSFD (240-13653-105) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 08/01/2012.

Percent Moisture exceeded the rpd limit for the duplicates of samples LLI01-03NW-0602-SSXXDU (240-13653-21), LLI01-08SW-0602-SSXXDU (240-13653-31), LLI01-06NE-0205-SSXXDU (240-13653-49), and LLI01-06NW-0205-SSXXDU (240-13653-52). Refer to the QC report for details.

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

Method Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

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

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Sample Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-13653-1	LLI01-05NW-0006-SSXX	Solid	07/26/12 08:45	07/28/12 09:30
240-13653-2	LLI01-05NW-0602-SSXX	Solid	07/26/12 08:47	07/28/12 09:30
240-13653-3	LLI01-05NW-0205-SSXX	Solid	07/26/12 08:49	07/28/12 09:30
240-13653-4	LLI01-05SE-0006-SSXX	Solid	07/26/12 08:58	07/28/12 09:30
240-13653-5	LLI01-05SE-0602-SSXX	Solid	07/26/12 08:59	07/28/12 09:30
240-13653-6	LLI01-05SE-0205-SSXX	Solid	07/26/12 09:01	07/28/12 09:30
240-13653-7	LLI01-05NE-0006-SSXX	Solid	07/26/12 09:08	07/28/12 09:30
240-13653-8	LLI01-05NE-0602-SSXX	Solid	07/26/12 09:09	07/28/12 09:30
240-13653-9	LLI01-05NE-0205-SSXX	Solid	07/26/12 09:10	07/28/12 09:30
240-13653-12	LLI01-02NW-0006-SSXX	Solid	07/26/12 09:34	07/28/12 09:30
240-13653-13	LLI01-02NW-0602-SSXX	Solid	07/26/12 09:35	07/28/12 09:30
240-13653-14	LLI01-02NW-0205-SSXX	Solid	07/26/12 09:36	07/28/12 09:30
240-13653-15	LLI01-02NE-0006-SSXX	Solid	07/26/12 09:45	07/28/12 09:30
240-13653-16	LLI01-02NE-0602-SSXX	Solid	07/26/12 09:46	07/28/12 09:30
240-13653-17	LLI01-02NE-0205-SSXX	Solid	07/26/12 09:47	07/28/12 09:30
240-13653-20	LLI01-03NW-0006-SSXX	Solid	07/26/12 10:09	07/28/12 09:30
240-13653-21	LLI01-03NW-0602-SSXX	Solid	07/26/12 10:12	07/28/12 09:30
240-13653-22	LLI01-03NW-0205-SSXX	Solid	07/26/12 10:15	07/28/12 09:30
240-13653-25	LLI01-09NW-0006-SSXX	Solid	07/26/12 11:44	07/28/12 09:30
240-13653-26	LLI01-09NW-0602-SSXX	Solid	07/26/12 11:45	07/28/12 09:30
240-13653-27	LLI01-09NW-0205-SSXX	Solid	07/26/12 11:46	07/28/12 09:30
240-13653-30	LLI01-08SW-0006-SSXX	Solid	07/26/12 12:04	07/28/12 09:30
240-13653-31	LLI01-08SW-0602-SSXX	Solid	07/26/12 12:06	07/28/12 09:30
240-13653-32	LLI01-08SW-0205-SSXX	Solid	07/26/12 12:07	07/28/12 09:30
240-13653-33	LLI01-08NW-0006-SSXX	Solid	07/26/12 12:11	07/28/12 09:30
240-13653-34	LLI01-08NW-0602-SSXX	Solid	07/26/12 12:12	07/28/12 09:30
240-13653-35	LLI01-08NW-0205-SSXX	Solid	07/26/12 12:14	07/28/12 09:30
240-13653-36	LLI01-08SE-0006-SSXX	Solid	07/26/12 12:20	07/28/12 09:30
240-13653-37	LLI01-08SE-0602-SSXX	Solid	07/26/12 12:21	07/28/12 09:30
240-13653-38	LLI01-08SE-0205-SSXX	Solid	07/26/12 12:22	07/28/12 09:30
240-13653-39	LLI01-08NE-0006-SSXX	Solid	07/26/12 12:25	07/28/12 09:30
240-13653-40	LLI01-08NE-0602-SSXX	Solid	07/26/12 12:26	07/28/12 09:30
240-13653-41	LLI01-08NE-0205-SSXX	Solid	07/26/12 12:27	07/28/12 09:30
240-13653-44	LLI01-06SE-0006-SSXX	Solid	07/26/12 12:52	07/28/12 09:30
240-13653-45	LLI01-06SE-0602-SSXX	Solid	07/26/12 12:53	07/28/12 09:30
240-13653-46	LLI01-06SE-0205-SSXX	Solid	07/26/12 12:54	07/28/12 09:30
240-13653-47	LLI01-06NE-0006-SSXX	Solid	07/26/12 13:06	07/28/12 09:30
240-13653-48	LLI01-06NE-0602-SSXX	Solid	07/26/12 13:07	07/28/12 09:30
240-13653-49	LLI01-06NE-0205-SSXX	Solid	07/26/12 13:08	07/28/12 09:30
240-13653-50	LLI01-06NW-0006-SSXX	Solid	07/26/12 13:18	07/28/12 09:30
240-13653-51	LLI01-06NW-0602-SSXX	Solid	07/26/12 13:19	07/28/12 09:30
240-13653-52	LLI01-06NW-0205-SSXX	Solid	07/26/12 13:20	07/28/12 09:30
240-13653-53	LLI01-06SW-0006-SSXX	Solid	07/26/12 13:25	07/28/12 09:30
240-13653-54	LLI01-06SW-0602-SSXX	Solid	07/26/12 13:26	07/28/12 09:30
240-13653-55	LLI01-06SW-0205-SSXX	Solid	07/26/12 13:27	07/28/12 09:30
240-13653-58	LLI01-07SW-0006-SSXX	Solid	07/26/12 13:48	07/28/12 09:30
240-13653-59	LLI01-07SW-0602-SSXX	Solid	07/26/12 13:49	07/28/12 09:30
240-13653-60	LLI01-07SW-0205-SSXX	Solid	07/26/12 13:50	07/28/12 09:30
240-13653-61	LLI01-07NW-0006-SSXX	Solid	07/26/12 13:56	07/28/12 09:30
240-13653-62	LLI01-07NW-0602-SSXX	Solid	07/26/12 13:57	07/28/12 09:30
240-13653-63	LLI01-07NW-0205-SSXX	Solid	07/26/12 13:58	07/28/12 09:30
240-13653-64	LLI01-07SE-0006-SSXX	Solid	07/26/12 14:04	07/28/12 09:30
240-13653-65	LLI01-07SE-0602-SSXX	Solid	07/26/12 14:05	07/28/12 09:30
240-13653-66	LLI01-07SE-0205-SSXX	Solid	07/26/12 14:06	07/28/12 09:30

Sample Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-13653-67	LLI01-07NE-0006-SSXX	Solid	07/26/12 14:15	07/28/12 09:30
240-13653-68	LLI01-07NE-0602-SSXX	Solid	07/26/12 14:16	07/28/12 09:30
240-13653-69	LLI01-07NE-0205-SSXX	Solid	07/26/12 14:17	07/28/12 09:30
240-13653-72	LLI01-12NE-0006-SSXX	Solid	07/26/12 14:36	07/28/12 09:30
240-13653-73	LLI01-12NE-0602-SSXX	Solid	07/26/12 14:37	07/28/12 09:30
240-13653-74	LLI01-12NE-0205-SSXX	Solid	07/26/12 14:38	07/28/12 09:30
240-13653-75	LLI01-12SE-0006-SSXX	Solid	07/26/12 14:46	07/28/12 09:30
240-13653-76	LLI01-12SE-0602-SSXX	Solid	07/26/12 14:47	07/28/12 09:30
240-13653-77	LLI01-12SE-0205-SSXX	Solid	07/26/12 14:48	07/28/12 09:30
240-13653-78	LLI01-12SW-0006-SSXX	Solid	07/26/12 14:54	07/28/12 09:30
240-13653-79	LLI01-12SW-0602-SSXX	Solid	07/26/12 14:55	07/28/12 09:30
240-13653-80	LLI01-12SW-0205-SSXX	Solid	07/26/12 14:56	07/28/12 09:30
240-13653-81	LLI01-12NW-0006-SSXX	Solid	07/26/12 15:00	07/28/12 09:30
240-13653-82	LLI01-12NW-0602-SSXX	Solid	07/26/12 15:01	07/28/12 09:30
240-13653-83	LLI01-12NW-0205-SSXX	Solid	07/26/12 15:04	07/28/12 09:30
240-13653-86	LLI01-13NW-0006-SSXX	Solid	07/26/12 15:21	07/28/12 09:30
240-13653-87	LLI01-13NW-0602-SSXX	Solid	07/26/12 15:22	07/28/12 09:30
240-13653-88	LLI01-13NW-0205-SSXX	Solid	07/26/12 15:23	07/28/12 09:30
240-13653-89	LLI01-13SW-0006-SSXX	Solid	07/26/12 15:39	07/28/12 09:30
240-13653-90	LLI01-13SW-0602-SSXX	Solid	07/26/12 15:40	07/28/12 09:30
240-13653-91	LLI01-13SW-0205-SSXX	Solid	07/26/12 15:41	07/28/12 09:30
240-13653-92	LLI01-13SE-0006-SSXX	Solid	07/26/12 15:51	07/28/12 09:30
240-13653-93	LLI01-13SE-0602-SSXX	Solid	07/26/12 15:52	07/28/12 09:30
240-13653-94	LLI01-13SE-0205-SSXX	Solid	07/26/12 15:53	07/28/12 09:30
240-13653-95	LLI01-13NE-0006-SSXX	Solid	07/26/12 15:59	07/28/12 09:30
240-13653-96	LLI01-13NE-0602-SSXX	Solid	07/26/12 16:00	07/28/12 09:30
240-13653-97	LLI01-13NE-0205-SSXX	Solid	07/26/12 16:01	07/28/12 09:30
240-13653-100	LLI01-DP05-XXXX-SSFD	Solid	07/26/12 00:00	07/28/12 09:30
240-13653-101	LLI01-DP06-XXXX-SSFD	Solid	07/26/12 00:00	07/28/12 09:30
240-13653-102	LLI01-DP07-XXXX-SSFD	Solid	07/26/12 00:00	07/28/12 09:30
240-13653-103	LLI01-DP08-XXXX-SSFD	Solid	07/26/12 00:00	07/28/12 09:30
240-13653-104	LLI01-DP09-XXXX-SSFD	Solid	07/26/12 00:00	07/28/12 09:30
240-13653-105	LLI01-DP10-XXXX-SSFD	Solid	07/26/12 00:00	07/28/12 09:30

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-05NW-0006-SSXX

Lab Sample ID: 240-13653-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	700	J B	980	380	ug/Kg	1	☼	6010B	Total/NA
Arsenic	8300		980	290	ug/Kg	1	☼	6010B	Total/NA
Copper	400000		2400	720	ug/Kg	1	☼	6010B	Total/NA
Iron	7600000		9800	4800	ug/Kg	1	☼	6010B	Total/NA
Lead	16000		290	190	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-05NW-0602-SSXX

Lab Sample ID: 240-13653-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	520	J B	1100	410	ug/Kg	1	☼	6010B	Total/NA
Arsenic	8200		1100	320	ug/Kg	1	☼	6010B	Total/NA
Copper	210000		2600	780	ug/Kg	1	☼	6010B	Total/NA
Iron	9300000		11000	5200	ug/Kg	1	☼	6010B	Total/NA
Lead	3000		320	200	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-05NW-0205-SSXX

Lab Sample ID: 240-13653-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2800		880	260	ug/Kg	1	☼	6010B	Total/NA
Copper	3300		2200	650	ug/Kg	1	☼	6010B	Total/NA
Iron	3700000		8800	4300	ug/Kg	1	☼	6010B	Total/NA
Lead	860		260	170	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-05SE-0006-SSXX

Lab Sample ID: 240-13653-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	1000	J B	1200	450	ug/Kg	1	☼	6010B	Total/NA
Arsenic	9100		1200	350	ug/Kg	1	☼	6010B	Total/NA
Copper	850000		2900	860	ug/Kg	1	☼	6010B	Total/NA
Iron	12000000		12000	5700	ug/Kg	1	☼	6010B	Total/NA
Lead	69000		350	220	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-05SE-0602-SSXX

Lab Sample ID: 240-13653-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	530	J B	1100	430	ug/Kg	1	☼	6010B	Total/NA
Arsenic	4000		1100	330	ug/Kg	1	☼	6010B	Total/NA
Copper	43000		2700	810	ug/Kg	1	☼	6010B	Total/NA
Iron	2600000		11000	5400	ug/Kg	1	☼	6010B	Total/NA
Lead	7800		330	210	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-05SE-0205-SSXX

Lab Sample ID: 240-13653-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	14000		1200	360	ug/Kg	1	☼	6010B	Total/NA
Copper	160000		3000	890	ug/Kg	1	☼	6010B	Total/NA
Iron	8100000		12000	5900	ug/Kg	1	☼	6010B	Total/NA
Lead	7400		360	230	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-05NE-0006-SSXX

Lab Sample ID: 240-13653-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	520	J B	990	390	ug/Kg	1	☼	6010B	Total/NA

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-05NE-0006-SSXX (Continued)

Lab Sample ID: 240-13653-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	9900		990	300	ug/Kg	1	☼	6010B	Total/NA
Copper	640000		2500	730	ug/Kg	1	☼	6010B	Total/NA
Iron	17000000		9900	4900	ug/Kg	1	☼	6010B	Total/NA
Lead	52000		300	190	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-05NE-0602-SSXX

Lab Sample ID: 240-13653-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	430	J B	1000	410	ug/Kg	1	☼	6010B	Total/NA
Arsenic	11000		1000	310	ug/Kg	1	☼	6010B	Total/NA
Copper	300000		2600	770	ug/Kg	1	☼	6010B	Total/NA
Iron	7200000		10000	5100	ug/Kg	1	☼	6010B	Total/NA
Lead	25000		310	200	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-05NE-0205-SSXX

Lab Sample ID: 240-13653-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	550	J B	1000	400	ug/Kg	1	☼	6010B	Total/NA
Arsenic	1200		1000	310	ug/Kg	1	☼	6010B	Total/NA
Copper	8800		2600	770	ug/Kg	1	☼	6010B	Total/NA
Iron	5100000		10000	5100	ug/Kg	1	☼	6010B	Total/NA
Lead	1500		310	200	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-02NW-0006-SSXX

Lab Sample ID: 240-13653-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	970	J B	1100	410	ug/Kg	1	☼	6010B	Total/NA
Arsenic	9300		1100	320	ug/Kg	1	☼	6010B	Total/NA
Copper	1600000		2600	780	ug/Kg	1	☼	6010B	Total/NA
Iron	15000000		11000	5100	ug/Kg	1	☼	6010B	Total/NA
Lead	240000		320	200	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-02NW-0602-SSXX

Lab Sample ID: 240-13653-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3600		1100	320	ug/Kg	1	☼	6010B	Total/NA
Copper	1600000		2600	780	ug/Kg	1	☼	6010B	Total/NA
Iron	9600000		11000	5200	ug/Kg	1	☼	6010B	Total/NA
Lead	13000		320	200	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-02NW-0205-SSXX

Lab Sample ID: 240-13653-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	2500		1700	640	ug/Kg	1	☼	6010B	Total/NA
Arsenic	12000		1700	500	ug/Kg	1	☼	6010B	Total/NA
Copper	4600000		4100	1200	ug/Kg	1	☼	6010B	Total/NA
Iron	23000000		17000	8100	ug/Kg	1	☼	6010B	Total/NA
Lead	30000		2500	1600	ug/Kg	5	☼	6010B	Total/NA

Client Sample ID: LLI01-02NE-0006-SSXX

Lab Sample ID: 240-13653-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	730	J	860	260	ug/Kg	1	☼	6010B	Total/NA

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-02NE-0006-SSXX (Continued)

Lab Sample ID: 240-13653-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	9100		2200	640	ug/Kg	1	☼	6010B	Total/NA
Iron	3400000		8600	4200	ug/Kg	1	☼	6010B	Total/NA
Lead	890		260	160	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-02NE-0602-SSXX

Lab Sample ID: 240-13653-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	400	J	1000	400	ug/Kg	1	☼	6010B	Total/NA
Arsenic	2500		1000	310	ug/Kg	1	☼	6010B	Total/NA
Copper	500000		2600	760	ug/Kg	1	☼	6010B	Total/NA
Iron	6700000		10000	5000	ug/Kg	1	☼	6010B	Total/NA
Lead	8100		310	190	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-02NE-0205-SSXX

Lab Sample ID: 240-13653-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	16000		1000	300	ug/Kg	1	☼	6010B	Total/NA
Copper	920000		2500	750	ug/Kg	1	☼	6010B	Total/NA
Iron	25000000		10000	5000	ug/Kg	1	☼	6010B	Total/NA
Lead	7200		300	190	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-03NW-0006-SSXX

Lab Sample ID: 240-13653-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	680	J	1100	320	ug/Kg	1	☼	6010B	Total/NA
Copper	10000		2700	790	ug/Kg	1	☼	6010B	Total/NA
Iron	3300000		11000	5200	ug/Kg	1	☼	6010B	Total/NA
Lead	870		320	200	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-03NW-0602-SSXX

Lab Sample ID: 240-13653-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	14000		1400	410	ug/Kg	1	☼	6010B	Total/NA
Copper	1000000		3400	1000	ug/Kg	1	☼	6010B	Total/NA
Iron	18000000		14000	6700	ug/Kg	1	☼	6010B	Total/NA
Lead	5200		410	260	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-03NW-0205-SSXX

Lab Sample ID: 240-13653-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	5300		1000	310	ug/Kg	1	☼	6010B	Total/NA
Copper	190000		2500	750	ug/Kg	1	☼	6010B	Total/NA
Iron	2600000		10000	5000	ug/Kg	1	☼	6010B	Total/NA
Lead	3100		310	190	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-09NW-0006-SSXX

Lab Sample ID: 240-13653-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	440	J	1000	400	ug/Kg	1	☼	6010B	Total/NA
Arsenic	8200		1000	310	ug/Kg	1	☼	6010B	Total/NA
Copper	160000		2600	770	ug/Kg	1	☼	6010B	Total/NA
Iron	20000000		10000	5100	ug/Kg	1	☼	6010B	Total/NA
Lead	8300		310	200	ug/Kg	1	☼	6010B	Total/NA

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-09NW-0602-SSXX

Lab Sample ID: 240-13653-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	930	J	1300	500	ug/Kg	1	☼	6010B	Total/NA
Arsenic	32000		1300	390	ug/Kg	1	☼	6010B	Total/NA
Copper	550000		3200	950	ug/Kg	1	☼	6010B	Total/NA
Iron	21000000		13000	6300	ug/Kg	1	☼	6010B	Total/NA
Lead	37000		390	240	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-09NW-0205-SSXX

Lab Sample ID: 240-13653-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	460	J	1100	420	ug/Kg	1	☼	6010B	Total/NA
Arsenic	9200		1100	320	ug/Kg	1	☼	6010B	Total/NA
Copper	250000		2700	800	ug/Kg	1	☼	6010B	Total/NA
Iron	33000000		11000	5300	ug/Kg	1	☼	6010B	Total/NA
Lead	2400		320	200	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-08SW-0006-SSXX

Lab Sample ID: 240-13653-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	690	J	1000	390	ug/Kg	1	☼	6010B	Total/NA
Arsenic	8800		1000	300	ug/Kg	1	☼	6010B	Total/NA
Copper	530000		2500	750	ug/Kg	1	☼	6010B	Total/NA
Iron	10000000		10000	5000	ug/Kg	1	☼	6010B	Total/NA
Lead	34000		300	190	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-08SW-0602-SSXX

Lab Sample ID: 240-13653-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	1100		1000	390	ug/Kg	1	☼	6010B	Total/NA
Arsenic	9900		1000	300	ug/Kg	1	☼	6010B	Total/NA
Copper	650000		2500	740	ug/Kg	1	☼	6010B	Total/NA
Iron	11000000		10000	4900	ug/Kg	1	☼	6010B	Total/NA
Lead	64000		300	190	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-08SW-0205-SSXX

Lab Sample ID: 240-13653-32

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	5200		1300	400	ug/Kg	1	☼	6010B	Total/NA
Copper	1500000		3300	990	ug/Kg	1	☼	6010B	Total/NA
Iron	5800000		13000	6500	ug/Kg	1	☼	6010B	Total/NA
Lead	6300		400	250	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-08NW-0006-SSXX

Lab Sample ID: 240-13653-33

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	600	J	1100	440	ug/Kg	1	☼	6010B	Total/NA
Arsenic	9200		1100	340	ug/Kg	1	☼	6010B	Total/NA
Copper	1300000		2800	840	ug/Kg	1	☼	6010B	Total/NA
Iron	12000000		11000	5600	ug/Kg	1	☼	6010B	Total/NA
Lead	56000		340	220	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-08NW-0602-SSXX

Lab Sample ID: 240-13653-34

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-08NW-0602-SSXX (Continued)

Lab Sample ID: 240-13653-34

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	8700		990	300	ug/Kg	1	☼	6010B	Total/NA
Copper	1200000		2500	740	ug/Kg	1	☼	6010B	Total/NA
Iron	7200000		9900	4900	ug/Kg	1	☼	6010B	Total/NA
Lead	38000		300	190	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-08NW-0205-SSXX

Lab Sample ID: 240-13653-35

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3700		840	250	ug/Kg	1	☼	6010B	Total/NA
Copper	4800000		10000	3100	ug/Kg	5	☼	6010B	Total/NA
Iron	9300000		8400	4100	ug/Kg	1	☼	6010B	Total/NA
Lead	6500		1300	800	ug/Kg	5	☼	6010B	Total/NA

Client Sample ID: LLI01-08SE-0006-SSXX

Lab Sample ID: 240-13653-36

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	6200		1100	330	ug/Kg	1	☼	6010B	Total/NA
Copper	160000		2700	810	ug/Kg	1	☼	6010B	Total/NA
Iron	13000000		11000	5400	ug/Kg	1	☼	6010B	Total/NA
Lead	7200		330	210	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-08SE-0602-SSXX

Lab Sample ID: 240-13653-37

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2600		1200	360	ug/Kg	1	☼	6010B	Total/NA
Copper	50000		3000	900	ug/Kg	1	☼	6010B	Total/NA
Iron	11000000		12000	5900	ug/Kg	1	☼	6010B	Total/NA
Lead	1500		360	230	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-08SE-0205-SSXX

Lab Sample ID: 240-13653-38

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4100		950	290	ug/Kg	1	☼	6010B	Total/NA
Copper	13000		2400	700	ug/Kg	1	☼	6010B	Total/NA
Iron	11000000		9500	4700	ug/Kg	1	☼	6010B	Total/NA
Lead	1300		290	180	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-08NE-0006-SSXX

Lab Sample ID: 240-13653-39

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	1300	J	1900	750	ug/Kg	1	☼	6010B	Total/NA
Arsenic	23000		1900	570	ug/Kg	1	☼	6010B	Total/NA
Copper	340000		4800	1400	ug/Kg	1	☼	6010B	Total/NA
Iron	21000000		19000	9400	ug/Kg	1	☼	6010B	Total/NA
Lead	15000		570	360	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-08NE-0602-SSXX

Lab Sample ID: 240-13653-40

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	960	J	1300	490	ug/Kg	1	☼	6010B	Total/NA
Arsenic	15000		1300	380	ug/Kg	1	☼	6010B	Total/NA
Copper	1400000		3200	930	ug/Kg	1	☼	6010B	Total/NA
Iron	25000000		13000	6200	ug/Kg	1	☼	6010B	Total/NA

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-08NE-0602-SSXX (Continued)

Lab Sample ID: 240-13653-40

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	12000		380	240	ug/Kg	1	✱	6010B	Total/NA

Client Sample ID: LLI01-08NE-0205-SSXX

Lab Sample ID: 240-13653-41

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3400		1300	400	ug/Kg	1	✱	6010B	Total/NA
Copper	30000		3300	970	ug/Kg	1	✱	6010B	Total/NA
Iron	18000000		13000	6500	ug/Kg	1	✱	6010B	Total/NA
Lead	780		400	250	ug/Kg	1	✱	6010B	Total/NA

Client Sample ID: LLI01-06SE-0006-SSXX

Lab Sample ID: 240-13653-44

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	20000		1100	330	ug/Kg	1	✱	6010B	Total/NA
Copper	640000		2800	810	ug/Kg	1	✱	6010B	Total/NA
Iron	10000000		11000	5400	ug/Kg	1	✱	6010B	Total/NA
Lead	4000		330	210	ug/Kg	1	✱	6010B	Total/NA

Client Sample ID: LLI01-06SE-0602-SSXX

Lab Sample ID: 240-13653-45

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	420	J	970	380	ug/Kg	1	✱	6010B	Total/NA
Arsenic	2700		970	290	ug/Kg	1	✱	6010B	Total/NA
Copper	3700000		2400	720	ug/Kg	1	✱	6010B	Total/NA
Iron	11000000		9700	4800	ug/Kg	1	✱	6010B	Total/NA
Lead	3200		290	180	ug/Kg	1	✱	6010B	Total/NA

Client Sample ID: LLI01-06SE-0205-SSXX

Lab Sample ID: 240-13653-46

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2600		1200	350	ug/Kg	1	✱	6010B	Total/NA
Copper	30000		2900	860	ug/Kg	1	✱	6010B	Total/NA
Iron	15000000		12000	5700	ug/Kg	1	✱	6010B	Total/NA
Lead	2900		350	220	ug/Kg	1	✱	6010B	Total/NA

Client Sample ID: LLI01-06NE-0006-SSXX

Lab Sample ID: 240-13653-47

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	660	J	960	380	ug/Kg	1	✱	6010B	Total/NA
Arsenic	7300		960	290	ug/Kg	1	✱	6010B	Total/NA
Copper	1200000		2400	710	ug/Kg	1	✱	6010B	Total/NA
Iron	12000000		9600	4700	ug/Kg	1	✱	6010B	Total/NA
Lead	76000		290	180	ug/Kg	1	✱	6010B	Total/NA

Client Sample ID: LLI01-06NE-0602-SSXX

Lab Sample ID: 240-13653-48

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	510	J	1000	400	ug/Kg	1	✱	6010B	Total/NA
Arsenic	18000		1000	300	ug/Kg	1	✱	6010B	Total/NA
Copper	68000		2500	750	ug/Kg	1	✱	6010B	Total/NA
Iron	16000000		10000	5000	ug/Kg	1	✱	6010B	Total/NA
Lead	3300		300	190	ug/Kg	1	✱	6010B	Total/NA

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-06NE-0205-SSXX

Lab Sample ID: 240-13653-49

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4800		1000	310	ug/Kg	1	☼	6010B	Total/NA
Copper	99000		2600	760	ug/Kg	1	☼	6010B	Total/NA
Iron	4500000		10000	5000	ug/Kg	1	☼	6010B	Total/NA
Lead	25000		310	190	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-06NW-0006-SSXX

Lab Sample ID: 240-13653-50

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	690	J	990	380	ug/Kg	1	☼	6010B	Total/NA
Arsenic	5800		990	300	ug/Kg	1	☼	6010B	Total/NA
Copper	400000		2500	730	ug/Kg	1	☼	6010B	Total/NA
Iron	7300000		9900	4800	ug/Kg	1	☼	6010B	Total/NA
Lead	31000		300	190	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-06NW-0602-SSXX

Lab Sample ID: 240-13653-51

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	1000	J	1100	410	ug/Kg	1	☼	6010B	Total/NA
Arsenic	7600		1100	320	ug/Kg	1	☼	6010B	Total/NA
Copper	920000		2600	780	ug/Kg	1	☼	6010B	Total/NA
Iron	12000000		11000	5200	ug/Kg	1	☼	6010B	Total/NA
Lead	25000		320	200	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-06NW-0205-SSXX

Lab Sample ID: 240-13653-52

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	580	J	1200	480	ug/Kg	1	☼	6010B	Total/NA
Arsenic	10000		1200	370	ug/Kg	1	☼	6010B	Total/NA
Copper	38000		3100	900	ug/Kg	1	☼	6010B	Total/NA
Iron	11000000		12000	6000	ug/Kg	1	☼	6010B	Total/NA
Lead	1900		370	230	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-06SW-0006-SSXX

Lab Sample ID: 240-13653-53

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	11000		1100	340	ug/Kg	1	☼	6010B	Total/NA
Copper	89000		2800	830	ug/Kg	1	☼	6010B	Total/NA
Iron	4400000		11000	5500	ug/Kg	1	☼	6010B	Total/NA
Lead	20000		340	210	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-06SW-0602-SSXX

Lab Sample ID: 240-13653-54

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2300		1000	310	ug/Kg	1	☼	6010B	Total/NA
Copper	29000		2600	770	ug/Kg	1	☼	6010B	Total/NA
Iron	3800000		10000	5100	ug/Kg	1	☼	6010B	Total/NA
Lead	1500		310	200	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-06SW-0205-SSXX

Lab Sample ID: 240-13653-55

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	13000		1600	470	ug/Kg	1	☼	6010B	Total/NA
Copper	240000		3900	1100	ug/Kg	1	☼	6010B	Total/NA

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-06SW-0205-SSXX (Continued)

Lab Sample ID: 240-13653-55

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	21000000		16000	7600	ug/Kg	1	☆	6010B	Total/NA
Lead	9500		470	290	ug/Kg	1	☆	6010B	Total/NA

Client Sample ID: LLI01-07SW-0006-SSXX

Lab Sample ID: 240-13653-58

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	6500		1000	310	ug/Kg	1	☆	6010B	Total/NA
Copper	530000		2600	760	ug/Kg	1	☆	6010B	Total/NA
Iron	7200000		10000	5000	ug/Kg	1	☆	6010B	Total/NA
Lead	23000		310	200	ug/Kg	1	☆	6010B	Total/NA

Client Sample ID: LLI01-07SW-0602-SSXX

Lab Sample ID: 240-13653-59

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	860	J	1100	420	ug/Kg	1	☆	6010B	Total/NA
Arsenic	17000		1100	320	ug/Kg	1	☆	6010B	Total/NA
Copper	4000000		2700	790	ug/Kg	1	☆	6010B	Total/NA
Iron	15000000		11000	5200	ug/Kg	1	☆	6010B	Total/NA
Lead	57000		320	200	ug/Kg	1	☆	6010B	Total/NA

Client Sample ID: LLI01-07SW-0205-SSXX

Lab Sample ID: 240-13653-60

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	1200		970	380	ug/Kg	1	☆	6010B	Total/NA
Arsenic	30000		970	290	ug/Kg	1	☆	6010B	Total/NA
Copper	490000		2400	720	ug/Kg	1	☆	6010B	Total/NA
Iron	33000000		9700	4700	ug/Kg	1	☆	6010B	Total/NA
Lead	46000		290	180	ug/Kg	1	☆	6010B	Total/NA

Client Sample ID: LLI01-07NW-0006-SSXX

Lab Sample ID: 240-13653-61

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	15000		1100	330	ug/Kg	1	☆	6010B	Total/NA
Copper	23000		2700	810	ug/Kg	1	☆	6010B	Total/NA
Iron	1400000		11000	5300	ug/Kg	1	☆	6010B	Total/NA
Lead	4700		330	210	ug/Kg	1	☆	6010B	Total/NA

Client Sample ID: LLI01-07NW-0602-SSXX

Lab Sample ID: 240-13653-62

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	23000		1100	330	ug/Kg	1	☆	6010B	Total/NA
Copper	890000		2700	800	ug/Kg	1	☆	6010B	Total/NA
Iron	8400000		11000	5300	ug/Kg	1	☆	6010B	Total/NA
Lead	14000		330	210	ug/Kg	1	☆	6010B	Total/NA

Client Sample ID: LLI01-07NW-0205-SSXX

Lab Sample ID: 240-13653-63

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	13000		990	300	ug/Kg	1	☆	6010B	Total/NA
Copper	34000		2500	730	ug/Kg	1	☆	6010B	Total/NA
Iron	5200000		9900	4800	ug/Kg	1	☆	6010B	Total/NA
Lead	2600		300	190	ug/Kg	1	☆	6010B	Total/NA

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-07SE-0006-SSXX

Lab Sample ID: 240-13653-64

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	6500		1100	320	ug/Kg	1	☼	6010B	Total/NA
Copper	290000		2700	790	ug/Kg	1	☼	6010B	Total/NA
Iron	6800000		11000	5200	ug/Kg	1	☼	6010B	Total/NA
Lead	26000		320	200	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-07SE-0602-SSXX

Lab Sample ID: 240-13653-65

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	450	J B	950	370	ug/Kg	1	☼	6010B	Total/NA
Arsenic	4400		950	290	ug/Kg	1	☼	6010B	Total/NA
Copper	100000		2400	710	ug/Kg	1	☼	6010B	Total/NA
Iron	14000000		9500	4700	ug/Kg	1	☼	6010B	Total/NA
Lead	1100		290	180	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-07SE-0205-SSXX

Lab Sample ID: 240-13653-66

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	850	J B	1100	420	ug/Kg	1	☼	6010B	Total/NA
Arsenic	12000		1100	320	ug/Kg	1	☼	6010B	Total/NA
Copper	3900000		2700	790	ug/Kg	1	☼	6010B	Total/NA
Iron	20000000		11000	5300	ug/Kg	1	☼	6010B	Total/NA
Lead	6000		320	200	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-07NE-0006-SSXX

Lab Sample ID: 240-13653-67

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	950	J B	980	380	ug/Kg	1	☼	6010B	Total/NA
Arsenic	8700		980	290	ug/Kg	1	☼	6010B	Total/NA
Copper	340000		2400	720	ug/Kg	1	☼	6010B	Total/NA
Iron	28000000		9800	4800	ug/Kg	1	☼	6010B	Total/NA
Lead	19000		290	190	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-07NE-0602-SSXX

Lab Sample ID: 240-13653-68

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	630	J B	830	320	ug/Kg	1	☼	6010B	Total/NA
Arsenic	5600		830	250	ug/Kg	1	☼	6010B	Total/NA
Copper	28000		2100	610	ug/Kg	1	☼	6010B	Total/NA
Iron	8300000		8300	4100	ug/Kg	1	☼	6010B	Total/NA
Lead	1800		250	160	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-07NE-0205-SSXX

Lab Sample ID: 240-13653-69

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	590	J B	850	330	ug/Kg	1	☼	6010B	Total/NA
Arsenic	3300		850	250	ug/Kg	1	☼	6010B	Total/NA
Copper	5400000		11000	3100	ug/Kg	5	☼	6010B	Total/NA
Iron	4200000		8500	4200	ug/Kg	1	☼	6010B	Total/NA
Lead	1200	J	1300	810	ug/Kg	5	☼	6010B	Total/NA

Client Sample ID: LLI01-12NE-0006-SSXX

Lab Sample ID: 240-13653-72

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
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Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-12NE-0006-SSXX (Continued)

Lab Sample ID: 240-13653-72

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	490	J B	1100	430	ug/Kg	1	☼	6010B	Total/NA
Arsenic	14000		1100	330	ug/Kg	1	☼	6010B	Total/NA
Copper	1300000		2700	810	ug/Kg	1	☼	6010B	Total/NA
Iron	13000000		11000	5400	ug/Kg	1	☼	6010B	Total/NA
Lead	100000		330	210	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-12NE-0602-SSXX

Lab Sample ID: 240-13653-73

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	540	J B	1100	420	ug/Kg	1	☼	6010B	Total/NA
Arsenic	12000		1100	320	ug/Kg	1	☼	6010B	Total/NA
Copper	980000		2700	790	ug/Kg	1	☼	6010B	Total/NA
Iron	11000000		11000	5200	ug/Kg	1	☼	6010B	Total/NA
Lead	56000		320	200	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-12NE-0205-SSXX

Lab Sample ID: 240-13653-74

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	480	J B	980	380	ug/Kg	1	☼	6010B	Total/NA
Arsenic	12000		980	290	ug/Kg	1	☼	6010B	Total/NA
Copper	980000		2400	720	ug/Kg	1	☼	6010B	Total/NA
Iron	14000000		9800	4800	ug/Kg	1	☼	6010B	Total/NA
Lead	61000		290	190	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-12SE-0006-SSXX

Lab Sample ID: 240-13653-75

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	1000	J B	1100	430	ug/Kg	1	☼	6010B	Total/NA
Arsenic	18000		1100	330	ug/Kg	1	☼	6010B	Total/NA
Copper	240000		2800	820	ug/Kg	1	☼	6010B	Total/NA
Iron	18000000		11000	5400	ug/Kg	1	☼	6010B	Total/NA
Lead	41000		330	210	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-12SE-0602-SSXX

Lab Sample ID: 240-13653-76

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	410	J B	1000	400	ug/Kg	1	☼	6010B	Total/NA
Arsenic	14000		1000	300	ug/Kg	1	☼	6010B	Total/NA
Copper	430000		2500	750	ug/Kg	1	☼	6010B	Total/NA
Iron	13000000		10000	5000	ug/Kg	1	☼	6010B	Total/NA
Lead	120000		300	190	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-12SE-0205-SSXX

Lab Sample ID: 240-13653-77

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	590	J B	1200	470	ug/Kg	1	☼	6010B	Total/NA
Arsenic	13000		1200	360	ug/Kg	1	☼	6010B	Total/NA
Copper	51000		3000	900	ug/Kg	1	☼	6010B	Total/NA
Iron	13000000		12000	5900	ug/Kg	1	☼	6010B	Total/NA
Lead	5100		360	230	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-12SW-0006-SSXX

Lab Sample ID: 240-13653-78

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-12SW-0006-SSXX (Continued)

Lab Sample ID: 240-13653-78

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	770	J B	1100	420	ug/Kg	1	✱	6010B	Total/NA
Arsenic	9300		1100	330	ug/Kg	1	✱	6010B	Total/NA
Copper	520000		2700	800	ug/Kg	1	✱	6010B	Total/NA
Iron	7000000		11000	5300	ug/Kg	1	✱	6010B	Total/NA
Lead	37000		330	210	ug/Kg	1	✱	6010B	Total/NA

Client Sample ID: LLI01-12SW-0602-SSXX

Lab Sample ID: 240-13653-79

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	1100	B	1100	430	ug/Kg	1	✱	6010B	Total/NA
Arsenic	12000		1100	330	ug/Kg	1	✱	6010B	Total/NA
Copper	500000		2800	820	ug/Kg	1	✱	6010B	Total/NA
Iron	17000000		11000	5400	ug/Kg	1	✱	6010B	Total/NA
Lead	61000		330	210	ug/Kg	1	✱	6010B	Total/NA

Client Sample ID: LLI01-12SW-0205-SSXX

Lab Sample ID: 240-13653-80

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	5200		1000	300	ug/Kg	1	✱	6010B	Total/NA
Copper	140000		2500	750	ug/Kg	1	✱	6010B	Total/NA
Iron	7500000		10000	4900	ug/Kg	1	✱	6010B	Total/NA
Lead	25000		300	190	ug/Kg	1	✱	6010B	Total/NA

Client Sample ID: LLI01-12NW-0006-SSXX

Lab Sample ID: 240-13653-81

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	740	J B	940	370	ug/Kg	1	✱	6010B	Total/NA
Arsenic	5000		940	280	ug/Kg	1	✱	6010B	Total/NA
Copper	1100000		2400	700	ug/Kg	1	✱	6010B	Total/NA
Iron	11000000		9400	4600	ug/Kg	1	✱	6010B	Total/NA
Lead	17000		280	180	ug/Kg	1	✱	6010B	Total/NA

Client Sample ID: LLI01-12NW-0602-SSXX

Lab Sample ID: 240-13653-82

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	10000		1100	320	ug/Kg	1	✱	6010B	Total/NA
Copper	610000		2700	790	ug/Kg	1	✱	6010B	Total/NA
Iron	11000000		11000	5200	ug/Kg	1	✱	6010B	Total/NA
Lead	16000		320	200	ug/Kg	1	✱	6010B	Total/NA

Client Sample ID: LLI01-12NW-0205-SSXX

Lab Sample ID: 240-13653-83

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	670	J B	1100	420	ug/Kg	1	✱	6010B	Total/NA
Arsenic	11000		1100	330	ug/Kg	1	✱	6010B	Total/NA
Copper	630000		2700	800	ug/Kg	1	✱	6010B	Total/NA
Iron	11000000		11000	5300	ug/Kg	1	✱	6010B	Total/NA
Lead	24000		330	210	ug/Kg	1	✱	6010B	Total/NA

Client Sample ID: LLI01-13NW-0006-SSXX

Lab Sample ID: 240-13653-86

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	860	J B	1000	410	ug/Kg	1	✱	6010B	Total/NA

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-13NW-0006-SSXX (Continued)

Lab Sample ID: 240-13653-86

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	6800		1000	310	ug/Kg	1	☼	6010B	Total/NA
Copper	160000		2600	770	ug/Kg	1	☼	6010B	Total/NA
Iron	21000000		10000	5100	ug/Kg	1	☼	6010B	Total/NA
Lead	14000		310	200	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-13NW-0602-SSXX

Lab Sample ID: 240-13653-87

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	1100	J B	1400	540	ug/Kg	1	☼	6010B	Total/NA
Arsenic	47000		1400	420	ug/Kg	1	☼	6010B	Total/NA
Copper	400000		3500	1000	ug/Kg	1	☼	6010B	Total/NA
Iron	7300000		14000	6800	ug/Kg	1	☼	6010B	Total/NA
Lead	34000		420	260	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-13NW-0205-SSXX

Lab Sample ID: 240-13653-88

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	6300		1200	360	ug/Kg	1	☼	6010B	Total/NA
Copper	81000		3000	880	ug/Kg	1	☼	6010B	Total/NA
Iron	8400000	B	12000	5800	ug/Kg	1	☼	6010B	Total/NA
Lead	5400		360	230	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-13SW-0006-SSXX

Lab Sample ID: 240-13653-89

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	5400		1100	330	ug/Kg	1	☼	6010B	Total/NA
Copper	220000		2700	800	ug/Kg	1	☼	6010B	Total/NA
Iron	7200000	B	11000	5300	ug/Kg	1	☼	6010B	Total/NA
Lead	9900		330	210	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-13SW-0602-SSXX

Lab Sample ID: 240-13653-90

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	7700		1100	320	ug/Kg	1	☼	6010B	Total/NA
Copper	160000		2700	790	ug/Kg	1	☼	6010B	Total/NA
Iron	16000000	B	11000	5200	ug/Kg	1	☼	6010B	Total/NA
Lead	12000		320	200	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-13SW-0205-SSXX

Lab Sample ID: 240-13653-91

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	510	J	970	380	ug/Kg	1	☼	6010B	Total/NA
Arsenic	6000		970	290	ug/Kg	1	☼	6010B	Total/NA
Copper	18000		2400	720	ug/Kg	1	☼	6010B	Total/NA
Iron	7100000	B	9700	4700	ug/Kg	1	☼	6010B	Total/NA
Lead	1800		290	180	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-13SE-0006-SSXX

Lab Sample ID: 240-13653-92

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	670	J	980	380	ug/Kg	1	☼	6010B	Total/NA
Arsenic	9300		980	290	ug/Kg	1	☼	6010B	Total/NA
Copper	110000		2400	720	ug/Kg	1	☼	6010B	Total/NA

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-13SE-0006-SSXX (Continued)

Lab Sample ID: 240-13653-92

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	7600000	B	9800	4800	ug/Kg	1	☼	6010B	Total/NA
Lead	12000		290	190	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-13SE-0602-SSXX

Lab Sample ID: 240-13653-93

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	1400		1100	320	ug/Kg	1	☼	6010B	Total/NA
Copper	59000		2600	780	ug/Kg	1	☼	6010B	Total/NA
Iron	3100000	B	11000	5200	ug/Kg	1	☼	6010B	Total/NA
Lead	14000		320	200	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-13SE-0205-SSXX

Lab Sample ID: 240-13653-94

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	450	J	1000	400	ug/Kg	1	☼	6010B	Total/NA
Arsenic	9100		1000	310	ug/Kg	1	☼	6010B	Total/NA
Copper	91000		2600	760	ug/Kg	1	☼	6010B	Total/NA
Iron	5900000	B	10000	5000	ug/Kg	1	☼	6010B	Total/NA
Lead	23000		310	190	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-13NE-0006-SSXX

Lab Sample ID: 240-13653-95

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	9200		1000	310	ug/Kg	1	☼	6010B	Total/NA
Copper	110000		2600	760	ug/Kg	1	☼	6010B	Total/NA
Iron	6300000	B	10000	5100	ug/Kg	1	☼	6010B	Total/NA
Lead	8600		310	200	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-13NE-0602-SSXX

Lab Sample ID: 240-13653-96

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	500	J	1000	410	ug/Kg	1	☼	6010B	Total/NA
Arsenic	3700		1000	310	ug/Kg	1	☼	6010B	Total/NA
Copper	400000		2600	770	ug/Kg	1	☼	6010B	Total/NA
Iron	2400000	B	10000	5100	ug/Kg	1	☼	6010B	Total/NA
Lead	8700		310	200	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-13NE-0205-SSXX

Lab Sample ID: 240-13653-97

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4400		1100	320	ug/Kg	1	☼	6010B	Total/NA
Copper	160000		2700	800	ug/Kg	1	☼	6010B	Total/NA
Iron	7800000	B	11000	5300	ug/Kg	1	☼	6010B	Total/NA
Lead	7200		320	200	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-DP05-XXXX-SSFD

Lab Sample ID: 240-13653-100

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	680	J	1100	440	ug/Kg	1	☼	6010B	Total/NA
Arsenic	12000		1100	330	ug/Kg	1	☼	6010B	Total/NA
Copper	570000		2800	830	ug/Kg	1	☼	6010B	Total/NA
Iron	10000000	B	11000	5500	ug/Kg	1	☼	6010B	Total/NA
Lead	57000		330	210	ug/Kg	1	☼	6010B	Total/NA

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-DP06-XXXX-SSFD

Lab Sample ID: 240-13653-101

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	670	J	980	290	ug/Kg	1	☼	6010B	Total/NA
Copper	8000		2500	730	ug/Kg	1	☼	6010B	Total/NA
Iron	3500000	B	9800	4800	ug/Kg	1	☼	6010B	Total/NA
Lead	1200		290	190	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-DP07-XXXX-SSFD

Lab Sample ID: 240-13653-102

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	6800		1100	330	ug/Kg	1	☼	6010B	Total/NA
Copper	2200000		2700	810	ug/Kg	1	☼	6010B	Total/NA
Iron	12000000	B	11000	5400	ug/Kg	1	☼	6010B	Total/NA
Lead	56000		330	210	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-DP08-XXXX-SSFD

Lab Sample ID: 240-13653-103

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2900		1100	330	ug/Kg	1	☼	6010B	Total/NA
Copper	18000		2800	820	ug/Kg	1	☼	6010B	Total/NA
Iron	6300000	B	11000	5400	ug/Kg	1	☼	6010B	Total/NA
Lead	5600		330	210	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-DP09-XXXX-SSFD

Lab Sample ID: 240-13653-104

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	630	J	860	330	ug/Kg	1	☼	6010B	Total/NA
Arsenic	2600		860	260	ug/Kg	1	☼	6010B	Total/NA
Copper	13000000		11000	3200	ug/Kg	5	☼	6010B	Total/NA
Iron	6700000	B	8600	4200	ug/Kg	1	☼	6010B	Total/NA
Lead	3500		1300	810	ug/Kg	5	☼	6010B	Total/NA

Client Sample ID: LLI01-DP10-XXXX-SSFD

Lab Sample ID: 240-13653-105

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2400		1100	340	ug/Kg	1	☼	6010B	Total/NA
Copper	26000		2800	830	ug/Kg	1	☼	6010B	Total/NA
Iron	8300000	B	11000	5500	ug/Kg	1	☼	6010B	Total/NA
Lead	1900		340	210	ug/Kg	1	☼	6010B	Total/NA

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-05NW-0006-SSXX

Lab Sample ID: 240-13653-1

Date Collected: 07/26/12 08:45

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 88.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	700	J B	980	380	ug/Kg	☼	08/02/12 10:13	08/06/12 21:48	1
Arsenic	8300		980	290	ug/Kg	☼	08/02/12 10:13	08/06/12 21:48	1
Copper	400000		2400	720	ug/Kg	☼	08/02/12 10:13	08/06/12 21:48	1
Iron	7600000		9800	4800	ug/Kg	☼	08/02/12 10:13	08/06/12 21:48	1
Lead	16000		290	190	ug/Kg	☼	08/02/12 10:13	08/06/12 21:48	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-05NW-0602-SSXX

Lab Sample ID: 240-13653-2

Date Collected: 07/26/12 08:47

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 88.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	520	J B	1100	410	ug/Kg	☼	08/02/12 10:13	08/06/12 22:05	1
Arsenic	8200		1100	320	ug/Kg	☼	08/02/12 10:13	08/06/12 22:05	1
Copper	210000		2600	780	ug/Kg	☼	08/02/12 10:13	08/06/12 22:05	1
Iron	9300000		11000	5200	ug/Kg	☼	08/02/12 10:13	08/06/12 22:05	1
Lead	3000		320	200	ug/Kg	☼	08/02/12 10:13	08/06/12 22:05	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-05NW-0205-SSXX

Lab Sample ID: 240-13653-3

Date Collected: 07/26/12 08:49

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 94.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	880	U	880	340	ug/Kg	☼	08/02/12 10:13	08/06/12 22:10	1
Arsenic	2800		880	260	ug/Kg	☼	08/02/12 10:13	08/06/12 22:10	1
Copper	3300		2200	650	ug/Kg	☼	08/02/12 10:13	08/06/12 22:10	1
Iron	3700000		8800	4300	ug/Kg	☼	08/02/12 10:13	08/06/12 22:10	1
Lead	860		260	170	ug/Kg	☼	08/02/12 10:13	08/06/12 22:10	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-05SE-0006-SSXX

Lab Sample ID: 240-13653-4

Date Collected: 07/26/12 08:58

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 83.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1000	J B	1200	450	ug/Kg	☼	08/02/12 10:13	08/06/12 22:16	1
Arsenic	9100		1200	350	ug/Kg	☼	08/02/12 10:13	08/06/12 22:16	1
Copper	850000		2900	860	ug/Kg	☼	08/02/12 10:13	08/06/12 22:16	1
Iron	12000000		12000	5700	ug/Kg	☼	08/02/12 10:13	08/06/12 22:16	1
Lead	69000		350	220	ug/Kg	☼	08/02/12 10:13	08/06/12 22:16	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-05SE-0602-SSXX

Lab Sample ID: 240-13653-5

Date Collected: 07/26/12 08:59

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 90.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	530	J B	1100	430	ug/Kg	☼	08/02/12 10:13	08/06/12 22:22	1
Arsenic	4000		1100	330	ug/Kg	☼	08/02/12 10:13	08/06/12 22:22	1
Copper	43000		2700	810	ug/Kg	☼	08/02/12 10:13	08/06/12 22:22	1
Iron	2600000		11000	5400	ug/Kg	☼	08/02/12 10:13	08/06/12 22:22	1
Lead	7800		330	210	ug/Kg	☼	08/02/12 10:13	08/06/12 22:22	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-05SE-0205-SSXX

Lab Sample ID: 240-13653-6

Date Collected: 07/26/12 09:01

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 68.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1200	U	1200	470	ug/Kg	☼	08/02/12 10:13	08/06/12 22:27	1
Arsenic	14000		1200	360	ug/Kg	☼	08/02/12 10:13	08/06/12 22:27	1
Copper	160000		3000	890	ug/Kg	☼	08/02/12 10:13	08/06/12 22:27	1
Iron	8100000		12000	5900	ug/Kg	☼	08/02/12 10:13	08/06/12 22:27	1
Lead	7400		360	230	ug/Kg	☼	08/02/12 10:13	08/06/12 22:27	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-05NE-0006-SSXX

Lab Sample ID: 240-13653-7

Date Collected: 07/26/12 09:08

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 90.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	520	J B	990	390	ug/Kg	☼	08/02/12 10:13	08/07/12 20:43	1
Arsenic	9900		990	300	ug/Kg	☼	08/02/12 10:13	08/06/12 22:33	1
Copper	640000		2500	730	ug/Kg	☼	08/02/12 10:13	08/06/12 22:33	1
Iron	17000000		9900	4900	ug/Kg	☼	08/02/12 10:13	08/06/12 22:33	1
Lead	52000		300	190	ug/Kg	☼	08/02/12 10:13	08/06/12 22:33	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-05NE-0602-SSXX

Lab Sample ID: 240-13653-8

Date Collected: 07/26/12 09:09

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 88.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	430	J B	1000	410	ug/Kg	☼	08/02/12 10:13	08/06/12 22:39	1
Arsenic	11000		1000	310	ug/Kg	☼	08/02/12 10:13	08/06/12 22:39	1
Copper	300000		2600	770	ug/Kg	☼	08/02/12 10:13	08/06/12 22:39	1
Iron	7200000		10000	5100	ug/Kg	☼	08/02/12 10:13	08/06/12 22:39	1
Lead	25000		310	200	ug/Kg	☼	08/02/12 10:13	08/06/12 22:39	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-05NE-0205-SSXX

Lab Sample ID: 240-13653-9

Date Collected: 07/26/12 09:10

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 95.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	550	J B	1000	400	ug/Kg	☼	08/02/12 10:13	08/06/12 22:45	1
Arsenic	1200		1000	310	ug/Kg	☼	08/02/12 10:13	08/06/12 22:45	1
Copper	8800		2600	770	ug/Kg	☼	08/02/12 10:13	08/06/12 22:45	1
Iron	5100000		10000	5100	ug/Kg	☼	08/02/12 10:13	08/06/12 22:45	1
Lead	1500		310	200	ug/Kg	☼	08/02/12 10:13	08/06/12 22:45	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-02NW-0006-SSXX

Lab Sample ID: 240-13653-12

Date Collected: 07/26/12 09:34

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 88.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	970	J B	1100	410	ug/Kg	☼	08/02/12 10:13	08/06/12 22:50	1
Arsenic	9300		1100	320	ug/Kg	☼	08/02/12 10:13	08/06/12 22:50	1
Copper	1600000		2600	780	ug/Kg	☼	08/02/12 10:13	08/06/12 22:50	1
Iron	15000000		11000	5100	ug/Kg	☼	08/02/12 10:13	08/06/12 22:50	1
Lead	240000		320	200	ug/Kg	☼	08/02/12 10:13	08/06/12 22:50	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-02NW-0602-SSXX

Lab Sample ID: 240-13653-13

Date Collected: 07/26/12 09:35

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 87.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1100	U	1100	410	ug/Kg	☼	08/02/12 10:13	08/06/12 22:56	1
Arsenic	3600		1100	320	ug/Kg	☼	08/02/12 10:13	08/06/12 22:56	1
Copper	1600000		2600	780	ug/Kg	☼	08/02/12 10:13	08/06/12 22:56	1
Iron	9600000		11000	5200	ug/Kg	☼	08/02/12 10:13	08/06/12 22:56	1
Lead	13000		320	200	ug/Kg	☼	08/02/12 10:13	08/06/12 22:56	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-02NW-0205-SSXX

Lab Sample ID: 240-13653-14

Date Collected: 07/26/12 09:36

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 52.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2500		1700	640	ug/Kg	☼	08/02/12 10:41	08/08/12 00:31	1
Arsenic	12000		1700	500	ug/Kg	☼	08/02/12 10:41	08/08/12 00:31	1
Copper	4600000		4100	1200	ug/Kg	☼	08/02/12 10:41	08/08/12 00:31	1
Iron	23000000		17000	8100	ug/Kg	☼	08/02/12 10:41	08/08/12 00:31	1
Lead	30000		2500	1600	ug/Kg	☼	08/02/12 10:41	08/08/12 19:55	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-02NE-0006-SSXX

Lab Sample ID: 240-13653-15

Date Collected: 07/26/12 09:45

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 93.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	860	U	860	340	ug/Kg	☼	08/02/12 10:41	08/08/12 00:36	1
Arsenic	730	J	860	260	ug/Kg	☼	08/02/12 10:41	08/08/12 00:36	1
Copper	9100		2200	640	ug/Kg	☼	08/02/12 10:41	08/08/12 00:36	1
Iron	3400000		8600	4200	ug/Kg	☼	08/02/12 10:41	08/08/12 00:36	1
Lead	890		260	160	ug/Kg	☼	08/02/12 10:41	08/08/12 00:36	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-02NE-0602-SSXX

Lab Sample ID: 240-13653-16

Date Collected: 07/26/12 09:46

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 91.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	400	J	1000	400	ug/Kg	☼	08/02/12 10:41	08/08/12 00:48	1
Arsenic	2500		1000	310	ug/Kg	☼	08/02/12 10:41	08/08/12 00:48	1
Copper	500000		2600	760	ug/Kg	☼	08/02/12 10:41	08/08/12 00:48	1
Iron	6700000		10000	5000	ug/Kg	☼	08/02/12 10:41	08/08/12 00:48	1
Lead	8100		310	190	ug/Kg	☼	08/02/12 10:41	08/08/12 00:48	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-02NE-0205-SSXX

Lab Sample ID: 240-13653-17

Date Collected: 07/26/12 09:47

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 80.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1000	U	1000	400	ug/Kg	☼	08/02/12 10:41	08/08/12 00:53	1
Arsenic	16000		1000	300	ug/Kg	☼	08/02/12 10:41	08/08/12 00:53	1
Copper	920000		2500	750	ug/Kg	☼	08/02/12 10:41	08/08/12 00:53	1
Iron	25000000		10000	5000	ug/Kg	☼	08/02/12 10:41	08/08/12 00:53	1
Lead	7200		300	190	ug/Kg	☼	08/02/12 10:41	08/08/12 00:53	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-03NW-0006-SSXX

Lab Sample ID: 240-13653-20

Date Collected: 07/26/12 10:09

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 92.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1100	U	1100	420	ug/Kg	☼	08/02/12 10:41	08/08/12 00:59	1
Arsenic	680	J	1100	320	ug/Kg	☼	08/02/12 10:41	08/08/12 00:59	1
Copper	10000		2700	790	ug/Kg	☼	08/02/12 10:41	08/08/12 00:59	1
Iron	3300000		11000	5200	ug/Kg	☼	08/02/12 10:41	08/08/12 00:59	1
Lead	870		320	200	ug/Kg	☼	08/02/12 10:41	08/08/12 00:59	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-03NW-0602-SSXX

Lab Sample ID: 240-13653-21

Date Collected: 07/26/12 10:12

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 71.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1400	U	1400	530	ug/Kg	☼	08/02/12 10:41	08/08/12 00:02	1
Arsenic	14000		1400	410	ug/Kg	☼	08/02/12 10:41	08/08/12 00:02	1
Copper	1000000		3400	1000	ug/Kg	☼	08/02/12 10:41	08/08/12 00:02	1
Iron	18000000		14000	6700	ug/Kg	☼	08/02/12 10:41	08/08/12 00:02	1
Lead	5200		410	260	ug/Kg	☼	08/02/12 10:41	08/08/12 00:02	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-03NW-0205-SSXX

Lab Sample ID: 240-13653-22

Date Collected: 07/26/12 10:15

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 73.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1000	U	1000	400	ug/Kg	☼	08/02/12 10:41	08/08/12 01:05	1
Arsenic	5300		1000	310	ug/Kg	☼	08/02/12 10:41	08/08/12 01:05	1
Copper	190000		2500	750	ug/Kg	☼	08/02/12 10:41	08/08/12 01:05	1
Iron	2600000		10000	5000	ug/Kg	☼	08/02/12 10:41	08/08/12 01:05	1
Lead	3100		310	190	ug/Kg	☼	08/02/12 10:41	08/08/12 01:05	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-09NW-0006-SSXX

Lab Sample ID: 240-13653-25

Date Collected: 07/26/12 11:44

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 86.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	440	J	1000	400	ug/Kg	☼	08/02/12 10:41	08/08/12 01:10	1
Arsenic	8200		1000	310	ug/Kg	☼	08/02/12 10:41	08/08/12 01:10	1
Copper	160000		2600	770	ug/Kg	☼	08/02/12 10:41	08/08/12 01:10	1
Iron	20000000		10000	5100	ug/Kg	☼	08/02/12 10:41	08/08/12 01:10	1
Lead	8300		310	200	ug/Kg	☼	08/02/12 10:41	08/08/12 01:10	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-09NW-0602-SSXX

Lab Sample ID: 240-13653-26

Date Collected: 07/26/12 11:45

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 73.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	930	J	1300	500	ug/Kg	☼	08/02/12 10:41	08/08/12 01:16	1
Arsenic	32000		1300	390	ug/Kg	☼	08/02/12 10:41	08/08/12 01:16	1
Copper	550000		3200	950	ug/Kg	☼	08/02/12 10:41	08/08/12 01:16	1
Iron	21000000		13000	6300	ug/Kg	☼	08/02/12 10:41	08/08/12 01:16	1
Lead	37000		390	240	ug/Kg	☼	08/02/12 10:41	08/08/12 01:16	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-09NW-0205-SSXX

Lab Sample ID: 240-13653-27

Date Collected: 07/26/12 11:46

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 79.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	460	J	1100	420	ug/Kg	☼	08/02/12 10:41	08/08/12 01:22	1
Arsenic	9200		1100	320	ug/Kg	☼	08/02/12 10:41	08/08/12 01:22	1
Copper	250000		2700	800	ug/Kg	☼	08/02/12 10:41	08/08/12 01:22	1
Iron	33000000		11000	5300	ug/Kg	☼	08/02/12 10:41	08/08/12 01:22	1
Lead	2400		320	200	ug/Kg	☼	08/02/12 10:41	08/08/12 01:22	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-08SW-0006-SSXX

Lab Sample ID: 240-13653-30

Date Collected: 07/26/12 12:04

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 85.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	690	J	1000	390	ug/Kg	☼	08/02/12 10:41	08/08/12 01:39	1
Arsenic	8800		1000	300	ug/Kg	☼	08/02/12 10:41	08/08/12 01:39	1
Copper	530000		2500	750	ug/Kg	☼	08/02/12 10:41	08/08/12 01:39	1
Iron	10000000		10000	5000	ug/Kg	☼	08/02/12 10:41	08/08/12 01:39	1
Lead	34000		300	190	ug/Kg	☼	08/02/12 10:41	08/08/12 01:39	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-08SW-0602-SSXX

Lab Sample ID: 240-13653-31

Date Collected: 07/26/12 12:06

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 87.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1100		1000	390	ug/Kg	☼	08/02/12 10:41	08/08/12 01:44	1
Arsenic	9900		1000	300	ug/Kg	☼	08/02/12 10:41	08/08/12 01:44	1
Copper	650000		2500	740	ug/Kg	☼	08/02/12 10:41	08/08/12 01:44	1
Iron	11000000		10000	4900	ug/Kg	☼	08/02/12 10:41	08/08/12 01:44	1
Lead	64000		300	190	ug/Kg	☼	08/02/12 10:41	08/08/12 01:44	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-08SW-0205-SSXX

Lab Sample ID: 240-13653-32

Date Collected: 07/26/12 12:07

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 72.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1300	U	1300	520	ug/Kg	☼	08/02/12 10:41	08/08/12 01:50	1
Arsenic	5200		1300	400	ug/Kg	☼	08/02/12 10:41	08/08/12 01:50	1
Copper	1500000		3300	990	ug/Kg	☼	08/02/12 10:41	08/08/12 01:50	1
Iron	5800000		13000	6500	ug/Kg	☼	08/02/12 10:41	08/08/12 01:50	1
Lead	6300		400	250	ug/Kg	☼	08/02/12 10:41	08/08/12 01:50	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-08NW-0006-SSXX

Lab Sample ID: 240-13653-33

Date Collected: 07/26/12 12:11

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 83.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	600	J	1100	440	ug/Kg	☼	08/02/12 10:41	08/08/12 01:56	1
Arsenic	9200		1100	340	ug/Kg	☼	08/02/12 10:41	08/08/12 01:56	1
Copper	1300000		2800	840	ug/Kg	☼	08/02/12 10:41	08/08/12 01:56	1
Iron	12000000		11000	5600	ug/Kg	☼	08/02/12 10:41	08/08/12 01:56	1
Lead	56000		340	220	ug/Kg	☼	08/02/12 10:41	08/08/12 01:56	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-08NW-0602-SSXX

Lab Sample ID: 240-13653-34

Date Collected: 07/26/12 12:12

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 83.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	990	U	990	390	ug/Kg	☼	08/02/12 10:41	08/08/12 02:02	1
Arsenic	8700		990	300	ug/Kg	☼	08/02/12 10:41	08/08/12 02:02	1
Copper	1200000		2500	740	ug/Kg	☼	08/02/12 10:41	08/08/12 02:02	1
Iron	7200000		9900	4900	ug/Kg	☼	08/02/12 10:41	08/08/12 02:02	1
Lead	38000		300	190	ug/Kg	☼	08/02/12 10:41	08/08/12 02:02	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-08NW-0205-SSXX

Lab Sample ID: 240-13653-35

Date Collected: 07/26/12 12:14

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 90.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	840	U	840	330	ug/Kg	☼	08/02/12 10:41	08/08/12 02:07	1
Arsenic	3700		840	250	ug/Kg	☼	08/02/12 10:41	08/08/12 02:07	1
Copper	4800000		10000	3100	ug/Kg	☼	08/02/12 10:41	08/08/12 20:00	5
Iron	9300000		8400	4100	ug/Kg	☼	08/02/12 10:41	08/08/12 02:07	1
Lead	6500		1300	800	ug/Kg	☼	08/02/12 10:41	08/08/12 20:00	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-08SE-0006-SSXX

Lab Sample ID: 240-13653-36

Date Collected: 07/26/12 12:20

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 83.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1100	U	1100	430	ug/Kg	☼	08/02/12 10:41	08/08/12 02:13	1
Arsenic	6200		1100	330	ug/Kg	☼	08/02/12 10:41	08/08/12 02:13	1
Copper	160000		2700	810	ug/Kg	☼	08/02/12 10:41	08/08/12 02:13	1
Iron	13000000		11000	5400	ug/Kg	☼	08/02/12 10:41	08/08/12 02:13	1
Lead	7200		330	210	ug/Kg	☼	08/02/12 10:41	08/08/12 02:13	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-08SE-0602-SSXX

Lab Sample ID: 240-13653-37

Date Collected: 07/26/12 12:21

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 82.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1200	U	1200	470	ug/Kg	☼	08/02/12 10:41	08/08/12 20:17	1
Arsenic	2600		1200	360	ug/Kg	☼	08/02/12 10:41	08/08/12 02:19	1
Copper	50000		3000	900	ug/Kg	☼	08/02/12 10:41	08/08/12 02:19	1
Iron	11000000		12000	5900	ug/Kg	☼	08/02/12 10:41	08/08/12 02:19	1
Lead	1500		360	230	ug/Kg	☼	08/02/12 10:41	08/08/12 02:19	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-08SE-0205-SSXX

Lab Sample ID: 240-13653-38

Date Collected: 07/26/12 12:22

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 81.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	950	U	950	370	ug/Kg	☼	08/02/12 10:41	08/08/12 02:24	1
Arsenic	4100		950	290	ug/Kg	☼	08/02/12 10:41	08/08/12 02:24	1
Copper	13000		2400	700	ug/Kg	☼	08/02/12 10:41	08/08/12 02:24	1
Iron	11000000		9500	4700	ug/Kg	☼	08/02/12 10:41	08/08/12 02:24	1
Lead	1300		290	180	ug/Kg	☼	08/02/12 10:41	08/08/12 02:24	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-08NE-0006-SSXX

Lab Sample ID: 240-13653-39

Date Collected: 07/26/12 12:25

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 42.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1300	J	1900	750	ug/Kg	☼	08/02/12 10:41	08/08/12 02:30	1
Arsenic	23000		1900	570	ug/Kg	☼	08/02/12 10:41	08/08/12 02:30	1
Copper	340000		4800	1400	ug/Kg	☼	08/02/12 10:41	08/08/12 02:30	1
Iron	21000000		19000	9400	ug/Kg	☼	08/02/12 10:41	08/08/12 02:30	1
Lead	15000		570	360	ug/Kg	☼	08/02/12 10:41	08/08/12 02:30	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-08NE-0602-SSXX

Lab Sample ID: 240-13653-40

Date Collected: 07/26/12 12:26

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 74.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	960	J	1300	490	ug/Kg	☼	08/02/12 11:30	08/08/12 18:18	1
Arsenic	15000		1300	380	ug/Kg	☼	08/02/12 11:30	08/07/12 21:34	1
Copper	1400000		3200	930	ug/Kg	☼	08/02/12 11:30	08/07/12 21:34	1
Iron	25000000		13000	6200	ug/Kg	☼	08/02/12 11:30	08/07/12 21:34	1
Lead	12000		380	240	ug/Kg	☼	08/02/12 11:30	08/07/12 21:34	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-08NE-0205-SSXX

Lab Sample ID: 240-13653-41

Date Collected: 07/26/12 12:27

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 60.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1300	U	1300	510	ug/Kg	☼	08/02/12 11:30	08/08/12 18:24	1
Arsenic	3400		1300	400	ug/Kg	☼	08/02/12 11:30	08/07/12 21:40	1
Copper	30000		3300	970	ug/Kg	☼	08/02/12 11:30	08/07/12 21:40	1
Iron	18000000		13000	6500	ug/Kg	☼	08/02/12 11:30	08/07/12 21:40	1
Lead	780		400	250	ug/Kg	☼	08/02/12 11:30	08/07/12 21:40	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-06SE-0006-SSXX

Lab Sample ID: 240-13653-44

Date Collected: 07/26/12 12:52

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 90.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1100	U	1100	430	ug/Kg	☼	08/02/12 11:30	08/08/12 18:29	1
Arsenic	20000		1100	330	ug/Kg	☼	08/02/12 11:30	08/07/12 21:46	1
Copper	640000		2800	810	ug/Kg	☼	08/02/12 11:30	08/07/12 21:46	1
Iron	10000000		11000	5400	ug/Kg	☼	08/02/12 11:30	08/07/12 21:46	1
Lead	4000		330	210	ug/Kg	☼	08/02/12 11:30	08/07/12 21:46	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-06SE-0602-SSXX

Lab Sample ID: 240-13653-45

Date Collected: 07/26/12 12:53

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 92.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	420	J	970	380	ug/Kg	☼	08/02/12 11:30	08/08/12 18:35	1
Arsenic	2700		970	290	ug/Kg	☼	08/02/12 11:30	08/07/12 21:51	1
Copper	3700000		2400	720	ug/Kg	☼	08/02/12 11:30	08/07/12 21:51	1
Iron	11000000		9700	4800	ug/Kg	☼	08/02/12 11:30	08/07/12 21:51	1
Lead	3200		290	180	ug/Kg	☼	08/02/12 11:30	08/07/12 21:51	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-06SE-0205-SSXX

Lab Sample ID: 240-13653-46

Date Collected: 07/26/12 12:54

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 80.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1200	U	1200	460	ug/Kg	☼	08/02/12 11:30	08/08/12 18:41	1
Arsenic	2600		1200	350	ug/Kg	☼	08/02/12 11:30	08/07/12 21:57	1
Copper	30000		2900	860	ug/Kg	☼	08/02/12 11:30	08/07/12 21:57	1
Iron	15000000		12000	5700	ug/Kg	☼	08/02/12 11:30	08/07/12 21:57	1
Lead	2900		350	220	ug/Kg	☼	08/02/12 11:30	08/07/12 21:57	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-06NE-0006-SSXX

Lab Sample ID: 240-13653-47

Date Collected: 07/26/12 13:06

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 88.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	660	J	960	380	ug/Kg	☼	08/02/12 11:30	08/08/12 18:46	1
Arsenic	7300		960	290	ug/Kg	☼	08/02/12 11:30	08/07/12 22:14	1
Copper	1200000		2400	710	ug/Kg	☼	08/02/12 11:30	08/07/12 22:14	1
Iron	12000000		9600	4700	ug/Kg	☼	08/02/12 11:30	08/07/12 22:14	1
Lead	76000		290	180	ug/Kg	☼	08/02/12 11:30	08/07/12 22:14	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-06NE-0602-SSXX

Lab Sample ID: 240-13653-48

Date Collected: 07/26/12 13:07

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 89.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	510	J	1000	400	ug/Kg	☼	08/02/12 11:30	08/08/12 18:52	1
Arsenic	18000		1000	300	ug/Kg	☼	08/02/12 11:30	08/07/12 22:20	1
Copper	68000		2500	750	ug/Kg	☼	08/02/12 11:30	08/07/12 22:20	1
Iron	16000000		10000	5000	ug/Kg	☼	08/02/12 11:30	08/07/12 22:20	1
Lead	3300		300	190	ug/Kg	☼	08/02/12 11:30	08/07/12 22:20	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-06NE-0205-SSXX

Lab Sample ID: 240-13653-49

Date Collected: 07/26/12 13:08

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 89.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1000	U	1000	400	ug/Kg	☼	08/02/12 11:30	08/08/12 19:09	1
Arsenic	4800		1000	310	ug/Kg	☼	08/02/12 11:30	08/07/12 22:26	1
Copper	99000		2600	760	ug/Kg	☼	08/02/12 11:30	08/07/12 22:26	1
Iron	4500000		10000	5000	ug/Kg	☼	08/02/12 11:30	08/07/12 22:26	1
Lead	25000		310	190	ug/Kg	☼	08/02/12 11:30	08/07/12 22:26	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-06NW-0006-SSXX

Lab Sample ID: 240-13653-50

Date Collected: 07/26/12 13:18

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 87.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	690	J	990	380	ug/Kg	☼	08/02/12 11:30	08/08/12 19:15	1
Arsenic	5800		990	300	ug/Kg	☼	08/02/12 11:30	08/07/12 22:31	1
Copper	400000		2500	730	ug/Kg	☼	08/02/12 11:30	08/07/12 22:31	1
Iron	7300000		9900	4800	ug/Kg	☼	08/02/12 11:30	08/07/12 22:31	1
Lead	31000		300	190	ug/Kg	☼	08/02/12 11:30	08/07/12 22:31	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-06NW-0602-SSXX

Lab Sample ID: 240-13653-51

Date Collected: 07/26/12 13:19

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 89.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1000	J	1100	410	ug/Kg	☼	08/02/12 11:30	08/08/12 19:21	1
Arsenic	7600		1100	320	ug/Kg	☼	08/02/12 11:30	08/07/12 22:37	1
Copper	920000		2600	780	ug/Kg	☼	08/02/12 11:30	08/07/12 22:37	1
Iron	12000000		11000	5200	ug/Kg	☼	08/02/12 11:30	08/07/12 22:37	1
Lead	25000		320	200	ug/Kg	☼	08/02/12 11:30	08/07/12 22:37	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-06NW-0205-SSXX

Lab Sample ID: 240-13653-52

Date Collected: 07/26/12 13:20

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 81.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	580	J	1200	480	ug/Kg	☼	08/02/12 11:30	08/08/12 18:01	1
Arsenic	10000		1200	370	ug/Kg	☼	08/02/12 11:30	08/07/12 21:17	1
Copper	38000		3100	900	ug/Kg	☼	08/02/12 11:30	08/07/12 21:17	1
Iron	11000000		12000	6000	ug/Kg	☼	08/02/12 11:30	08/07/12 21:17	1
Lead	1900		370	230	ug/Kg	☼	08/02/12 11:30	08/07/12 21:17	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-06SW-0006-SSXX

Lab Sample ID: 240-13653-53

Date Collected: 07/26/12 13:25

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 84.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1100	U	1100	440	ug/Kg	☼	08/02/12 11:30	08/08/12 19:26	1
Arsenic	11000		1100	340	ug/Kg	☼	08/02/12 11:30	08/07/12 22:43	1
Copper	89000		2800	830	ug/Kg	☼	08/02/12 11:30	08/07/12 22:43	1
Iron	4400000		11000	5500	ug/Kg	☼	08/02/12 11:30	08/07/12 22:43	1
Lead	20000		340	210	ug/Kg	☼	08/02/12 11:30	08/07/12 22:43	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-06SW-0602-SSXX

Lab Sample ID: 240-13653-54

Date Collected: 07/26/12 13:26

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 84.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1000	U	1000	410	ug/Kg	☼	08/02/12 11:30	08/08/12 19:32	1
Arsenic	2300		1000	310	ug/Kg	☼	08/02/12 11:30	08/07/12 22:48	1
Copper	29000		2600	770	ug/Kg	☼	08/02/12 11:30	08/07/12 22:48	1
Iron	3800000		10000	5100	ug/Kg	☼	08/02/12 11:30	08/07/12 22:48	1
Lead	1500		310	200	ug/Kg	☼	08/02/12 11:30	08/07/12 22:48	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-06SW-0205-SSXX

Lab Sample ID: 240-13653-55

Date Collected: 07/26/12 13:27

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 56.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1600	U	1600	610	ug/Kg	☼	08/02/12 11:30	08/08/12 19:38	1
Arsenic	13000		1600	470	ug/Kg	☼	08/02/12 11:30	08/07/12 22:54	1
Copper	240000		3900	1100	ug/Kg	☼	08/02/12 11:30	08/07/12 22:54	1
Iron	21000000		16000	7600	ug/Kg	☼	08/02/12 11:30	08/07/12 22:54	1
Lead	9500		470	290	ug/Kg	☼	08/02/12 11:30	08/07/12 22:54	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-07SW-0006-SSXX

Lab Sample ID: 240-13653-58

Date Collected: 07/26/12 13:48

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 86.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1000	U	1000	400	ug/Kg	☼	08/02/12 11:30	08/08/12 19:43	1
Arsenic	6500		1000	310	ug/Kg	☼	08/02/12 11:30	08/07/12 23:00	1
Copper	530000		2600	760	ug/Kg	☼	08/02/12 11:30	08/07/12 23:00	1
Iron	7200000		10000	5000	ug/Kg	☼	08/02/12 11:30	08/07/12 23:00	1
Lead	23000		310	200	ug/Kg	☼	08/02/12 11:30	08/07/12 23:00	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-07SW-0602-SSXX

Lab Sample ID: 240-13653-59

Date Collected: 07/26/12 13:49

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 85.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	860	J	1100	420	ug/Kg	☼	08/02/12 11:30	08/08/12 19:49	1
Arsenic	17000		1100	320	ug/Kg	☼	08/02/12 11:30	08/07/12 23:05	1
Copper	4000000		2700	790	ug/Kg	☼	08/02/12 11:30	08/07/12 23:05	1
Iron	15000000		11000	5200	ug/Kg	☼	08/02/12 11:30	08/07/12 23:05	1
Lead	57000		320	200	ug/Kg	☼	08/02/12 11:30	08/07/12 23:05	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-07SW-0205-SSXX

Lab Sample ID: 240-13653-60

Date Collected: 07/26/12 13:50

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 89.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1200		970	380	ug/Kg	☼	08/02/12 11:30	08/07/12 23:22	1
Arsenic	30000		970	290	ug/Kg	☼	08/02/12 11:30	08/07/12 23:22	1
Copper	490000		2400	720	ug/Kg	☼	08/02/12 11:30	08/07/12 23:22	1
Iron	33000000		9700	4700	ug/Kg	☼	08/02/12 11:30	08/07/12 23:22	1
Lead	46000		290	180	ug/Kg	☼	08/02/12 11:30	08/07/12 23:22	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-07NW-0006-SSXX

Lab Sample ID: 240-13653-61

Date Collected: 07/26/12 13:56

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 87.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1100	U	1100	430	ug/Kg	☼	08/02/12 11:30	08/07/12 23:28	1
Arsenic	15000		1100	330	ug/Kg	☼	08/02/12 11:30	08/07/12 23:28	1
Copper	23000		2700	810	ug/Kg	☼	08/02/12 11:30	08/07/12 23:28	1
Iron	1400000		11000	5300	ug/Kg	☼	08/02/12 11:30	08/07/12 23:28	1
Lead	4700		330	210	ug/Kg	☼	08/02/12 11:30	08/07/12 23:28	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-07NW-0602-SSXX

Lab Sample ID: 240-13653-62

Date Collected: 07/26/12 13:57

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 85.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1100	U	1100	420	ug/Kg	☼	08/02/12 11:30	08/07/12 23:34	1
Arsenic	23000		1100	330	ug/Kg	☼	08/02/12 11:30	08/07/12 23:34	1
Copper	890000		2700	800	ug/Kg	☼	08/02/12 11:30	08/07/12 23:34	1
Iron	8400000		11000	5300	ug/Kg	☼	08/02/12 11:30	08/07/12 23:34	1
Lead	14000		330	210	ug/Kg	☼	08/02/12 11:30	08/07/12 23:34	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-07NW-0205-SSXX

Lab Sample ID: 240-13653-63

Date Collected: 07/26/12 13:58

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 88.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	990	U	990	390	ug/Kg	☼	08/02/12 11:30	08/07/12 23:39	1
Arsenic	13000		990	300	ug/Kg	☼	08/02/12 11:30	08/07/12 23:39	1
Copper	34000		2500	730	ug/Kg	☼	08/02/12 11:30	08/07/12 23:39	1
Iron	5200000		9900	4800	ug/Kg	☼	08/02/12 11:30	08/07/12 23:39	1
Lead	2600		300	190	ug/Kg	☼	08/02/12 11:30	08/07/12 23:39	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-07SE-0006-SSXX

Lab Sample ID: 240-13653-64

Date Collected: 07/26/12 14:04

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 84.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1100	U	1100	420	ug/Kg	☼	08/02/12 12:37	08/06/12 23:47	1
Arsenic	6500		1100	320	ug/Kg	☼	08/02/12 12:37	08/06/12 23:47	1
Copper	290000		2700	790	ug/Kg	☼	08/02/12 12:37	08/06/12 23:47	1
Iron	6800000		11000	5200	ug/Kg	☼	08/02/12 12:37	08/06/12 23:47	1
Lead	26000		320	200	ug/Kg	☼	08/02/12 12:37	08/06/12 23:47	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-07SE-0602-SSXX

Lab Sample ID: 240-13653-65

Date Collected: 07/26/12 14:05

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 93.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	450	J B	950	370	ug/Kg	☼	08/02/12 12:37	08/06/12 23:53	1
Arsenic	4400		950	290	ug/Kg	☼	08/02/12 12:37	08/06/12 23:53	1
Copper	100000		2400	710	ug/Kg	☼	08/02/12 12:37	08/06/12 23:53	1
Iron	14000000		9500	4700	ug/Kg	☼	08/02/12 12:37	08/06/12 23:53	1
Lead	1100		290	180	ug/Kg	☼	08/02/12 12:37	08/06/12 23:53	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-07SE-0205-SSXX

Lab Sample ID: 240-13653-66

Date Collected: 07/26/12 14:06

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 79.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	850	J B	1100	420	ug/Kg	☼	08/02/12 12:37	08/06/12 23:58	1
Arsenic	12000		1100	320	ug/Kg	☼	08/02/12 12:37	08/06/12 23:58	1
Copper	3900000		2700	790	ug/Kg	☼	08/02/12 12:37	08/06/12 23:58	1
Iron	20000000		11000	5300	ug/Kg	☼	08/02/12 12:37	08/06/12 23:58	1
Lead	6000		320	200	ug/Kg	☼	08/02/12 12:37	08/06/12 23:58	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-07NE-0006-SSXX

Lab Sample ID: 240-13653-67

Date Collected: 07/26/12 14:15

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 86.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	950	J B	980	380	ug/Kg	☼	08/02/12 12:37	08/07/12 00:04	1
Arsenic	8700		980	290	ug/Kg	☼	08/02/12 12:37	08/07/12 00:04	1
Copper	340000		2400	720	ug/Kg	☼	08/02/12 12:37	08/07/12 00:04	1
Iron	28000000		9800	4800	ug/Kg	☼	08/02/12 12:37	08/07/12 00:04	1
Lead	19000		290	190	ug/Kg	☼	08/02/12 12:37	08/07/12 00:04	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-07NE-0602-SSXX

Lab Sample ID: 240-13653-68

Date Collected: 07/26/12 14:16

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 91.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	630	J B	830	320	ug/Kg	☼	08/02/12 12:37	08/07/12 00:21	1
Arsenic	5600		830	250	ug/Kg	☼	08/02/12 12:37	08/07/12 00:21	1
Copper	28000		2100	610	ug/Kg	☼	08/02/12 12:37	08/07/12 00:21	1
Iron	8300000		8300	4100	ug/Kg	☼	08/02/12 12:37	08/07/12 00:21	1
Lead	1800		250	160	ug/Kg	☼	08/02/12 12:37	08/07/12 00:21	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-07NE-0205-SSXX

Lab Sample ID: 240-13653-69

Date Collected: 07/26/12 14:17

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 97.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	590	J B	850	330	ug/Kg	☼	08/02/12 12:37	08/07/12 00:27	1
Arsenic	3300		850	250	ug/Kg	☼	08/02/12 12:37	08/07/12 00:27	1
Copper	5400000		11000	3100	ug/Kg	☼	08/02/12 12:37	08/07/12 20:49	5
Iron	4200000		8500	4200	ug/Kg	☼	08/02/12 12:37	08/07/12 00:27	1
Lead	1200	J	1300	810	ug/Kg	☼	08/02/12 12:37	08/07/12 20:49	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-12NE-0006-SSXX

Lab Sample ID: 240-13653-72

Date Collected: 07/26/12 14:36

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 89.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	490	J B	1100	430	ug/Kg	☼	08/02/12 12:37	08/07/12 00:32	1
Arsenic	14000		1100	330	ug/Kg	☼	08/02/12 12:37	08/07/12 00:32	1
Copper	1300000		2700	810	ug/Kg	☼	08/02/12 12:37	08/07/12 00:32	1
Iron	13000000		11000	5400	ug/Kg	☼	08/02/12 12:37	08/07/12 00:32	1
Lead	100000		330	210	ug/Kg	☼	08/02/12 12:37	08/07/12 00:32	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-12NE-0602-SSXX

Lab Sample ID: 240-13653-73

Date Collected: 07/26/12 14:37

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 90.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	540	J B	1100	420	ug/Kg	☼	08/02/12 12:37	08/07/12 00:38	1
Arsenic	12000		1100	320	ug/Kg	☼	08/02/12 12:37	08/07/12 00:38	1
Copper	980000		2700	790	ug/Kg	☼	08/02/12 12:37	08/07/12 00:38	1
Iron	11000000		11000	5200	ug/Kg	☼	08/02/12 12:37	08/07/12 00:38	1
Lead	56000		320	200	ug/Kg	☼	08/02/12 12:37	08/07/12 00:38	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-12NE-0205-SSXX

Lab Sample ID: 240-13653-74

Date Collected: 07/26/12 14:38

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 89.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	480	J B	980	380	ug/Kg	☼	08/02/12 12:37	08/07/12 00:44	1
Arsenic	12000		980	290	ug/Kg	☼	08/02/12 12:37	08/07/12 00:44	1
Copper	980000		2400	720	ug/Kg	☼	08/02/12 12:37	08/07/12 00:44	1
Iron	14000000		9800	4800	ug/Kg	☼	08/02/12 12:37	08/07/12 00:44	1
Lead	61000		290	190	ug/Kg	☼	08/02/12 12:37	08/07/12 00:44	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-12SE-0006-SSXX

Lab Sample ID: 240-13653-75

Date Collected: 07/26/12 14:46

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 86.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1000	J B	1100	430	ug/Kg	☼	08/02/12 12:37	08/07/12 00:49	1
Arsenic	18000		1100	330	ug/Kg	☼	08/02/12 12:37	08/07/12 00:49	1
Copper	240000		2800	820	ug/Kg	☼	08/02/12 12:37	08/07/12 00:49	1
Iron	18000000		11000	5400	ug/Kg	☼	08/02/12 12:37	08/07/12 00:49	1
Lead	41000		330	210	ug/Kg	☼	08/02/12 12:37	08/07/12 00:49	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-12SE-0602-SSXX

Lab Sample ID: 240-13653-76

Date Collected: 07/26/12 14:47

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 88.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	410	J B	1000	400	ug/Kg	☼	08/02/12 12:37	08/07/12 00:55	1
Arsenic	14000		1000	300	ug/Kg	☼	08/02/12 12:37	08/07/12 00:55	1
Copper	430000		2500	750	ug/Kg	☼	08/02/12 12:37	08/07/12 00:55	1
Iron	13000000		10000	5000	ug/Kg	☼	08/02/12 12:37	08/07/12 00:55	1
Lead	120000		300	190	ug/Kg	☼	08/02/12 12:37	08/07/12 00:55	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-12SE-0205-SSXX

Lab Sample ID: 240-13653-77

Date Collected: 07/26/12 14:48

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 77.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	590	J B	1200	470	ug/Kg	☼	08/02/12 12:37	08/07/12 01:01	1
Arsenic	13000		1200	360	ug/Kg	☼	08/02/12 12:37	08/07/12 01:01	1
Copper	51000		3000	900	ug/Kg	☼	08/02/12 12:37	08/07/12 01:01	1
Iron	13000000		12000	5900	ug/Kg	☼	08/02/12 12:37	08/07/12 01:01	1
Lead	5100		360	230	ug/Kg	☼	08/02/12 12:37	08/07/12 01:01	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-12SW-0006-SSXX

Lab Sample ID: 240-13653-78

Date Collected: 07/26/12 14:54

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 85.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	770	J B	1100	420	ug/Kg	☼	08/02/12 12:37	08/07/12 01:06	1
Arsenic	9300		1100	330	ug/Kg	☼	08/02/12 12:37	08/07/12 01:06	1
Copper	520000		2700	800	ug/Kg	☼	08/02/12 12:37	08/07/12 01:06	1
Iron	7000000		11000	5300	ug/Kg	☼	08/02/12 12:37	08/07/12 01:06	1
Lead	37000		330	210	ug/Kg	☼	08/02/12 12:37	08/07/12 01:06	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-12SW-0602-SSXX

Lab Sample ID: 240-13653-79

Date Collected: 07/26/12 14:55

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 84.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1100	B	1100	430	ug/Kg	☼	08/02/12 12:37	08/07/12 01:12	1
Arsenic	12000		1100	330	ug/Kg	☼	08/02/12 12:37	08/07/12 01:12	1
Copper	500000		2800	820	ug/Kg	☼	08/02/12 12:37	08/07/12 01:12	1
Iron	17000000		11000	5400	ug/Kg	☼	08/02/12 12:37	08/07/12 01:12	1
Lead	61000		330	210	ug/Kg	☼	08/02/12 12:37	08/07/12 01:12	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-12SW-0205-SSXX

Lab Sample ID: 240-13653-80

Date Collected: 07/26/12 14:56

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 84.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1000	U	1000	390	ug/Kg	☼	08/02/12 12:37	08/07/12 01:29	1
Arsenic	5200		1000	300	ug/Kg	☼	08/02/12 12:37	08/07/12 01:29	1
Copper	140000		2500	750	ug/Kg	☼	08/02/12 12:37	08/07/12 01:29	1
Iron	7500000		10000	4900	ug/Kg	☼	08/02/12 12:37	08/07/12 01:29	1
Lead	25000		300	190	ug/Kg	☼	08/02/12 12:37	08/07/12 01:29	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-12NW-0006-SSXX

Lab Sample ID: 240-13653-81

Date Collected: 07/26/12 15:00

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 89.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	740	J B	940	370	ug/Kg	☼	08/02/12 12:37	08/07/12 01:35	1
Arsenic	5000		940	280	ug/Kg	☼	08/02/12 12:37	08/07/12 01:35	1
Copper	1100000		2400	700	ug/Kg	☼	08/02/12 12:37	08/07/12 01:35	1
Iron	11000000		9400	4600	ug/Kg	☼	08/02/12 12:37	08/07/12 01:35	1
Lead	17000		280	180	ug/Kg	☼	08/02/12 12:37	08/07/12 01:35	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-12NW-0602-SSXX

Lab Sample ID: 240-13653-82

Date Collected: 07/26/12 15:01

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 90.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1100	U	1100	420	ug/Kg	☼	08/02/12 12:37	08/06/12 23:24	1
Arsenic	10000		1100	320	ug/Kg	☼	08/02/12 12:37	08/06/12 23:24	1
Copper	610000		2700	790	ug/Kg	☼	08/02/12 12:37	08/06/12 23:24	1
Iron	11000000		11000	5200	ug/Kg	☼	08/02/12 12:37	08/06/12 23:24	1
Lead	16000		320	200	ug/Kg	☼	08/02/12 12:37	08/06/12 23:24	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-12NW-0205-SSXX

Lab Sample ID: 240-13653-83

Date Collected: 07/26/12 15:04

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 89.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	670	J B	1100	420	ug/Kg	☼	08/02/12 12:37	08/07/12 01:40	1
Arsenic	11000		1100	330	ug/Kg	☼	08/02/12 12:37	08/07/12 01:40	1
Copper	630000		2700	800	ug/Kg	☼	08/02/12 12:37	08/07/12 01:40	1
Iron	11000000		11000	5300	ug/Kg	☼	08/02/12 12:37	08/07/12 01:40	1
Lead	24000		330	210	ug/Kg	☼	08/02/12 12:37	08/07/12 01:40	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-13NW-0006-SSXX

Lab Sample ID: 240-13653-86

Date Collected: 07/26/12 15:21

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 90.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	860	J B	1000	410	ug/Kg	☼	08/02/12 12:37	08/07/12 01:46	1
Arsenic	6800		1000	310	ug/Kg	☼	08/02/12 12:37	08/07/12 01:46	1
Copper	160000		2600	770	ug/Kg	☼	08/02/12 12:37	08/07/12 01:46	1
Iron	21000000		10000	5100	ug/Kg	☼	08/02/12 12:37	08/07/12 01:46	1
Lead	14000		310	200	ug/Kg	☼	08/02/12 12:37	08/07/12 01:46	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-13NW-0602-SSXX

Lab Sample ID: 240-13653-87

Date Collected: 07/26/12 15:22

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 69.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1100	J B	1400	540	ug/Kg	☼	08/02/12 12:37	08/07/12 01:52	1
Arsenic	47000		1400	420	ug/Kg	☼	08/02/12 12:37	08/07/12 01:52	1
Copper	400000		3500	1000	ug/Kg	☼	08/02/12 12:37	08/07/12 01:52	1
Iron	7300000		14000	6800	ug/Kg	☼	08/02/12 12:37	08/07/12 01:52	1
Lead	34000		420	260	ug/Kg	☼	08/02/12 12:37	08/07/12 01:52	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-13NW-0205-SSXX

Lab Sample ID: 240-13653-88

Date Collected: 07/26/12 15:23

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 84.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1200	U	1200	460	ug/Kg	☼	08/03/12 09:56	08/08/12 21:31	1
Arsenic	6300		1200	360	ug/Kg	☼	08/03/12 09:56	08/08/12 21:31	1
Copper	81000		3000	880	ug/Kg	☼	08/03/12 09:56	08/08/12 21:31	1
Iron	8400000	B	12000	5800	ug/Kg	☼	08/03/12 09:56	08/08/12 21:31	1
Lead	5400		360	230	ug/Kg	☼	08/03/12 09:56	08/08/12 21:31	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-13SW-0006-SSXX

Lab Sample ID: 240-13653-89

Date Collected: 07/26/12 15:39

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 87.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1100	U	1100	420	ug/Kg	☼	08/03/12 09:56	08/08/12 21:54	1
Arsenic	5400		1100	330	ug/Kg	☼	08/03/12 09:56	08/08/12 21:54	1
Copper	220000		2700	800	ug/Kg	☼	08/03/12 09:56	08/08/12 21:54	1
Iron	7200000	B	11000	5300	ug/Kg	☼	08/03/12 09:56	08/08/12 21:54	1
Lead	9900		330	210	ug/Kg	☼	08/03/12 09:56	08/08/12 21:54	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-13SW-0602-SSXX

Lab Sample ID: 240-13653-90

Date Collected: 07/26/12 15:40

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 81.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1100	U	1100	410	ug/Kg	☼	08/03/12 09:56	08/09/12 14:09	1
Arsenic	7700		1100	320	ug/Kg	☼	08/03/12 09:56	08/08/12 22:00	1
Copper	160000		2700	790	ug/Kg	☼	08/03/12 09:56	08/08/12 22:00	1
Iron	16000000	B	11000	5200	ug/Kg	☼	08/03/12 09:56	08/08/12 22:00	1
Lead	12000		320	200	ug/Kg	☼	08/03/12 09:56	08/08/12 22:00	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-13SW-0205-SSXX

Lab Sample ID: 240-13653-91

Date Collected: 07/26/12 15:41

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 84.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	510	J	970	380	ug/Kg	☼	08/03/12 09:56	08/08/12 22:05	1
Arsenic	6000		970	290	ug/Kg	☼	08/03/12 09:56	08/08/12 22:05	1
Copper	18000		2400	720	ug/Kg	☼	08/03/12 09:56	08/08/12 22:05	1
Iron	7100000	B	9700	4700	ug/Kg	☼	08/03/12 09:56	08/08/12 22:05	1
Lead	1800		290	180	ug/Kg	☼	08/03/12 09:56	08/08/12 22:05	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-13SE-0006-SSXX

Lab Sample ID: 240-13653-92

Date Collected: 07/26/12 15:51

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 87.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	670	J	980	380	ug/Kg	☼	08/03/12 09:56	08/08/12 22:11	1
Arsenic	9300		980	290	ug/Kg	☼	08/03/12 09:56	08/08/12 22:11	1
Copper	110000		2400	720	ug/Kg	☼	08/03/12 09:56	08/08/12 22:11	1
Iron	7600000	B	9800	4800	ug/Kg	☼	08/03/12 09:56	08/08/12 22:11	1
Lead	12000		290	190	ug/Kg	☼	08/03/12 09:56	08/08/12 22:11	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-13SE-0602-SSXX

Lab Sample ID: 240-13653-93

Date Collected: 07/26/12 15:52

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 88.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1100	U	1100	410	ug/Kg	☼	08/03/12 09:56	08/08/12 22:17	1
Arsenic	1400		1100	320	ug/Kg	☼	08/03/12 09:56	08/08/12 22:17	1
Copper	59000		2600	780	ug/Kg	☼	08/03/12 09:56	08/08/12 22:17	1
Iron	3100000	B	11000	5200	ug/Kg	☼	08/03/12 09:56	08/08/12 22:17	1
Lead	14000		320	200	ug/Kg	☼	08/03/12 09:56	08/08/12 22:17	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-13SE-0205-SSXX

Lab Sample ID: 240-13653-94

Date Collected: 07/26/12 15:53

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 85.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	450	J	1000	400	ug/Kg	☼	08/03/12 09:56	08/08/12 22:34	1
Arsenic	9100		1000	310	ug/Kg	☼	08/03/12 09:56	08/08/12 22:34	1
Copper	91000		2600	760	ug/Kg	☼	08/03/12 09:56	08/08/12 22:34	1
Iron	5900000	B	10000	5000	ug/Kg	☼	08/03/12 09:56	08/08/12 22:34	1
Lead	23000		310	190	ug/Kg	☼	08/03/12 09:56	08/08/12 22:34	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-13NE-0006-SSXX

Lab Sample ID: 240-13653-95

Date Collected: 07/26/12 15:59

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 90.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1000	U	1000	400	ug/Kg	☼	08/03/12 09:56	08/08/12 22:39	1
Arsenic	9200		1000	310	ug/Kg	☼	08/03/12 09:56	08/08/12 22:39	1
Copper	110000		2600	760	ug/Kg	☼	08/03/12 09:56	08/08/12 22:39	1
Iron	6300000	B	10000	5100	ug/Kg	☼	08/03/12 09:56	08/08/12 22:39	1
Lead	8600		310	200	ug/Kg	☼	08/03/12 09:56	08/08/12 22:39	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-13NE-0602-SSXX

Lab Sample ID: 240-13653-96

Date Collected: 07/26/12 16:00

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 87.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	500	J	1000	410	ug/Kg	☼	08/03/12 09:56	08/08/12 22:45	1
Arsenic	3700		1000	310	ug/Kg	☼	08/03/12 09:56	08/08/12 22:45	1
Copper	400000		2600	770	ug/Kg	☼	08/03/12 09:56	08/08/12 22:45	1
Iron	2400000	B	10000	5100	ug/Kg	☼	08/03/12 09:56	08/08/12 22:45	1
Lead	8700		310	200	ug/Kg	☼	08/03/12 09:56	08/08/12 22:45	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-13NE-0205-SSXX

Lab Sample ID: 240-13653-97

Date Collected: 07/26/12 16:01

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 86.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1100	U	1100	420	ug/Kg	☼	08/03/12 09:56	08/08/12 22:51	1
Arsenic	4400		1100	320	ug/Kg	☼	08/03/12 09:56	08/08/12 22:51	1
Copper	160000		2700	800	ug/Kg	☼	08/03/12 09:56	08/08/12 22:51	1
Iron	7800000	B	11000	5300	ug/Kg	☼	08/03/12 09:56	08/08/12 22:51	1
Lead	7200		320	200	ug/Kg	☼	08/03/12 09:56	08/08/12 22:51	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-DP05-XXXX-SSFD

Lab Sample ID: 240-13653-100

Date Collected: 07/26/12 00:00

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 82.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	680	J	1100	440	ug/Kg	☼	08/03/12 09:56	08/08/12 22:56	1
Arsenic	12000		1100	330	ug/Kg	☼	08/03/12 09:56	08/08/12 22:56	1
Copper	570000		2800	830	ug/Kg	☼	08/03/12 09:56	08/08/12 22:56	1
Iron	10000000	B	11000	5500	ug/Kg	☼	08/03/12 09:56	08/08/12 22:56	1
Lead	57000		330	210	ug/Kg	☼	08/03/12 09:56	08/08/12 22:56	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-DP06-XXXX-SSFD

Lab Sample ID: 240-13653-101

Date Collected: 07/26/12 00:00

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 94.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	980	U	980	380	ug/Kg	☼	08/03/12 09:56	08/08/12 23:02	1
Arsenic	670	J	980	290	ug/Kg	☼	08/03/12 09:56	08/08/12 23:02	1
Copper	8000		2500	730	ug/Kg	☼	08/03/12 09:56	08/08/12 23:02	1
Iron	3500000	B	9800	4800	ug/Kg	☼	08/03/12 09:56	08/08/12 23:02	1
Lead	1200		290	190	ug/Kg	☼	08/03/12 09:56	08/08/12 23:02	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-DP07-XXXX-SSFD

Lab Sample ID: 240-13653-102

Date Collected: 07/26/12 00:00

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 85.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1100	U	1100	430	ug/Kg	☼	08/03/12 09:56	08/08/12 23:08	1
Arsenic	6800		1100	330	ug/Kg	☼	08/03/12 09:56	08/08/12 23:08	1
Copper	2200000		2700	810	ug/Kg	☼	08/03/12 09:56	08/08/12 23:08	1
Iron	12000000	B	11000	5400	ug/Kg	☼	08/03/12 09:56	08/08/12 23:08	1
Lead	56000		330	210	ug/Kg	☼	08/03/12 09:56	08/08/12 23:08	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-DP08-XXXX-SSFD

Lab Sample ID: 240-13653-103

Date Collected: 07/26/12 00:00

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 87.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1100	U	1100	430	ug/Kg	☼	08/03/12 09:56	08/08/12 23:13	1
Arsenic	2900		1100	330	ug/Kg	☼	08/03/12 09:56	08/08/12 23:13	1
Copper	18000		2800	820	ug/Kg	☼	08/03/12 09:56	08/08/12 23:13	1
Iron	6300000	B	11000	5400	ug/Kg	☼	08/03/12 09:56	08/08/12 23:13	1
Lead	5600		330	210	ug/Kg	☼	08/03/12 09:56	08/08/12 23:13	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-DP09-XXXX-SSFD

Lab Sample ID: 240-13653-104

Date Collected: 07/26/12 00:00

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 96.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	630	J	860	330	ug/Kg	☼	08/03/12 09:56	08/08/12 23:19	1
Arsenic	2600		860	260	ug/Kg	☼	08/03/12 09:56	08/08/12 23:19	1
Copper	13000000		11000	3200	ug/Kg	☼	08/03/12 09:56	08/09/12 14:14	5
Iron	6700000	B	8600	4200	ug/Kg	☼	08/03/12 09:56	08/08/12 23:19	1
Lead	3500		1300	810	ug/Kg	☼	08/03/12 09:56	08/09/12 14:14	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-DP10-XXXX-SSFD

Lab Sample ID: 240-13653-105

Date Collected: 07/26/12 00:00

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 84.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1100	U	1100	440	ug/Kg	☼	08/03/12 09:56	08/09/12 14:20	1
Arsenic	2400		1100	340	ug/Kg	☼	08/03/12 09:56	08/08/12 23:25	1
Copper	26000		2800	830	ug/Kg	☼	08/03/12 09:56	08/08/12 23:25	1
Iron	8300000	B	11000	5500	ug/Kg	☼	08/03/12 09:56	08/08/12 23:25	1
Lead	1900		340	210	ug/Kg	☼	08/03/12 09:56	08/08/12 23:25	1

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 240-52958/1-A

Matrix: Solid

Analysis Batch: 53436

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 52958

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	507	J	1000	390	ug/Kg		08/02/12 10:13	08/06/12 20:17	1
Arsenic	1000	U	1000	300	ug/Kg		08/02/12 10:13	08/06/12 20:17	1
Copper	2500	U	2500	740	ug/Kg		08/02/12 10:13	08/06/12 20:17	1
Iron	10000	U	10000	4900	ug/Kg		08/02/12 10:13	08/06/12 20:17	1
Lead	300	U	300	190	ug/Kg		08/02/12 10:13	08/06/12 20:17	1

Lab Sample ID: LCS 240-52958/2-A

Matrix: Solid

Analysis Batch: 53436

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 52958

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	10000	9360		ug/Kg		94	80 - 120
Arsenic	100000	93300		ug/Kg		93	80 - 120
Copper	100000	95700		ug/Kg		96	80 - 120
Iron	1000000	971000		ug/Kg		97	80 - 120
Lead	100000	95800		ug/Kg		96	80 - 120

Lab Sample ID: MB 240-52968/1-A

Matrix: Solid

Analysis Batch: 53461

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 52968

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1000	U	1000	390	ug/Kg		08/02/12 10:41	08/07/12 23:51	1
Arsenic	1000	U	1000	300	ug/Kg		08/02/12 10:41	08/07/12 23:51	1
Copper	2500	U	2500	740	ug/Kg		08/02/12 10:41	08/07/12 23:51	1
Iron	10000	U	10000	4900	ug/Kg		08/02/12 10:41	08/07/12 23:51	1
Lead	300	U	300	190	ug/Kg		08/02/12 10:41	08/07/12 23:51	1

Lab Sample ID: LCS 240-52968/2-A

Matrix: Solid

Analysis Batch: 53461

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 52968

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	10000	9520		ug/Kg		95	80 - 120
Arsenic	100000	94600		ug/Kg		95	80 - 120
Copper	100000	98100		ug/Kg		98	80 - 120
Iron	1000000	1000000		ug/Kg		100	80 - 120
Lead	100000	97800		ug/Kg		98	80 - 120

Lab Sample ID: 240-13653-21 MS

Matrix: Solid

Analysis Batch: 53461

Client Sample ID: LLI01-03NW-0602-SSXX

Prep Type: Total/NA

Prep Batch: 52968

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	1400	U	13700	9690	F	ug/Kg	☼	71	75 - 125
Arsenic	14000		137000	139000		ug/Kg	☼	92	75 - 125
Copper	1000000		137000	706000	4	ug/Kg	☼	-213	75 - 125
Iron	18000000		1370000	12800000	4	ug/Kg	☼	-398	75 - 125
Lead	5200		137000	133000		ug/Kg	☼	94	75 - 125

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

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

Lab Sample ID: 240-13653-21 MSD

Matrix: Solid

Analysis Batch: 53461

Client Sample ID: LLI01-03NW-0602-SSXX

Prep Type: Total/NA

Prep Batch: 52968

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	1400	U	13700	9500	F	ug/Kg	⚠	70	75 - 125	2	20
Arsenic	14000		137000	139000		ug/Kg	⚠	92	75 - 125	0	20
Copper	1000000		137000	822000	4	ug/Kg	⚠	-128	75 - 125	15	20
Iron	18000000		1370000	12800000	4	ug/Kg	⚠	-394	75 - 125	0	20
Lead	5200		137000	135000		ug/Kg	⚠	95	75 - 125	2	20

Lab Sample ID: MB 240-52998/1-A

Matrix: Solid

Analysis Batch: 53461

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 52998

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1000	U	1000	300	ug/Kg		08/02/12 11:30	08/07/12 21:06	1
Copper	2500	U	2500	740	ug/Kg		08/02/12 11:30	08/07/12 21:06	1
Iron	10000	U	10000	4900	ug/Kg		08/02/12 11:30	08/07/12 21:06	1
Lead	300	U	300	190	ug/Kg		08/02/12 11:30	08/07/12 21:06	1

Lab Sample ID: MB 240-52998/1-A

Matrix: Solid

Analysis Batch: 53790

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 52998

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1000	U	1000	390	ug/Kg		08/02/12 11:30	08/08/12 17:38	1

Lab Sample ID: LCS 240-52998/2-A

Matrix: Solid

Analysis Batch: 53461

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 52998

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100000	92700		ug/Kg		93	80 - 120
Copper	100000	95300		ug/Kg		95	80 - 120
Iron	1000000	975000		ug/Kg		98	80 - 120
Lead	100000	95800		ug/Kg		96	80 - 120

Lab Sample ID: LCS 240-52998/2-A

Matrix: Solid

Analysis Batch: 53790

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 52998

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	10000	9200		ug/Kg		92	80 - 120

Lab Sample ID: 240-13653-52 MS

Matrix: Solid

Analysis Batch: 53461

Client Sample ID: LLI01-06NW-0205-SSXX

Prep Type: Total/NA

Prep Batch: 52998

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	10000		117000	129000		ug/Kg	⚠	101	75 - 125
Copper	38000		117000	158000		ug/Kg	⚠	103	75 - 125
Iron	11000000		1170000	18500000	4	ug/Kg	⚠	654	75 - 125
Lead	1900		117000	117000		ug/Kg	⚠	98	75 - 125

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

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

Lab Sample ID: 240-13653-52 MS

Matrix: Solid

Analysis Batch: 53790

Client Sample ID: LLI01-06NW-0205-SSXX

Prep Type: Total/NA

Prep Batch: 52998

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	580	J	11700	8940	F	ug/Kg	☼	71	75 - 125

Lab Sample ID: 240-13653-52 MSD

Matrix: Solid

Analysis Batch: 53461

Client Sample ID: LLI01-06NW-0205-SSXX

Prep Type: Total/NA

Prep Batch: 52998

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	10000		117000	129000		ug/Kg	☼	101	75 - 125	0	20
Copper	38000		117000	165000		ug/Kg	☼	108	75 - 125	4	20
Iron	11000000		1170000	21900000	4	ug/Kg	☼	947	75 - 125	17	20
Lead	1900		117000	114000		ug/Kg	☼	96	75 - 125	3	20

Lab Sample ID: 240-13653-52 MSD

Matrix: Solid

Analysis Batch: 53790

Client Sample ID: LLI01-06NW-0205-SSXX

Prep Type: Total/NA

Prep Batch: 52998

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	580	J	11700	7130	F	ug/Kg	☼	56	75 - 125	22	20

Lab Sample ID: MB 240-53023/1-A

Matrix: Solid

Analysis Batch: 53436

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53023

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	407	J	1000	390	ug/Kg		08/02/12 12:37	08/06/12 23:13	1
Arsenic	1000	U	1000	300	ug/Kg		08/02/12 12:37	08/06/12 23:13	1
Copper	2500	U	2500	740	ug/Kg		08/02/12 12:37	08/06/12 23:13	1
Iron	10000	U	10000	4900	ug/Kg		08/02/12 12:37	08/06/12 23:13	1
Lead	300	U	300	190	ug/Kg		08/02/12 12:37	08/06/12 23:13	1

Lab Sample ID: LCS 240-53023/2-A

Matrix: Solid

Analysis Batch: 53436

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53023

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	10000	9210		ug/Kg		92	80 - 120
Arsenic	100000	93700		ug/Kg		94	80 - 120
Copper	100000	95500		ug/Kg		96	80 - 120
Iron	1000000	961000		ug/Kg		96	80 - 120
Lead	100000	96100		ug/Kg		96	80 - 120

Lab Sample ID: 240-13653-82 MS

Matrix: Solid

Analysis Batch: 53436

Client Sample ID: LLI01-12NW-0602-SSXX

Prep Type: Total/NA

Prep Batch: 53023

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	1100	U	10600	5730	F	ug/Kg	☼	54	75 - 125
Arsenic	10000		106000	105000		ug/Kg	☼	89	75 - 125
Copper	610000		106000	831000	4	ug/Kg	☼	210	75 - 125
Iron	11000000		1060000	11000000	4	ug/Kg	☼	-17	75 - 125
Lead	16000		106000	116000		ug/Kg	☼	94	75 - 125

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

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

Lab Sample ID: 240-13653-82 MSD

Matrix: Solid

Analysis Batch: 53436

Client Sample ID: LLI01-12NW-0602-SSXX

Prep Type: Total/NA

Prep Batch: 53023

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	1100	U	10600	6150	F	ug/Kg	☼	58	75 - 125	7	20
Arsenic	10000		106000	106000		ug/Kg	☼	90	75 - 125	1	20
Copper	610000		106000	728000	4	ug/Kg	☼	112	75 - 125	13	20
Iron	11000000		1060000	11700000	4	ug/Kg	☼	52	75 - 125	7	20
Lead	16000		106000	117000		ug/Kg	☼	96	75 - 125	1	20

Lab Sample ID: MB 240-53131/1-A

Matrix: Solid

Analysis Batch: 53790

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53131

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1000	U	1000	390	ug/Kg		08/03/12 09:56	08/08/12 21:08	1
Arsenic	1000	U	1000	300	ug/Kg		08/03/12 09:56	08/08/12 21:08	1
Copper	2500	U	2500	740	ug/Kg		08/03/12 09:56	08/08/12 21:08	1
Iron	5680	J	10000	4900	ug/Kg		08/03/12 09:56	08/08/12 21:08	1
Lead	300	U	300	190	ug/Kg		08/03/12 09:56	08/08/12 21:08	1

Lab Sample ID: LCS 240-53131/2-A

Matrix: Solid

Analysis Batch: 53790

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53131

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	10000	9230		ug/Kg		92	80 - 120
Arsenic	100000	92200		ug/Kg		92	80 - 120
Copper	100000	96700		ug/Kg		97	80 - 120
Iron	1000000	958000		ug/Kg		96	80 - 120
Lead	100000	95700		ug/Kg		96	80 - 120

Lab Sample ID: 240-13653-88 MS

Matrix: Solid

Analysis Batch: 53790

Client Sample ID: LLI01-13NW-0205-SSXX

Prep Type: Total/NA

Prep Batch: 53131

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	1200	U	11600	7430	F	ug/Kg	☼	64	75 - 125
Arsenic	6300		116000	105000		ug/Kg	☼	85	75 - 125
Copper	81000		116000	189000		ug/Kg	☼	93	75 - 125
Iron	8400000	B	1160000	9100000	4	ug/Kg	☼	64	75 - 125
Lead	5400		116000	108000		ug/Kg	☼	88	75 - 125

Lab Sample ID: 240-13653-88 MSD

Matrix: Solid

Analysis Batch: 53790

Client Sample ID: LLI01-13NW-0205-SSXX

Prep Type: Total/NA

Prep Batch: 53131

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	1200	U	11600	6800	F	ug/Kg	☼	58	75 - 125	9	20
Arsenic	6300		116000	107000		ug/Kg	☼	87	75 - 125	2	20
Copper	81000		116000	176000		ug/Kg	☼	82	75 - 125	7	20
Iron	8400000	B	1160000	9720000	4	ug/Kg	☼	118	75 - 125	7	20
Lead	5400		116000	111000		ug/Kg	☼	90	75 - 125	3	20

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Metals

Prep Batch: 52958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13653-1	LLI01-05NW-0006-SSXX	Total/NA	Solid	3050B	
240-13653-2	LLI01-05NW-0602-SSXX	Total/NA	Solid	3050B	
240-13653-3	LLI01-05NW-0205-SSXX	Total/NA	Solid	3050B	
240-13653-4	LLI01-05SE-0006-SSXX	Total/NA	Solid	3050B	
240-13653-5	LLI01-05SE-0602-SSXX	Total/NA	Solid	3050B	
240-13653-6	LLI01-05SE-0205-SSXX	Total/NA	Solid	3050B	
240-13653-7	LLI01-05NE-0006-SSXX	Total/NA	Solid	3050B	
240-13653-8	LLI01-05NE-0602-SSXX	Total/NA	Solid	3050B	
240-13653-9	LLI01-05NE-0205-SSXX	Total/NA	Solid	3050B	
240-13653-12	LLI01-02NW-0006-SSXX	Total/NA	Solid	3050B	
240-13653-13	LLI01-02NW-0602-SSXX	Total/NA	Solid	3050B	
LCS 240-52958/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 240-52958/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 52968

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13653-14	LLI01-02NW-0205-SSXX	Total/NA	Solid	3050B	
240-13653-15	LLI01-02NE-0006-SSXX	Total/NA	Solid	3050B	
240-13653-16	LLI01-02NE-0602-SSXX	Total/NA	Solid	3050B	
240-13653-17	LLI01-02NE-0205-SSXX	Total/NA	Solid	3050B	
240-13653-20	LLI01-03NW-0006-SSXX	Total/NA	Solid	3050B	
240-13653-21	LLI01-03NW-0602-SSXX	Total/NA	Solid	3050B	
240-13653-21 MS	LLI01-03NW-0602-SSXX	Total/NA	Solid	3050B	
240-13653-21 MSD	LLI01-03NW-0602-SSXX	Total/NA	Solid	3050B	
240-13653-22	LLI01-03NW-0205-SSXX	Total/NA	Solid	3050B	
240-13653-25	LLI01-09NW-0006-SSXX	Total/NA	Solid	3050B	
240-13653-26	LLI01-09NW-0602-SSXX	Total/NA	Solid	3050B	
240-13653-27	LLI01-09NW-0205-SSXX	Total/NA	Solid	3050B	
240-13653-30	LLI01-08SW-0006-SSXX	Total/NA	Solid	3050B	
240-13653-31	LLI01-08SW-0602-SSXX	Total/NA	Solid	3050B	
240-13653-32	LLI01-08SW-0205-SSXX	Total/NA	Solid	3050B	
240-13653-33	LLI01-08NW-0006-SSXX	Total/NA	Solid	3050B	
240-13653-34	LLI01-08NW-0602-SSXX	Total/NA	Solid	3050B	
240-13653-35	LLI01-08NW-0205-SSXX	Total/NA	Solid	3050B	
240-13653-36	LLI01-08SE-0006-SSXX	Total/NA	Solid	3050B	
240-13653-37	LLI01-08SE-0602-SSXX	Total/NA	Solid	3050B	
240-13653-38	LLI01-08SE-0205-SSXX	Total/NA	Solid	3050B	
240-13653-39	LLI01-08NE-0006-SSXX	Total/NA	Solid	3050B	
LCS 240-52968/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 240-52968/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 52998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13653-40	LLI01-08NE-0602-SSXX	Total/NA	Solid	3050B	
240-13653-41	LLI01-08NE-0205-SSXX	Total/NA	Solid	3050B	
240-13653-44	LLI01-06SE-0006-SSXX	Total/NA	Solid	3050B	
240-13653-45	LLI01-06SE-0602-SSXX	Total/NA	Solid	3050B	
240-13653-46	LLI01-06SE-0205-SSXX	Total/NA	Solid	3050B	
240-13653-47	LLI01-06NE-0006-SSXX	Total/NA	Solid	3050B	
240-13653-48	LLI01-06NE-0602-SSXX	Total/NA	Solid	3050B	
240-13653-49	LLI01-06NE-0205-SSXX	Total/NA	Solid	3050B	
240-13653-50	LLI01-06NW-0006-SSXX	Total/NA	Solid	3050B	

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Metals (Continued)

Prep Batch: 52998 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13653-51	LLI01-06NW-0602-SSXX	Total/NA	Solid	3050B	
240-13653-52	LLI01-06NW-0205-SSXX	Total/NA	Solid	3050B	
240-13653-52 MS	LLI01-06NW-0205-SSXX	Total/NA	Solid	3050B	
240-13653-52 MSD	LLI01-06NW-0205-SSXX	Total/NA	Solid	3050B	
240-13653-53	LLI01-06SW-0006-SSXX	Total/NA	Solid	3050B	
240-13653-54	LLI01-06SW-0602-SSXX	Total/NA	Solid	3050B	
240-13653-55	LLI01-06SW-0205-SSXX	Total/NA	Solid	3050B	
240-13653-58	LLI01-07SW-0006-SSXX	Total/NA	Solid	3050B	
240-13653-59	LLI01-07SW-0602-SSXX	Total/NA	Solid	3050B	
240-13653-60	LLI01-07SW-0205-SSXX	Total/NA	Solid	3050B	
240-13653-61	LLI01-07NW-0006-SSXX	Total/NA	Solid	3050B	
240-13653-62	LLI01-07NW-0602-SSXX	Total/NA	Solid	3050B	
240-13653-63	LLI01-07NW-0205-SSXX	Total/NA	Solid	3050B	
LCS 240-52998/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 240-52998/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 53023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13653-64	LLI01-07SE-0006-SSXX	Total/NA	Solid	3050B	
240-13653-65	LLI01-07SE-0602-SSXX	Total/NA	Solid	3050B	
240-13653-66	LLI01-07SE-0205-SSXX	Total/NA	Solid	3050B	
240-13653-67	LLI01-07NE-0006-SSXX	Total/NA	Solid	3050B	
240-13653-68	LLI01-07NE-0602-SSXX	Total/NA	Solid	3050B	
240-13653-69	LLI01-07NE-0205-SSXX	Total/NA	Solid	3050B	
240-13653-72	LLI01-12NE-0006-SSXX	Total/NA	Solid	3050B	
240-13653-73	LLI01-12NE-0602-SSXX	Total/NA	Solid	3050B	
240-13653-74	LLI01-12NE-0205-SSXX	Total/NA	Solid	3050B	
240-13653-75	LLI01-12SE-0006-SSXX	Total/NA	Solid	3050B	
240-13653-76	LLI01-12SE-0602-SSXX	Total/NA	Solid	3050B	
240-13653-77	LLI01-12SE-0205-SSXX	Total/NA	Solid	3050B	
240-13653-78	LLI01-12SW-0006-SSXX	Total/NA	Solid	3050B	
240-13653-79	LLI01-12SW-0602-SSXX	Total/NA	Solid	3050B	
240-13653-80	LLI01-12SW-0205-SSXX	Total/NA	Solid	3050B	
240-13653-81	LLI01-12NW-0006-SSXX	Total/NA	Solid	3050B	
240-13653-82	LLI01-12NW-0602-SSXX	Total/NA	Solid	3050B	
240-13653-82 MS	LLI01-12NW-0602-SSXX	Total/NA	Solid	3050B	
240-13653-82 MSD	LLI01-12NW-0602-SSXX	Total/NA	Solid	3050B	
240-13653-83	LLI01-12NW-0205-SSXX	Total/NA	Solid	3050B	
240-13653-86	LLI01-13NW-0006-SSXX	Total/NA	Solid	3050B	
240-13653-87	LLI01-13NW-0602-SSXX	Total/NA	Solid	3050B	
LCS 240-53023/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 240-53023/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 53131

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13653-88	LLI01-13NW-0205-SSXX	Total/NA	Solid	3050B	
240-13653-88 MS	LLI01-13NW-0205-SSXX	Total/NA	Solid	3050B	
240-13653-88 MSD	LLI01-13NW-0205-SSXX	Total/NA	Solid	3050B	
240-13653-89	LLI01-13SW-0006-SSXX	Total/NA	Solid	3050B	
240-13653-90	LLI01-13SW-0602-SSXX	Total/NA	Solid	3050B	
240-13653-91	LLI01-13SW-0205-SSXX	Total/NA	Solid	3050B	
240-13653-92	LLI01-13SE-0006-SSXX	Total/NA	Solid	3050B	

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Metals (Continued)

Prep Batch: 53131 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13653-93	LLI01-13SE-0602-SSXX	Total/NA	Solid	3050B	
240-13653-94	LLI01-13SE-0205-SSXX	Total/NA	Solid	3050B	
240-13653-95	LLI01-13NE-0006-SSXX	Total/NA	Solid	3050B	
240-13653-96	LLI01-13NE-0602-SSXX	Total/NA	Solid	3050B	
240-13653-97	LLI01-13NE-0205-SSXX	Total/NA	Solid	3050B	
240-13653-100	LLI01-DP05-XXXX-SSFD	Total/NA	Solid	3050B	
240-13653-101	LLI01-DP06-XXXX-SSFD	Total/NA	Solid	3050B	
240-13653-102	LLI01-DP07-XXXX-SSFD	Total/NA	Solid	3050B	
240-13653-103	LLI01-DP08-XXXX-SSFD	Total/NA	Solid	3050B	
240-13653-104	LLI01-DP09-XXXX-SSFD	Total/NA	Solid	3050B	
240-13653-105	LLI01-DP10-XXXX-SSFD	Total/NA	Solid	3050B	
LCS 240-53131/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 240-53131/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 53436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13653-1	LLI01-05NW-0006-SSXX	Total/NA	Solid	6010B	52958
240-13653-2	LLI01-05NW-0602-SSXX	Total/NA	Solid	6010B	52958
240-13653-3	LLI01-05NW-0205-SSXX	Total/NA	Solid	6010B	52958
240-13653-4	LLI01-05SE-0006-SSXX	Total/NA	Solid	6010B	52958
240-13653-5	LLI01-05SE-0602-SSXX	Total/NA	Solid	6010B	52958
240-13653-6	LLI01-05SE-0205-SSXX	Total/NA	Solid	6010B	52958
240-13653-7	LLI01-05NE-0006-SSXX	Total/NA	Solid	6010B	52958
240-13653-8	LLI01-05NE-0602-SSXX	Total/NA	Solid	6010B	52958
240-13653-9	LLI01-05NE-0205-SSXX	Total/NA	Solid	6010B	52958
240-13653-12	LLI01-02NW-0006-SSXX	Total/NA	Solid	6010B	52958
240-13653-13	LLI01-02NW-0602-SSXX	Total/NA	Solid	6010B	52958
240-13653-64	LLI01-07SE-0006-SSXX	Total/NA	Solid	6010B	53023
240-13653-65	LLI01-07SE-0602-SSXX	Total/NA	Solid	6010B	53023
240-13653-66	LLI01-07SE-0205-SSXX	Total/NA	Solid	6010B	53023
240-13653-67	LLI01-07NE-0006-SSXX	Total/NA	Solid	6010B	53023
240-13653-68	LLI01-07NE-0602-SSXX	Total/NA	Solid	6010B	53023
240-13653-69	LLI01-07NE-0205-SSXX	Total/NA	Solid	6010B	53023
240-13653-72	LLI01-12NE-0006-SSXX	Total/NA	Solid	6010B	53023
240-13653-73	LLI01-12NE-0602-SSXX	Total/NA	Solid	6010B	53023
240-13653-74	LLI01-12NE-0205-SSXX	Total/NA	Solid	6010B	53023
240-13653-75	LLI01-12SE-0006-SSXX	Total/NA	Solid	6010B	53023
240-13653-76	LLI01-12SE-0602-SSXX	Total/NA	Solid	6010B	53023
240-13653-77	LLI01-12SE-0205-SSXX	Total/NA	Solid	6010B	53023
240-13653-78	LLI01-12SW-0006-SSXX	Total/NA	Solid	6010B	53023
240-13653-79	LLI01-12SW-0602-SSXX	Total/NA	Solid	6010B	53023
240-13653-80	LLI01-12SW-0205-SSXX	Total/NA	Solid	6010B	53023
240-13653-81	LLI01-12NW-0006-SSXX	Total/NA	Solid	6010B	53023
240-13653-82	LLI01-12NW-0602-SSXX	Total/NA	Solid	6010B	53023
240-13653-82 MS	LLI01-12NW-0602-SSXX	Total/NA	Solid	6010B	53023
240-13653-82 MSD	LLI01-12NW-0602-SSXX	Total/NA	Solid	6010B	53023
240-13653-83	LLI01-12NW-0205-SSXX	Total/NA	Solid	6010B	53023
240-13653-86	LLI01-13NW-0006-SSXX	Total/NA	Solid	6010B	53023
240-13653-87	LLI01-13NW-0602-SSXX	Total/NA	Solid	6010B	53023
LCS 240-52958/2-A	Lab Control Sample	Total/NA	Solid	6010B	52958
LCS 240-53023/2-A	Lab Control Sample	Total/NA	Solid	6010B	53023
MB 240-52958/1-A	Method Blank	Total/NA	Solid	6010B	52958

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Metals (Continued)

Analysis Batch: 53436 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 240-53023/1-A	Method Blank	Total/NA	Solid	6010B	53023

Analysis Batch: 53461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13653-7	LLI01-05NE-0006-SSXX	Total/NA	Solid	6010B	52958
240-13653-14	LLI01-02NW-0205-SSXX	Total/NA	Solid	6010B	52968
240-13653-15	LLI01-02NE-0006-SSXX	Total/NA	Solid	6010B	52968
240-13653-16	LLI01-02NE-0602-SSXX	Total/NA	Solid	6010B	52968
240-13653-17	LLI01-02NE-0205-SSXX	Total/NA	Solid	6010B	52968
240-13653-20	LLI01-03NW-0006-SSXX	Total/NA	Solid	6010B	52968
240-13653-21	LLI01-03NW-0602-SSXX	Total/NA	Solid	6010B	52968
240-13653-21 MS	LLI01-03NW-0602-SSXX	Total/NA	Solid	6010B	52968
240-13653-21 MSD	LLI01-03NW-0602-SSXX	Total/NA	Solid	6010B	52968
240-13653-22	LLI01-03NW-0205-SSXX	Total/NA	Solid	6010B	52968
240-13653-25	LLI01-09NW-0006-SSXX	Total/NA	Solid	6010B	52968
240-13653-26	LLI01-09NW-0602-SSXX	Total/NA	Solid	6010B	52968
240-13653-27	LLI01-09NW-0205-SSXX	Total/NA	Solid	6010B	52968
240-13653-30	LLI01-08SW-0006-SSXX	Total/NA	Solid	6010B	52968
240-13653-31	LLI01-08SW-0602-SSXX	Total/NA	Solid	6010B	52968
240-13653-32	LLI01-08SW-0205-SSXX	Total/NA	Solid	6010B	52968
240-13653-33	LLI01-08NW-0006-SSXX	Total/NA	Solid	6010B	52968
240-13653-34	LLI01-08NW-0602-SSXX	Total/NA	Solid	6010B	52968
240-13653-35	LLI01-08NW-0205-SSXX	Total/NA	Solid	6010B	52968
240-13653-36	LLI01-08SE-0006-SSXX	Total/NA	Solid	6010B	52968
240-13653-37	LLI01-08SE-0602-SSXX	Total/NA	Solid	6010B	52968
240-13653-38	LLI01-08SE-0205-SSXX	Total/NA	Solid	6010B	52968
240-13653-39	LLI01-08NE-0006-SSXX	Total/NA	Solid	6010B	52968
240-13653-40	LLI01-08NE-0602-SSXX	Total/NA	Solid	6010B	52998
240-13653-41	LLI01-08NE-0205-SSXX	Total/NA	Solid	6010B	52998
240-13653-44	LLI01-06SE-0006-SSXX	Total/NA	Solid	6010B	52998
240-13653-45	LLI01-06SE-0602-SSXX	Total/NA	Solid	6010B	52998
240-13653-46	LLI01-06SE-0205-SSXX	Total/NA	Solid	6010B	52998
240-13653-47	LLI01-06NE-0006-SSXX	Total/NA	Solid	6010B	52998
240-13653-48	LLI01-06NE-0602-SSXX	Total/NA	Solid	6010B	52998
240-13653-49	LLI01-06NE-0205-SSXX	Total/NA	Solid	6010B	52998
240-13653-50	LLI01-06NW-0006-SSXX	Total/NA	Solid	6010B	52998
240-13653-51	LLI01-06NW-0602-SSXX	Total/NA	Solid	6010B	52998
240-13653-52	LLI01-06NW-0205-SSXX	Total/NA	Solid	6010B	52998
240-13653-52 MS	LLI01-06NW-0205-SSXX	Total/NA	Solid	6010B	52998
240-13653-52 MSD	LLI01-06NW-0205-SSXX	Total/NA	Solid	6010B	52998
240-13653-53	LLI01-06SW-0006-SSXX	Total/NA	Solid	6010B	52998
240-13653-54	LLI01-06SW-0602-SSXX	Total/NA	Solid	6010B	52998
240-13653-55	LLI01-06SW-0205-SSXX	Total/NA	Solid	6010B	52998
240-13653-58	LLI01-07SW-0006-SSXX	Total/NA	Solid	6010B	52998
240-13653-59	LLI01-07SW-0602-SSXX	Total/NA	Solid	6010B	52998
240-13653-60	LLI01-07SW-0205-SSXX	Total/NA	Solid	6010B	52998
240-13653-61	LLI01-07NW-0006-SSXX	Total/NA	Solid	6010B	52998
240-13653-62	LLI01-07NW-0602-SSXX	Total/NA	Solid	6010B	52998
240-13653-63	LLI01-07NW-0205-SSXX	Total/NA	Solid	6010B	52998
240-13653-69	LLI01-07NE-0205-SSXX	Total/NA	Solid	6010B	53023
LCS 240-52968/2-A	Lab Control Sample	Total/NA	Solid	6010B	52968
LCS 240-52998/2-A	Lab Control Sample	Total/NA	Solid	6010B	52998

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Metals (Continued)

Analysis Batch: 53461 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 240-52968/1-A	Method Blank	Total/NA	Solid	6010B	52968
MB 240-52998/1-A	Method Blank	Total/NA	Solid	6010B	52998

Analysis Batch: 53790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13653-14	LLI01-02NW-0205-SSXX	Total/NA	Solid	6010B	52968
240-13653-35	LLI01-08NW-0205-SSXX	Total/NA	Solid	6010B	52968
240-13653-37	LLI01-08SE-0602-SSXX	Total/NA	Solid	6010B	52968
240-13653-40	LLI01-08NE-0602-SSXX	Total/NA	Solid	6010B	52998
240-13653-41	LLI01-08NE-0205-SSXX	Total/NA	Solid	6010B	52998
240-13653-44	LLI01-06SE-0006-SSXX	Total/NA	Solid	6010B	52998
240-13653-45	LLI01-06SE-0602-SSXX	Total/NA	Solid	6010B	52998
240-13653-46	LLI01-06SE-0205-SSXX	Total/NA	Solid	6010B	52998
240-13653-47	LLI01-06NE-0006-SSXX	Total/NA	Solid	6010B	52998
240-13653-48	LLI01-06NE-0602-SSXX	Total/NA	Solid	6010B	52998
240-13653-49	LLI01-06NE-0205-SSXX	Total/NA	Solid	6010B	52998
240-13653-50	LLI01-06NW-0006-SSXX	Total/NA	Solid	6010B	52998
240-13653-51	LLI01-06NW-0602-SSXX	Total/NA	Solid	6010B	52998
240-13653-52	LLI01-06NW-0205-SSXX	Total/NA	Solid	6010B	52998
240-13653-52 MS	LLI01-06NW-0205-SSXX	Total/NA	Solid	6010B	52998
240-13653-52 MSD	LLI01-06NW-0205-SSXX	Total/NA	Solid	6010B	52998
240-13653-53	LLI01-06SW-0006-SSXX	Total/NA	Solid	6010B	52998
240-13653-54	LLI01-06SW-0602-SSXX	Total/NA	Solid	6010B	52998
240-13653-55	LLI01-06SW-0205-SSXX	Total/NA	Solid	6010B	52998
240-13653-58	LLI01-07SW-0006-SSXX	Total/NA	Solid	6010B	52998
240-13653-59	LLI01-07SW-0602-SSXX	Total/NA	Solid	6010B	52998
240-13653-88	LLI01-13NW-0205-SSXX	Total/NA	Solid	6010B	53131
240-13653-88 MS	LLI01-13NW-0205-SSXX	Total/NA	Solid	6010B	53131
240-13653-88 MSD	LLI01-13NW-0205-SSXX	Total/NA	Solid	6010B	53131
240-13653-89	LLI01-13SW-0006-SSXX	Total/NA	Solid	6010B	53131
240-13653-90	LLI01-13SW-0602-SSXX	Total/NA	Solid	6010B	53131
240-13653-91	LLI01-13SW-0205-SSXX	Total/NA	Solid	6010B	53131
240-13653-92	LLI01-13SE-0006-SSXX	Total/NA	Solid	6010B	53131
240-13653-93	LLI01-13SE-0602-SSXX	Total/NA	Solid	6010B	53131
240-13653-94	LLI01-13SE-0205-SSXX	Total/NA	Solid	6010B	53131
240-13653-95	LLI01-13NE-0006-SSXX	Total/NA	Solid	6010B	53131
240-13653-96	LLI01-13NE-0602-SSXX	Total/NA	Solid	6010B	53131
240-13653-97	LLI01-13NE-0205-SSXX	Total/NA	Solid	6010B	53131
240-13653-100	LLI01-DP05-XXXX-SSFD	Total/NA	Solid	6010B	53131
240-13653-101	LLI01-DP06-XXXX-SSFD	Total/NA	Solid	6010B	53131
240-13653-102	LLI01-DP07-XXXX-SSFD	Total/NA	Solid	6010B	53131
240-13653-103	LLI01-DP08-XXXX-SSFD	Total/NA	Solid	6010B	53131
240-13653-104	LLI01-DP09-XXXX-SSFD	Total/NA	Solid	6010B	53131
240-13653-105	LLI01-DP10-XXXX-SSFD	Total/NA	Solid	6010B	53131
LCS 240-52998/2-A	Lab Control Sample	Total/NA	Solid	6010B	52998
LCS 240-53131/2-A	Lab Control Sample	Total/NA	Solid	6010B	53131
MB 240-52998/1-A	Method Blank	Total/NA	Solid	6010B	52998
MB 240-53131/1-A	Method Blank	Total/NA	Solid	6010B	53131

Analysis Batch: 53842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13653-90	LLI01-13SW-0602-SSXX	Total/NA	Solid	6010B	53131

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Metals (Continued)

Analysis Batch: 53842 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13653-104	LLI01-DP09-XXXX-SSFD	Total/NA	Solid	6010B	53131
240-13653-105	LLI01-DP10-XXXX-SSFD	Total/NA	Solid	6010B	53131

General Chemistry

Analysis Batch: 52836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13653-1	LLI01-05NW-0006-SSXX	Total/NA	Solid	Moisture	
240-13653-2	LLI01-05NW-0602-SSXX	Total/NA	Solid	Moisture	
240-13653-3	LLI01-05NW-0205-SSXX	Total/NA	Solid	Moisture	
240-13653-4	LLI01-05SE-0006-SSXX	Total/NA	Solid	Moisture	
240-13653-4 DU	LLI01-05SE-0006-SSXX	Total/NA	Solid	Moisture	
240-13653-5	LLI01-05SE-0602-SSXX	Total/NA	Solid	Moisture	
240-13653-6	LLI01-05SE-0205-SSXX	Total/NA	Solid	Moisture	
240-13653-7	LLI01-05NE-0006-SSXX	Total/NA	Solid	Moisture	
240-13653-8	LLI01-05NE-0602-SSXX	Total/NA	Solid	Moisture	
240-13653-9	LLI01-05NE-0205-SSXX	Total/NA	Solid	Moisture	
240-13653-12	LLI01-02NW-0006-SSXX	Total/NA	Solid	Moisture	
240-13653-13	LLI01-02NW-0602-SSXX	Total/NA	Solid	Moisture	
240-13653-13 DU	LLI01-02NW-0602-SSXX	Total/NA	Solid	Moisture	
240-13653-14	LLI01-02NW-0205-SSXX	Total/NA	Solid	Moisture	
240-13653-15	LLI01-02NE-0006-SSXX	Total/NA	Solid	Moisture	
240-13653-16	LLI01-02NE-0602-SSXX	Total/NA	Solid	Moisture	
240-13653-17	LLI01-02NE-0205-SSXX	Total/NA	Solid	Moisture	
240-13653-20	LLI01-03NW-0006-SSXX	Total/NA	Solid	Moisture	
240-13653-21	LLI01-03NW-0602-SSXX	Total/NA	Solid	Moisture	
240-13653-21 DU	LLI01-03NW-0602-SSXX	Total/NA	Solid	Moisture	
240-13653-22	LLI01-03NW-0205-SSXX	Total/NA	Solid	Moisture	
240-13653-25	LLI01-09NW-0006-SSXX	Total/NA	Solid	Moisture	
240-13653-26	LLI01-09NW-0602-SSXX	Total/NA	Solid	Moisture	
240-13653-27	LLI01-09NW-0205-SSXX	Total/NA	Solid	Moisture	
240-13653-30	LLI01-08SW-0006-SSXX	Total/NA	Solid	Moisture	
240-13653-31	LLI01-08SW-0602-SSXX	Total/NA	Solid	Moisture	
240-13653-31 DU	LLI01-08SW-0602-SSXX	Total/NA	Solid	Moisture	
240-13653-32	LLI01-08SW-0205-SSXX	Total/NA	Solid	Moisture	
240-13653-33	LLI01-08NW-0006-SSXX	Total/NA	Solid	Moisture	
240-13653-34	LLI01-08NW-0602-SSXX	Total/NA	Solid	Moisture	
240-13653-35	LLI01-08NW-0205-SSXX	Total/NA	Solid	Moisture	
240-13653-36	LLI01-08SE-0006-SSXX	Total/NA	Solid	Moisture	
240-13653-37	LLI01-08SE-0602-SSXX	Total/NA	Solid	Moisture	
240-13653-38	LLI01-08SE-0205-SSXX	Total/NA	Solid	Moisture	
240-13653-39	LLI01-08NE-0006-SSXX	Total/NA	Solid	Moisture	
240-13653-40	LLI01-08NE-0602-SSXX	Total/NA	Solid	Moisture	
240-13653-40 DU	LLI01-08NE-0602-SSXX	Total/NA	Solid	Moisture	
240-13653-41	LLI01-08NE-0205-SSXX	Total/NA	Solid	Moisture	
240-13653-44	LLI01-06SE-0006-SSXX	Total/NA	Solid	Moisture	
240-13653-45	LLI01-06SE-0602-SSXX	Total/NA	Solid	Moisture	
240-13653-46	LLI01-06SE-0205-SSXX	Total/NA	Solid	Moisture	
240-13653-47	LLI01-06NE-0006-SSXX	Total/NA	Solid	Moisture	
240-13653-48	LLI01-06NE-0602-SSXX	Total/NA	Solid	Moisture	
240-13653-49	LLI01-06NE-0205-SSXX	Total/NA	Solid	Moisture	
240-13653-49 DU	LLI01-06NE-0205-SSXX	Total/NA	Solid	Moisture	

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

General Chemistry (Continued)

Analysis Batch: 52836 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13653-50	LLI01-06NW-0006-SSXX	Total/NA	Solid	Moisture	
240-13653-51	LLI01-06NW-0602-SSXX	Total/NA	Solid	Moisture	
240-13653-52	LLI01-06NW-0205-SSXX	Total/NA	Solid	Moisture	
240-13653-52 DU	LLI01-06NW-0205-SSXX	Total/NA	Solid	Moisture	
240-13653-53	LLI01-06SW-0006-SSXX	Total/NA	Solid	Moisture	
240-13653-54	LLI01-06SW-0602-SSXX	Total/NA	Solid	Moisture	
240-13653-55	LLI01-06SW-0205-SSXX	Total/NA	Solid	Moisture	
240-13653-58	LLI01-07SW-0006-SSXX	Total/NA	Solid	Moisture	
240-13653-59	LLI01-07SW-0602-SSXX	Total/NA	Solid	Moisture	
240-13653-60	LLI01-07SW-0205-SSXX	Total/NA	Solid	Moisture	
240-13653-61	LLI01-07NW-0006-SSXX	Total/NA	Solid	Moisture	
240-13653-62	LLI01-07NW-0602-SSXX	Total/NA	Solid	Moisture	
240-13653-63	LLI01-07NW-0205-SSXX	Total/NA	Solid	Moisture	
240-13653-64	LLI01-07SE-0006-SSXX	Total/NA	Solid	Moisture	
240-13653-65	LLI01-07SE-0602-SSXX	Total/NA	Solid	Moisture	
240-13653-66	LLI01-07SE-0205-SSXX	Total/NA	Solid	Moisture	
240-13653-67	LLI01-07NE-0006-SSXX	Total/NA	Solid	Moisture	
240-13653-67 DU	LLI01-07NE-0006-SSXX	Total/NA	Solid	Moisture	
240-13653-68	LLI01-07NE-0602-SSXX	Total/NA	Solid	Moisture	
240-13653-69	LLI01-07NE-0205-SSXX	Total/NA	Solid	Moisture	
240-13653-72	LLI01-12NE-0006-SSXX	Total/NA	Solid	Moisture	
240-13653-73	LLI01-12NE-0602-SSXX	Total/NA	Solid	Moisture	
240-13653-74	LLI01-12NE-0205-SSXX	Total/NA	Solid	Moisture	
240-13653-75	LLI01-12SE-0006-SSXX	Total/NA	Solid	Moisture	
240-13653-76	LLI01-12SE-0602-SSXX	Total/NA	Solid	Moisture	
240-13653-77	LLI01-12SE-0205-SSXX	Total/NA	Solid	Moisture	
240-13653-78	LLI01-12SW-0006-SSXX	Total/NA	Solid	Moisture	
240-13653-79	LLI01-12SW-0602-SSXX	Total/NA	Solid	Moisture	
240-13653-80	LLI01-12SW-0205-SSXX	Total/NA	Solid	Moisture	
240-13653-81	LLI01-12NW-0006-SSXX	Total/NA	Solid	Moisture	
240-13653-82	LLI01-12NW-0602-SSXX	Total/NA	Solid	Moisture	
240-13653-82 DU	LLI01-12NW-0602-SSXX	Total/NA	Solid	Moisture	
240-13653-83	LLI01-12NW-0205-SSXX	Total/NA	Solid	Moisture	
240-13653-86	LLI01-13NW-0006-SSXX	Total/NA	Solid	Moisture	
240-13653-87	LLI01-13NW-0602-SSXX	Total/NA	Solid	Moisture	
240-13653-88	LLI01-13NW-0205-SSXX	Total/NA	Solid	Moisture	
240-13653-89	LLI01-13SW-0006-SSXX	Total/NA	Solid	Moisture	
240-13653-90	LLI01-13SW-0602-SSXX	Total/NA	Solid	Moisture	
240-13653-91	LLI01-13SW-0205-SSXX	Total/NA	Solid	Moisture	
240-13653-92	LLI01-13SE-0006-SSXX	Total/NA	Solid	Moisture	
240-13653-93	LLI01-13SE-0602-SSXX	Total/NA	Solid	Moisture	
240-13653-94	LLI01-13SE-0205-SSXX	Total/NA	Solid	Moisture	
240-13653-94 DU	LLI01-13SE-0205-SSXX	Total/NA	Solid	Moisture	
240-13653-95	LLI01-13NE-0006-SSXX	Total/NA	Solid	Moisture	
240-13653-96	LLI01-13NE-0602-SSXX	Total/NA	Solid	Moisture	
240-13653-97	LLI01-13NE-0205-SSXX	Total/NA	Solid	Moisture	
240-13653-100	LLI01-DP05-XXXX-SSFD	Total/NA	Solid	Moisture	
240-13653-101	LLI01-DP06-XXXX-SSFD	Total/NA	Solid	Moisture	
240-13653-102	LLI01-DP07-XXXX-SSFD	Total/NA	Solid	Moisture	
240-13653-103	LLI01-DP08-XXXX-SSFD	Total/NA	Solid	Moisture	
240-13653-103 DU	LLI01-DP08-XXXX-SSFD	Total/NA	Solid	Moisture	
240-13653-104	LLI01-DP09-XXXX-SSFD	Total/NA	Solid	Moisture	

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

General Chemistry (Continued)

Analysis Batch: 52836 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13653-105	LLI01-DP10-XXXX-SSFD	Total/NA	Solid	Moisture	

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-05NW-0006-SSXX

Date Collected: 07/26/12 08:45

Date Received: 07/28/12 09:30

Lab Sample ID: 240-13653-1

Matrix: Solid

Percent Solids: 88.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52958	08/02/12 10:13	DE	TAL NC
Total/NA	Analysis	6010B		1	53436	08/06/12 21:48	BD	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Client Sample ID: LLI01-05NW-0602-SSXX

Date Collected: 07/26/12 08:47

Date Received: 07/28/12 09:30

Lab Sample ID: 240-13653-2

Matrix: Solid

Percent Solids: 88.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52958	08/02/12 10:13	DE	TAL NC
Total/NA	Analysis	6010B		1	53436	08/06/12 22:05	BD	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Client Sample ID: LLI01-05NW-0205-SSXX

Date Collected: 07/26/12 08:49

Date Received: 07/28/12 09:30

Lab Sample ID: 240-13653-3

Matrix: Solid

Percent Solids: 94.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52958	08/02/12 10:13	DE	TAL NC
Total/NA	Analysis	6010B		1	53436	08/06/12 22:10	BD	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Client Sample ID: LLI01-05SE-0006-SSXX

Date Collected: 07/26/12 08:58

Date Received: 07/28/12 09:30

Lab Sample ID: 240-13653-4

Matrix: Solid

Percent Solids: 83.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52958	08/02/12 10:13	DE	TAL NC
Total/NA	Analysis	6010B		1	53436	08/06/12 22:16	BD	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Client Sample ID: LLI01-05SE-0602-SSXX

Date Collected: 07/26/12 08:59

Date Received: 07/28/12 09:30

Lab Sample ID: 240-13653-5

Matrix: Solid

Percent Solids: 90.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52958	08/02/12 10:13	DE	TAL NC
Total/NA	Analysis	6010B		1	53436	08/06/12 22:22	BD	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-05SE-0205-SSXX

Lab Sample ID: 240-13653-6

Date Collected: 07/26/12 09:01

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 68.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52958	08/02/12 10:13	DE	TAL NC
Total/NA	Analysis	6010B		1	53436	08/06/12 22:27	BD	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Client Sample ID: LLI01-05NE-0006-SSXX

Lab Sample ID: 240-13653-7

Date Collected: 07/26/12 09:08

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52958	08/02/12 10:13	DE	TAL NC
Total/NA	Analysis	6010B		1	53436	08/06/12 22:33	BD	TAL NC
Total/NA	Analysis	6010B		1	53461	08/07/12 20:43	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Client Sample ID: LLI01-05NE-0602-SSXX

Lab Sample ID: 240-13653-8

Date Collected: 07/26/12 09:09

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52958	08/02/12 10:13	DE	TAL NC
Total/NA	Analysis	6010B		1	53436	08/06/12 22:39	BD	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Client Sample ID: LLI01-05NE-0205-SSXX

Lab Sample ID: 240-13653-9

Date Collected: 07/26/12 09:10

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 95.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52958	08/02/12 10:13	DE	TAL NC
Total/NA	Analysis	6010B		1	53436	08/06/12 22:45	BD	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Client Sample ID: LLI01-02NW-0006-SSXX

Lab Sample ID: 240-13653-12

Date Collected: 07/26/12 09:34

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 88.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52958	08/02/12 10:13	DE	TAL NC
Total/NA	Analysis	6010B		1	53436	08/06/12 22:50	BD	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-02NW-0602-SSXX

Lab Sample ID: 240-13653-13

Date Collected: 07/26/12 09:35

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 87.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52958	08/02/12 10:13	DE	TAL NC
Total/NA	Analysis	6010B		1	53436	08/06/12 22:56	BD	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Client Sample ID: LLI01-02NW-0205-SSXX

Lab Sample ID: 240-13653-14

Date Collected: 07/26/12 09:36

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 52.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52968	08/02/12 10:41	DE	TAL NC
Total/NA	Analysis	6010B		1	53461	08/08/12 00:31	KC	TAL NC
Total/NA	Analysis	6010B		5	53790	08/08/12 19:55	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Client Sample ID: LLI01-02NE-0006-SSXX

Lab Sample ID: 240-13653-15

Date Collected: 07/26/12 09:45

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 93.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52968	08/02/12 10:41	DE	TAL NC
Total/NA	Analysis	6010B		1	53461	08/08/12 00:36	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Client Sample ID: LLI01-02NE-0602-SSXX

Lab Sample ID: 240-13653-16

Date Collected: 07/26/12 09:46

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 91.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52968	08/02/12 10:41	DE	TAL NC
Total/NA	Analysis	6010B		1	53461	08/08/12 00:48	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Client Sample ID: LLI01-02NE-0205-SSXX

Lab Sample ID: 240-13653-17

Date Collected: 07/26/12 09:47

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 80.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52968	08/02/12 10:41	DE	TAL NC
Total/NA	Analysis	6010B		1	53461	08/08/12 00:53	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-03NW-0006-SSXX

Lab Sample ID: 240-13653-20

Date Collected: 07/26/12 10:09

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 92.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52968	08/02/12 10:41	DE	TAL NC
Total/NA	Analysis	6010B		1	53461	08/08/12 00:59	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Client Sample ID: LLI01-03NW-0602-SSXX

Lab Sample ID: 240-13653-21

Date Collected: 07/26/12 10:12

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 71.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52968	08/02/12 10:41	DE	TAL NC
Total/NA	Analysis	6010B		1	53461	08/08/12 00:02	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Client Sample ID: LLI01-03NW-0205-SSXX

Lab Sample ID: 240-13653-22

Date Collected: 07/26/12 10:15

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 73.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52968	08/02/12 10:41	DE	TAL NC
Total/NA	Analysis	6010B		1	53461	08/08/12 01:05	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Client Sample ID: LLI01-09NW-0006-SSXX

Lab Sample ID: 240-13653-25

Date Collected: 07/26/12 11:44

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 86.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52968	08/02/12 10:41	DE	TAL NC
Total/NA	Analysis	6010B		1	53461	08/08/12 01:10	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Client Sample ID: LLI01-09NW-0602-SSXX

Lab Sample ID: 240-13653-26

Date Collected: 07/26/12 11:45

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 73.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52968	08/02/12 10:41	DE	TAL NC
Total/NA	Analysis	6010B		1	53461	08/08/12 01:16	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-09NW-0205-SSXX

Lab Sample ID: 240-13653-27

Date Collected: 07/26/12 11:46

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 79.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52968	08/02/12 10:41	DE	TAL NC
Total/NA	Analysis	6010B		1	53461	08/08/12 01:22	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Client Sample ID: LLI01-08SW-0006-SSXX

Lab Sample ID: 240-13653-30

Date Collected: 07/26/12 12:04

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 85.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52968	08/02/12 10:41	DE	TAL NC
Total/NA	Analysis	6010B		1	53461	08/08/12 01:39	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Client Sample ID: LLI01-08SW-0602-SSXX

Lab Sample ID: 240-13653-31

Date Collected: 07/26/12 12:06

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 87.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52968	08/02/12 10:41	DE	TAL NC
Total/NA	Analysis	6010B		1	53461	08/08/12 01:44	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Client Sample ID: LLI01-08SW-0205-SSXX

Lab Sample ID: 240-13653-32

Date Collected: 07/26/12 12:07

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 72.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52968	08/02/12 10:41	DE	TAL NC
Total/NA	Analysis	6010B		1	53461	08/08/12 01:50	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Client Sample ID: LLI01-08NW-0006-SSXX

Lab Sample ID: 240-13653-33

Date Collected: 07/26/12 12:11

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 83.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52968	08/02/12 10:41	DE	TAL NC
Total/NA	Analysis	6010B		1	53461	08/08/12 01:56	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-08NW-0602-SSXX

Lab Sample ID: 240-13653-34

Date Collected: 07/26/12 12:12

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 83.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52968	08/02/12 10:41	DE	TAL NC
Total/NA	Analysis	6010B		1	53461	08/08/12 02:02	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Client Sample ID: LLI01-08NW-0205-SSXX

Lab Sample ID: 240-13653-35

Date Collected: 07/26/12 12:14

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 90.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52968	08/02/12 10:41	DE	TAL NC
Total/NA	Analysis	6010B		1	53461	08/08/12 02:07	KC	TAL NC
Total/NA	Analysis	6010B		5	53790	08/08/12 20:00	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Client Sample ID: LLI01-08SE-0006-SSXX

Lab Sample ID: 240-13653-36

Date Collected: 07/26/12 12:20

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 83.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52968	08/02/12 10:41	DE	TAL NC
Total/NA	Analysis	6010B		1	53461	08/08/12 02:13	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Client Sample ID: LLI01-08SE-0602-SSXX

Lab Sample ID: 240-13653-37

Date Collected: 07/26/12 12:21

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 82.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52968	08/02/12 10:41	DE	TAL NC
Total/NA	Analysis	6010B		1	53461	08/08/12 02:19	KC	TAL NC
Total/NA	Analysis	6010B		1	53790	08/08/12 20:17	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Client Sample ID: LLI01-08SE-0205-SSXX

Lab Sample ID: 240-13653-38

Date Collected: 07/26/12 12:22

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 81.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52968	08/02/12 10:41	DE	TAL NC
Total/NA	Analysis	6010B		1	53461	08/08/12 02:24	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-08NE-0006-SSXX

Lab Sample ID: 240-13653-39

Date Collected: 07/26/12 12:25

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 42.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52968	08/02/12 10:41	DE	TAL NC
Total/NA	Analysis	6010B		1	53461	08/08/12 02:30	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Client Sample ID: LLI01-08NE-0602-SSXX

Lab Sample ID: 240-13653-40

Date Collected: 07/26/12 12:26

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 74.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52998	08/02/12 11:30	DE	TAL NC
Total/NA	Analysis	6010B		1	53461	08/07/12 21:34	KC	TAL NC
Total/NA	Analysis	6010B		1	53790	08/08/12 18:18	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Client Sample ID: LLI01-08NE-0205-SSXX

Lab Sample ID: 240-13653-41

Date Collected: 07/26/12 12:27

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 60.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52998	08/02/12 11:30	DE	TAL NC
Total/NA	Analysis	6010B		1	53461	08/07/12 21:40	KC	TAL NC
Total/NA	Analysis	6010B		1	53790	08/08/12 18:24	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Client Sample ID: LLI01-06SE-0006-SSXX

Lab Sample ID: 240-13653-44

Date Collected: 07/26/12 12:52

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52998	08/02/12 11:30	DE	TAL NC
Total/NA	Analysis	6010B		1	53461	08/07/12 21:46	KC	TAL NC
Total/NA	Analysis	6010B		1	53790	08/08/12 18:29	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Client Sample ID: LLI01-06SE-0602-SSXX

Lab Sample ID: 240-13653-45

Date Collected: 07/26/12 12:53

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 92.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52998	08/02/12 11:30	DE	TAL NC
Total/NA	Analysis	6010B		1	53461	08/07/12 21:51	KC	TAL NC
Total/NA	Analysis	6010B		1	53790	08/08/12 18:35	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-06SE-0205-SSXX

Lab Sample ID: 240-13653-46

Date Collected: 07/26/12 12:54

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 80.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52998	08/02/12 11:30	DE	TAL NC
Total/NA	Analysis	6010B		1	53461	08/07/12 21:57	KC	TAL NC
Total/NA	Analysis	6010B		1	53790	08/08/12 18:41	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Client Sample ID: LLI01-06NE-0006-SSXX

Lab Sample ID: 240-13653-47

Date Collected: 07/26/12 13:06

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 88.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52998	08/02/12 11:30	DE	TAL NC
Total/NA	Analysis	6010B		1	53461	08/07/12 22:14	KC	TAL NC
Total/NA	Analysis	6010B		1	53790	08/08/12 18:46	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Client Sample ID: LLI01-06NE-0602-SSXX

Lab Sample ID: 240-13653-48

Date Collected: 07/26/12 13:07

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 89.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52998	08/02/12 11:30	DE	TAL NC
Total/NA	Analysis	6010B		1	53461	08/07/12 22:20	KC	TAL NC
Total/NA	Analysis	6010B		1	53790	08/08/12 18:52	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Client Sample ID: LLI01-06NE-0205-SSXX

Lab Sample ID: 240-13653-49

Date Collected: 07/26/12 13:08

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52998	08/02/12 11:30	DE	TAL NC
Total/NA	Analysis	6010B		1	53461	08/07/12 22:26	KC	TAL NC
Total/NA	Analysis	6010B		1	53790	08/08/12 19:09	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Client Sample ID: LLI01-06NW-0006-SSXX

Lab Sample ID: 240-13653-50

Date Collected: 07/26/12 13:18

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 87.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52998	08/02/12 11:30	DE	TAL NC
Total/NA	Analysis	6010B		1	53461	08/07/12 22:31	KC	TAL NC
Total/NA	Analysis	6010B		1	53790	08/08/12 19:15	KC	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-06NW-0006-SSXX

Lab Sample ID: 240-13653-50

Date Collected: 07/26/12 13:18

Matrix: Solid

Date Received: 07/28/12 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Client Sample ID: LLI01-06NW-0602-SSXX

Lab Sample ID: 240-13653-51

Date Collected: 07/26/12 13:19

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 89.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52998	08/02/12 11:30	DE	TAL NC
Total/NA	Analysis	6010B		1	53461	08/07/12 22:37	KC	TAL NC
Total/NA	Analysis	6010B		1	53790	08/08/12 19:21	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Client Sample ID: LLI01-06NW-0205-SSXX

Lab Sample ID: 240-13653-52

Date Collected: 07/26/12 13:20

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 81.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52998	08/02/12 11:30	DE	TAL NC
Total/NA	Analysis	6010B		1	53461	08/07/12 21:17	KC	TAL NC
Total/NA	Analysis	6010B		1	53790	08/08/12 18:01	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Client Sample ID: LLI01-06SW-0006-SSXX

Lab Sample ID: 240-13653-53

Date Collected: 07/26/12 13:25

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 84.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52998	08/02/12 11:30	DE	TAL NC
Total/NA	Analysis	6010B		1	53461	08/07/12 22:43	KC	TAL NC
Total/NA	Analysis	6010B		1	53790	08/08/12 19:26	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Client Sample ID: LLI01-06SW-0602-SSXX

Lab Sample ID: 240-13653-54

Date Collected: 07/26/12 13:26

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 84.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52998	08/02/12 11:30	DE	TAL NC
Total/NA	Analysis	6010B		1	53461	08/07/12 22:48	KC	TAL NC
Total/NA	Analysis	6010B		1	53790	08/08/12 19:32	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-06SW-0205-SSXX

Lab Sample ID: 240-13653-55

Date Collected: 07/26/12 13:27

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 56.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52998	08/02/12 11:30	DE	TAL NC
Total/NA	Analysis	6010B		1	53461	08/07/12 22:54	KC	TAL NC
Total/NA	Analysis	6010B		1	53790	08/08/12 19:38	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Client Sample ID: LLI01-07SW-0006-SSXX

Lab Sample ID: 240-13653-58

Date Collected: 07/26/12 13:48

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 86.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52998	08/02/12 11:30	DE	TAL NC
Total/NA	Analysis	6010B		1	53461	08/07/12 23:00	KC	TAL NC
Total/NA	Analysis	6010B		1	53790	08/08/12 19:43	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Client Sample ID: LLI01-07SW-0602-SSXX

Lab Sample ID: 240-13653-59

Date Collected: 07/26/12 13:49

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 85.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52998	08/02/12 11:30	DE	TAL NC
Total/NA	Analysis	6010B		1	53461	08/07/12 23:05	KC	TAL NC
Total/NA	Analysis	6010B		1	53790	08/08/12 19:49	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Client Sample ID: LLI01-07SW-0205-SSXX

Lab Sample ID: 240-13653-60

Date Collected: 07/26/12 13:50

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52998	08/02/12 11:30	DE	TAL NC
Total/NA	Analysis	6010B		1	53461	08/07/12 23:22	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Client Sample ID: LLI01-07NW-0006-SSXX

Lab Sample ID: 240-13653-61

Date Collected: 07/26/12 13:56

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 87.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52998	08/02/12 11:30	DE	TAL NC
Total/NA	Analysis	6010B		1	53461	08/07/12 23:28	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-07NW-0602-SSXX

Lab Sample ID: 240-13653-62

Date Collected: 07/26/12 13:57

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 85.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52998	08/02/12 11:30	DE	TAL NC
Total/NA	Analysis	6010B		1	53461	08/07/12 23:34	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Client Sample ID: LLI01-07NW-0205-SSXX

Lab Sample ID: 240-13653-63

Date Collected: 07/26/12 13:58

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			52998	08/02/12 11:30	DE	TAL NC
Total/NA	Analysis	6010B		1	53461	08/07/12 23:39	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Client Sample ID: LLI01-07SE-0006-SSXX

Lab Sample ID: 240-13653-64

Date Collected: 07/26/12 14:04

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 84.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53023	08/02/12 12:37	DE	TAL NC
Total/NA	Analysis	6010B		1	53436	08/06/12 23:47	BD	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Client Sample ID: LLI01-07SE-0602-SSXX

Lab Sample ID: 240-13653-65

Date Collected: 07/26/12 14:05

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 93.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53023	08/02/12 12:37	DE	TAL NC
Total/NA	Analysis	6010B		1	53436	08/06/12 23:53	BD	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Client Sample ID: LLI01-07SE-0205-SSXX

Lab Sample ID: 240-13653-66

Date Collected: 07/26/12 14:06

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 79.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53023	08/02/12 12:37	DE	TAL NC
Total/NA	Analysis	6010B		1	53436	08/06/12 23:58	BD	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-07NE-0006-SSXX

Lab Sample ID: 240-13653-67

Date Collected: 07/26/12 14:15

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 86.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53023	08/02/12 12:37	DE	TAL NC
Total/NA	Analysis	6010B		1	53436	08/07/12 00:04	BD	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Client Sample ID: LLI01-07NE-0602-SSXX

Lab Sample ID: 240-13653-68

Date Collected: 07/26/12 14:16

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 91.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53023	08/02/12 12:37	DE	TAL NC
Total/NA	Analysis	6010B		1	53436	08/07/12 00:21	BD	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Client Sample ID: LLI01-07NE-0205-SSXX

Lab Sample ID: 240-13653-69

Date Collected: 07/26/12 14:17

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 97.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53023	08/02/12 12:37	DE	TAL NC
Total/NA	Analysis	6010B		1	53436	08/07/12 00:27	BD	TAL NC
Total/NA	Analysis	6010B		5	53461	08/07/12 20:49	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Client Sample ID: LLI01-12NE-0006-SSXX

Lab Sample ID: 240-13653-72

Date Collected: 07/26/12 14:36

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 89.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53023	08/02/12 12:37	DE	TAL NC
Total/NA	Analysis	6010B		1	53436	08/07/12 00:32	BD	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Client Sample ID: LLI01-12NE-0602-SSXX

Lab Sample ID: 240-13653-73

Date Collected: 07/26/12 14:37

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 90.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53023	08/02/12 12:37	DE	TAL NC
Total/NA	Analysis	6010B		1	53436	08/07/12 00:38	BD	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-12NE-0205-SSXX

Lab Sample ID: 240-13653-74

Date Collected: 07/26/12 14:38

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53023	08/02/12 12:37	DE	TAL NC
Total/NA	Analysis	6010B		1	53436	08/07/12 00:44	BD	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Client Sample ID: LLI01-12SE-0006-SSXX

Lab Sample ID: 240-13653-75

Date Collected: 07/26/12 14:46

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 86.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53023	08/02/12 12:37	DE	TAL NC
Total/NA	Analysis	6010B		1	53436	08/07/12 00:49	BD	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Client Sample ID: LLI01-12SE-0602-SSXX

Lab Sample ID: 240-13653-76

Date Collected: 07/26/12 14:47

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 88.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53023	08/02/12 12:37	DE	TAL NC
Total/NA	Analysis	6010B		1	53436	08/07/12 00:55	BD	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Client Sample ID: LLI01-12SE-0205-SSXX

Lab Sample ID: 240-13653-77

Date Collected: 07/26/12 14:48

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 77.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53023	08/02/12 12:37	DE	TAL NC
Total/NA	Analysis	6010B		1	53436	08/07/12 01:01	BD	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Client Sample ID: LLI01-12SW-0006-SSXX

Lab Sample ID: 240-13653-78

Date Collected: 07/26/12 14:54

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 85.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53023	08/02/12 12:37	DE	TAL NC
Total/NA	Analysis	6010B		1	53436	08/07/12 01:06	BD	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-12SW-0602-SSXX

Lab Sample ID: 240-13653-79

Date Collected: 07/26/12 14:55

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 84.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53023	08/02/12 12:37	DE	TAL NC
Total/NA	Analysis	6010B		1	53436	08/07/12 01:12	BD	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Client Sample ID: LLI01-12SW-0205-SSXX

Lab Sample ID: 240-13653-80

Date Collected: 07/26/12 14:56

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 84.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53023	08/02/12 12:37	DE	TAL NC
Total/NA	Analysis	6010B		1	53436	08/07/12 01:29	BD	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Client Sample ID: LLI01-12NW-0006-SSXX

Lab Sample ID: 240-13653-81

Date Collected: 07/26/12 15:00

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 89.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53023	08/02/12 12:37	DE	TAL NC
Total/NA	Analysis	6010B		1	53436	08/07/12 01:35	BD	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Client Sample ID: LLI01-12NW-0602-SSXX

Lab Sample ID: 240-13653-82

Date Collected: 07/26/12 15:01

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 90.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53023	08/02/12 12:37	DE	TAL NC
Total/NA	Analysis	6010B		1	53436	08/06/12 23:24	BD	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Client Sample ID: LLI01-12NW-0205-SSXX

Lab Sample ID: 240-13653-83

Date Collected: 07/26/12 15:04

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 89.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53023	08/02/12 12:37	DE	TAL NC
Total/NA	Analysis	6010B		1	53436	08/07/12 01:40	BD	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 12:40	JB	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-13NW-0006-SSXX

Lab Sample ID: 240-13653-86

Date Collected: 07/26/12 15:21

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53023	08/02/12 12:37	DE	TAL NC
Total/NA	Analysis	6010B		1	53436	08/07/12 01:46	BD	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 13:37	JB	TAL NC

Client Sample ID: LLI01-13NW-0602-SSXX

Lab Sample ID: 240-13653-87

Date Collected: 07/26/12 15:22

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 69.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53023	08/02/12 12:37	DE	TAL NC
Total/NA	Analysis	6010B		1	53436	08/07/12 01:52	BD	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 13:37	JB	TAL NC

Client Sample ID: LLI01-13NW-0205-SSXX

Lab Sample ID: 240-13653-88

Date Collected: 07/26/12 15:23

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 84.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53131	08/03/12 09:56	DE	TAL NC
Total/NA	Analysis	6010B		1	53790	08/08/12 21:31	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 13:37	JB	TAL NC

Client Sample ID: LLI01-13SW-0006-SSXX

Lab Sample ID: 240-13653-89

Date Collected: 07/26/12 15:39

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 87.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53131	08/03/12 09:56	DE	TAL NC
Total/NA	Analysis	6010B		1	53790	08/08/12 21:54	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 13:37	JB	TAL NC

Client Sample ID: LLI01-13SW-0602-SSXX

Lab Sample ID: 240-13653-90

Date Collected: 07/26/12 15:40

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 81.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53131	08/03/12 09:56	DE	TAL NC
Total/NA	Analysis	6010B		1	53790	08/08/12 22:00	KC	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 14:09	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 13:37	JB	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-13SW-0205-SSXX

Lab Sample ID: 240-13653-91

Date Collected: 07/26/12 15:41

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 84.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53131	08/03/12 09:56	DE	TAL NC
Total/NA	Analysis	6010B		1	53790	08/08/12 22:05	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 13:37	JB	TAL NC

Client Sample ID: LLI01-13SE-0006-SSXX

Lab Sample ID: 240-13653-92

Date Collected: 07/26/12 15:51

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 87.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53131	08/03/12 09:56	DE	TAL NC
Total/NA	Analysis	6010B		1	53790	08/08/12 22:11	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 13:37	JB	TAL NC

Client Sample ID: LLI01-13SE-0602-SSXX

Lab Sample ID: 240-13653-93

Date Collected: 07/26/12 15:52

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 88.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53131	08/03/12 09:56	DE	TAL NC
Total/NA	Analysis	6010B		1	53790	08/08/12 22:17	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 13:37	JB	TAL NC

Client Sample ID: LLI01-13SE-0205-SSXX

Lab Sample ID: 240-13653-94

Date Collected: 07/26/12 15:53

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 85.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53131	08/03/12 09:56	DE	TAL NC
Total/NA	Analysis	6010B		1	53790	08/08/12 22:34	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 13:37	JB	TAL NC

Client Sample ID: LLI01-13NE-0006-SSXX

Lab Sample ID: 240-13653-95

Date Collected: 07/26/12 15:59

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 90.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53131	08/03/12 09:56	DE	TAL NC
Total/NA	Analysis	6010B		1	53790	08/08/12 22:39	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 13:37	JB	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-13NE-0602-SSXX

Lab Sample ID: 240-13653-96

Date Collected: 07/26/12 16:00

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 87.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53131	08/03/12 09:56	DE	TAL NC
Total/NA	Analysis	6010B		1	53790	08/08/12 22:45	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 13:37	JB	TAL NC

Client Sample ID: LLI01-13NE-0205-SSXX

Lab Sample ID: 240-13653-97

Date Collected: 07/26/12 16:01

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 86.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53131	08/03/12 09:56	DE	TAL NC
Total/NA	Analysis	6010B		1	53790	08/08/12 22:51	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 13:37	JB	TAL NC

Client Sample ID: LLI01-DP05-XXXX-SSFD

Lab Sample ID: 240-13653-100

Date Collected: 07/26/12 00:00

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 82.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53131	08/03/12 09:56	DE	TAL NC
Total/NA	Analysis	6010B		1	53790	08/08/12 22:56	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 13:37	JB	TAL NC

Client Sample ID: LLI01-DP06-XXXX-SSFD

Lab Sample ID: 240-13653-101

Date Collected: 07/26/12 00:00

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 94.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53131	08/03/12 09:56	DE	TAL NC
Total/NA	Analysis	6010B		1	53790	08/08/12 23:02	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 13:37	JB	TAL NC

Client Sample ID: LLI01-DP07-XXXX-SSFD

Lab Sample ID: 240-13653-102

Date Collected: 07/26/12 00:00

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 85.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53131	08/03/12 09:56	DE	TAL NC
Total/NA	Analysis	6010B		1	53790	08/08/12 23:08	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 13:37	JB	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Client Sample ID: LLI01-DP08-XXXX-SSFD

Lab Sample ID: 240-13653-103

Date Collected: 07/26/12 00:00

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 87.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53131	08/03/12 09:56	DE	TAL NC
Total/NA	Analysis	6010B		1	53790	08/08/12 23:13	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 13:37	JB	TAL NC

Client Sample ID: LLI01-DP09-XXXX-SSFD

Lab Sample ID: 240-13653-104

Date Collected: 07/26/12 00:00

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 96.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53131	08/03/12 09:56	DE	TAL NC
Total/NA	Analysis	6010B		1	53790	08/08/12 23:19	KC	TAL NC
Total/NA	Analysis	6010B		5	53842	08/09/12 14:14	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 13:37	JB	TAL NC

Client Sample ID: LLI01-DP10-XXXX-SSFD

Lab Sample ID: 240-13653-105

Date Collected: 07/26/12 00:00

Matrix: Solid

Date Received: 07/28/12 09:30

Percent Solids: 84.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53131	08/03/12 09:56	DE	TAL NC
Total/NA	Analysis	6010B		1	53790	08/08/12 23:25	KC	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 14:20	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 13:37	JB	TAL NC

Laboratory References:

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

Certification Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13653-1

Laboratory: TestAmerica Canton

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

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAC	9	01144CA	06-30-13
Connecticut	State Program	1	PH-0590	12-31-13
Florida	NELAC	4	E87225	06-30-13
Georgia	State Program	4	N/A	06-30-13
Illinois	NELAC	5	200004	07-31-13
Kansas	NELAC	7	E-10336	01-31-13
Kentucky	State Program	4	58	11-16-12
L-A-B	DoD ELAP		L2315	02-28-13
Minnesota	NELAC	5	039-999-348	12-31-12
Nevada	State Program	9	OH-000482008A	07-31-12
New Jersey	NELAC	2	OH001	06-30-13
New York	NELAC	2	10975	04-01-13
Ohio VAP	State Program	5	CL0024	01-19-14
Pennsylvania	NELAC	3	68-00340	08-31-12
USDA	Federal		P330-11-00328	08-26-14
Virginia	NELAC	3	460175	09-14-12
Washington	State Program	10	C971	01-12-13
West Virginia DEP	State Program	3	210	12-31-12
Wisconsin	State Program	5	999518190	08-31-12

Chain of Custody Record

North Canton, OH

TestAmerica Laboratory location:
Regulatory program:

☐ DW ☐ NPDES ☐ RCRA ☐ Other

Company Name: Amec		Client Project Manager: Dan Dyer		Site Contact: Mark Loeb		Lab Contact:		COC No: 043383	
Address: 46850 Magellan		Telephone: 248-926-4008		Telephone: 330-966-9837		Telephone:		1 of 12 COCs	
City/State/Zip: Novi, MI 48377		Email: dan.dyer@amec.com		Analysis Turnaround Time (in business days)		Analyses		For lab use only	
Phone: 248-926-4008		TAT if different from below:		Standard		Waste characterization, lead		Waste in time	
Project Name: HWS Lake Linden		Method of Shipment/Carrier:		3 weeks		Composite C / Grab		Lab pickup	
Project Number: 329311440		Shipping/Tracking No:		2 weeks		Filtrated Sample (Y/N)		Lab sampling	
PO# Direct Bill to Honeywell		Matrix		1 week		Containers & Preservatives		Job SDC No	
Sample Identification		Sample Date		Sample Time		Air		Sample Specific Notes / Special Instructions:	
LL101-05NW-0006-SSXX		7/26/12		845		X			
LL101-05NW-0602-SSXX		7/26/12		847		X			
LL101-05NW-0205-SSXX		7/26/12		849		X			
LL101-05SE-0006-SSXX		7/26/12		858		X			
LL101-05SE-0602-SSXX		7/26/12		859		X			
LL101-05SE-0205-SSXX		7/26/12		901		X			
LL101-05NE-0006-SSXX		7/26/12		908		X			
LL101-05NE-0602-SSXX		7/26/12		909		X			
LL101-05NE-0205-SSXX		7/26/12		910		X			
LL101-05XX-0006-SSWC		7/26/12		918		X		Hold	
Possible Hazard Identification		Skin Irritant		Poison B		Unknown		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	
<input type="checkbox"/> Non-Hazard		<input type="checkbox"/> Flammable		<input type="checkbox"/> Return to Client		<input type="checkbox"/> Disposal By Lab		<input type="checkbox"/> Archive For	
Special Instructions/QC Requirements & Comments:		Months		Months		Months		Months	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:	
Relinquished by:		Date/Time:		Company:		Received in Laboratory by:		Date/Time:	

Hold waste characterization

Chain of Custody Record

North Canton, OH

TestAmerica Laboratory location:
Regulatory program:

TestAmerica Laboratories, Inc.

GOC No: 043391

Company Name: **Aneec**
Address: **48850 Magellan**
City/State/Zip: **Novi, MI 48377**
Phone: **248-926-4008**
Project Name: **HW Lake Linden**
Project Number: **3293111440**
PO# **Direct Bill to Honeywell**

Client Project Manager: **Dan Dyer**
Telephone: **248-926-4008**
Email: **dan.dyer@amer.com**

Site Contact: **Mark Loeb**
Telephone: **330-966-9837**

Lab Contact: **Waste Characterization**
Telephone: **Waste Characterization**

Analysis Turnaround Time (in 245 days):
TAT if different from below: **Standard**
☐ 3 weeks
☐ 2 weeks
☐ 1 week
☐ 2 days
☐ 1 day

Method of Shipment/Carrier:
Shipping/Tracking No:

Matrix:
Air ☐ Solid ☐ Sediment ☐ Other: ☐

Containers & Preservatives:
H2SO4 ☐ HNO3 ☐ HCl ☐ ZnAc ☐ NaOH ☐ Other: ☐

Filtered Sample (Y/N) ☐ Composite C / Grab G ☐ Analytes: **Heavy Metals, Asbestos, Copper, Lead**

Sample Specific Notes / Special Instructions: **hold**

Sample Date: **7/26/12** Sample Time: **920**

Sample Date: **7/26/12** Sample Time: **934**

Sample Date: **7/26/12** Sample Time: **935**

Sample Date: **7/26/12** Sample Time: **936**

Sample Date: **7/26/12** Sample Time: **945**

Sample Date: **7/26/12** Sample Time: **946**

Sample Date: **7/26/12** Sample Time: **947**

Sample Date: **7/26/12** Sample Time: **956**

Sample Date: **7/26/12** Sample Time: **958**

Sample Date: **7/26/12** Sample Time: **1009**

Possible Hazard Identification:
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Return to Client ☐ Disposed By Lab ☐ Archive For: **Months**

Special Instructions/QC Requirements & Comments: **hold waste characterization**

Relinquished by: **Amee** Date/Time: **7/27/12-12P** Company: **FedEx**

Relinquished by: **Amee** Date/Time: **7/27/12-12P** Company: **FedEx**

Relinquished by: **Amee** Date/Time: **7/28/12-0930** Company: **TA**

Chain of Custody Record

TestAmerica Laboratory location: North Canton, OH

Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

Client Contact Company Name: <u>Amecc</u> Address: <u>66850 Magellan</u> City/State/Zip: <u>Novi MI 48377</u> Phone: <u>248-926-4008</u> Project Name: <u>Flw Lake Linden</u> Project Number: <u>3293111440</u> P.O.#: <u>Direct Bill to Honeywell</u>		Client Project Manager: Name: <u>Dan Dyer</u> Telephone: <u>248-926-4008</u> Email: <u>dan.dyer@amecc.com</u>		Site Contact: Name: <u>Mark Loeb</u> Telephone: <u>330-966-9837</u>		Lab Contact: Name: <u>Mark Loeb</u> Telephone: <u>330-966-9837</u>		COC No: <u>043384</u> <u>3</u> of <u>12</u> COCs	
Method of Shipment/Carrier: Shipping/Tracking No:		Analysis Turnaround Time (BUS days) TAT is different from below: <u>Standard</u> <input type="checkbox"/> 3 weeks <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Analyses:		For release only: <input type="checkbox"/> Walk-in/cool <input type="checkbox"/> Lab pickup <input type="checkbox"/> Lab sampling <input type="checkbox"/> Lab/SDG Not		Sample Specific Notes / Special Instructions:	
Matrix: <input type="checkbox"/> Air <input type="checkbox"/> Aqueous <input type="checkbox"/> Sediment <input type="checkbox"/> Solid <input type="checkbox"/> Other:		Containers & Preservatives: HCl <input type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> ZnAc <input type="checkbox"/> H2O2 <input type="checkbox"/> Other:		Filtered Sample (Y/N)		Composite (Y/N)		Sample Specific Notes / Special Instructions:	
Sample Date Sample Time		Sample Date Sample Time		Sample Date Sample Time		Sample Date Sample Time		Sample Date Sample Time	
7/26/12 1012		7/26/12 1012		7/26/12 1013		7/26/12 1014		7/26/12 1015	
7/26/12 1012		7/26/12 1012		7/26/12 1013		7/26/12 1014		7/26/12 1015	
7/26/12 1012		7/26/12 1012		7/26/12 1013		7/26/12 1014		7/26/12 1015	
7/26/12 1012		7/26/12 1012		7/26/12 1013		7/26/12 1014		7/26/12 1015	
7/26/12 1012		7/26/12 1012		7/26/12 1013		7/26/12 1014		7/26/12 1015	
7/26/12 1012		7/26/12 1012		7/26/12 1013		7/26/12 1014		7/26/12 1015	
7/26/12 1012		7/26/12 1012		7/26/12 1013		7/26/12 1014		7/26/12 1015	
7/26/12 1012		7/26/12 1012		7/26/12 1013		7/26/12 1014		7/26/12 1015	
7/26/12 1012		7/26/12 1012		7/26/12 1013		7/26/12 1014		7/26/12 1015	
7/26/12 1012		7/26/12 1012		7/26/12 1013		7/26/12 1014		7/26/12 1015	
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7/26/12 1012		7/26/12 1012		7/26/12 1013		7/26/12 1014		7/26/12 1015	
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7/26/12 1012		7/26/12 1012		7/26/12 1013		7/26/12 1014		7/26/12 1015	
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7/26/12 1012		7/26/12 1012		7/26/12 1013		7/26/12 1014		7/26/12 1015	
7/26/12 1012		7/26/12 1012		7/26/12 1013		7/26/12 1014		7/26/12 1015	
7/26/12 1012		7/26/12 1012		7/26/12 1013		7/26/12 1014		7/26/12 1015	
7/26/12 1012		7/26/12 1012		7/26/12 1013		7/26/12 1014		7/26/12 1015	
7/26/12 1012		7/26/12 1012		7/26/12 1013		7/26/12 1014		7/26/12 1015	
7/26/12 1012		7/26/12 1012		7/26/12 1013		7/26/12 1014			

Chain of Custody Record

TestAmerica Laboratory location:
Regulatory program:

☐ DW ☐ NPDES ☐ RCRA ☐ Other

TestAmerica Laboratories, Inc.

COC No: 043390

4 of 12 COCs

Lab Contact:

Telephone:

Site Contact: Mark Loeb

Telephone: 330-966-9837

Email: dan.dyer@amec.com

Method of Shipment/Carrier:

Shipping/Tracking No:

Company Name: Amec

Address: 46850 Magellan

City/State/Zip: Novi MI 48377

Phone: 248-926-4008

Project Name: 4W Lake Linden

Project Number: 3293111440

P.O. # Direct Bill to Roseyuea

Sample Identification

Sample Date

Sample Time

Matrix

Containers & Preservatives

Analysis Turnaround Time (in days)

TAT if different from below

Analysis

Composite C/Graph

Filtered Sample (Y/N)

Sample Specific Notes / Special Instructions:

For lab use only

Walk-in cooler

Lab pickup

Lab samples

Job SDC No:

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return to Client

Disposal By Lab

Archive For

Months

Special Instructions/OC Requirements & Comments:

Waste characterization

Relinquished by: Amer

Relinquished by: Amer

Relinquished by: Amer

Date/Time: 7/27/12-12P

Date/Time: 7/27/12-12P

Date/Time: 7/28/12 0930

Company: Fed Ex

Company: Fed Ex

Company: TTH

Received by: Fed Ex

Received by: Fed Ex

Received in Laboratory by: TTH

TAL 0018-1 (04/10)

Chain of Custody Record

North Canton

TestAmerica Laboratory location:
Regulatory program:

☐ DW ☐ NPDES ☐ RCRA ☐ Other

TestAmerica Laboratories, Inc.

Client Contact		Site Contact: Mark Loeb		Lab Contact:		COC No: 043389	
Company Name: Amec		Telephone:		Telephone:		5 of 12 COCs	
Address: 46850 Magellan		Email: dan.dyer@amec.com		Analyses:		For lab use only	
City/State/Zip: Novi MI 48377		TAT is different from below:		Waste Characterization		Lab pickup	
Phone: 248 926-4008		3 weeks		SB, As, Cu, Fe, Pb		Lab sampling	
Project Name: HW Lake Linden		2 weeks				Lab storage	
Project Number: 329311440		1 week				Lab storage	
Shipping/Tracking No:		2 days				Lab storage	
PO# Direct Bill to HON		1 day				Lab storage	
Sample Identification		Containers & Preservatives		Filtered Sample (Y/N)		Sample Specific Notes / Special Instructions:	
		Air					
		Aqueous					
		Sediment					
		Solid					
		Other:					
Sample Date		Sample Time		H2SO4			
7/26/12		1225		HNO3			
7/26/12		1226		HCl			
7/26/12		1227		ZnAc			
7/26/12		1235		NaOH			
7/26/12		1238		Other:			
7/26/12		1252		Topres			
7/26/12		1253					
7/26/12		1254					
7/26/12		1306					
7/26/12		1307					
Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		Disposal By Lab		Archive For	
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown		Months					
Special Instructions/QC Requirements & Comments:							
Hold waste characterization							
Relinquished by: [Signature]		Company: Amec		Received by: FedEx		Date/Time: 7/22/12-12p	
Relinquished by:		Company:		Received by:		Date/Time:	
Relinquished by:		Company:		Received in Laboratory by: [Signature]		Date/Time: 7/28/12 0930	

TAL 0018-1 (04/10)

Chain of Custody Record

North Canton

TestAmerica Laboratory location:
Regulatory program:

☐ DW ☐ NPDES ☐ RCRA ☐ Other

TestAmerica Laboratories, Inc.

Client Contact Company Name: Ameel Address: 46830 Magellan City/State/Zip: Novi, MI 48377 Phone: 3293 111440 Project Name: HW Lake Linden Project Number: 3293 111440 PO# Direct Bill to HON		Client Project Manager: Name: Don Dyer Telephone: dan.dyer@amec.com Email: dan.dyer@amec.com Method of Shipment/Carrier: Shipping/Tracking No:		Site Contact: Name: Mark Loeb Telephone:		Lab Contact: Telephone:		COC No: 043392 6 of 12 COCs	
Sample Identification Sample ID: LL101-06NW-0205-SSXX Sample Date: 7/26/12 Sample Time: 1306		Matrix Aqueous <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Other: <input type="checkbox"/>		Containers & Preservatives HCl <input type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> ZnAc <input type="checkbox"/> Empres <input type="checkbox"/> Other: <input type="checkbox"/>		Analyses Waste Characterization <input checked="" type="checkbox"/> Sb, As, Cu, Fe, Pb <input checked="" type="checkbox"/>		Sample Specific Notes / Special Instructions:	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For <input type="checkbox"/> Months		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)							
Special Instructions/OC Requirements & Comments: hold waste characterization									
Relinquished by: [Signature] Date/Time: 7/23/12 - 12P Company: Ameel		Relinquished by: [Signature] Date/Time: 7/23/12 - 12P Company: FedEx		Relinquished by: [Signature] Date/Time: 7/28/12 - 0930 Company: TA		Relinquished by: [Signature] Date/Time: 7/28/12 - 0930 Company: TA		Relinquished by: [Signature] Date/Time: 7/28/12 - 0930 Company: TA	

Chain of Custody Record
North Canton

TestAmerica Laboratory location:
Regulatory program:

☐ DW ☐ NPDES ☐ RCRA ☐ Other

TestAmerica Laboratories, Inc.

Client Contact Company Name: <u>AmeC</u> Address: <u>46850 Magnolia</u> City/State/Zip: <u>Novi, MI 48377</u> Phone: <u>248-926-4008</u> Project Name: <u>HW Lake Linden</u> Project Number: <u>3293111440</u> PO# <u>Direct Bill to Item</u>		Client Project Manager: Name: <u>Dan Dyer</u> Telephone: <u></u> Email: <u>dan.dyer@amer.com</u> Method of Shipment/Carrier: <u></u> Shipping/Tracking No: <u></u>		Site Contact: Name: <u>Mark Loeb</u> Telephone: <u></u> Analyst: <u>Standard</u> TAT: if different from below: <u>Standard</u> <input type="checkbox"/> 3 weeks <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Lab Contact: Name: <u>Mark Loeb</u> Telephone: <u></u> Email: <u></u>		COC No: <u>043395</u> of <u>12</u> COCs			
Sample Identification Sample ID: <u>LL101-06XX-0602-SSXX</u> Sample Date: <u>7/26/12</u> Sample Time: <u>1335</u>		Matrix: Air: <input type="checkbox"/> Aqueous: <input type="checkbox"/> Sediment: <input type="checkbox"/> Solid: <input checked="" type="checkbox"/> Other: <u></u>		Containers & Preservatives: H2SO4: <input type="checkbox"/> HNO3: <input type="checkbox"/> HCl: <input type="checkbox"/> NaOH: <input type="checkbox"/> ZnAc: <input type="checkbox"/> Tupper: <input type="checkbox"/> Other: <u>3</u>		Filtered Sample (Y/N) Composite: <input type="checkbox"/> Grab: <input type="checkbox"/> Filtered: <input type="checkbox"/>		Analyses: Heavy Metals: <input type="checkbox"/> Volatiles: <input type="checkbox"/> Semi-volatiles: <input type="checkbox"/> PCBs: <input type="checkbox"/> PAHs: <input type="checkbox"/> BTEX: <input type="checkbox"/> Pesticides: <input type="checkbox"/> Herbicides: <input type="checkbox"/> Fertilizers: <input type="checkbox"/> Other: <u>Waste Characterization</u>		Sample Specific Notes / Special Instructions: <u>hold</u>	
Sample ID: <u>LL101-07SW-0006-SSXX</u> Sample Date: <u>7/26/12</u> Sample Time: <u>1348</u>		<input checked="" type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
Sample ID: <u>LL101-07SW-0602-SSXX</u> Sample Date: <u>7/26/12</u> Sample Time: <u>1349</u>		<input checked="" type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
Sample ID: <u>LL101-07SW-0205-SSXX</u> Sample Date: <u>7/26/12</u> Sample Time: <u>1350</u>		<input checked="" type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
Sample ID: <u>LL101-07NW-0006-SSXX</u> Sample Date: <u>7/26/12</u> Sample Time: <u>1356</u>		<input checked="" type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
Sample ID: <u>LL101-07NW-0602-SSXX</u> Sample Date: <u>7/26/12</u> Sample Time: <u>1357</u>		<input checked="" type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
Sample ID: <u>LL101-07NW-0205-SSXX</u> Sample Date: <u>7/26/12</u> Sample Time: <u>1358</u>		<input checked="" type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
Sample ID: <u>LL101-07SE-0006-SSXX</u> Sample Date: <u>7/26/12</u> Sample Time: <u>1404</u>		<input checked="" type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
Sample ID: <u>LL101-07SE-0602-SSXX</u> Sample Date: <u>7/26/12</u> Sample Time: <u>1405</u>		<input checked="" type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
Sample ID: <u>LL101-07SE-0205-SSXX</u> Sample Date: <u>7/26/12</u> Sample Time: <u>1406</u>		<input checked="" type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown										Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	
Special Instructions/QC Requirements & Comments: hold waste characterization											
Relinquished by: <u>[Signature]</u> Date/Time: <u>7/27/12-12P</u>		Company: <u>AmeC</u>		Received by: <u>FedEx</u> Date/Time: <u>7/27/12-12P</u>		Company: <u>FedEx</u>		Date/Time: <u>7/28/12-12P</u>		Company: <u></u>	
Relinquished by: <u>[Signature]</u> Date/Time: <u>7/27/12-12P</u>		Company: <u>AmeC</u>		Received by: <u>[Signature]</u> Date/Time: <u>7/27/12-12P</u>		Company: <u>ITA</u>		Date/Time: <u>7/28/12-0930</u>		Company: <u></u>	
Relinquished by: <u>[Signature]</u> Date/Time: <u>7/27/12-12P</u>		Company: <u>AmeC</u>		Received by: <u>[Signature]</u> Date/Time: <u>7/27/12-12P</u>		Company: <u>ITA</u>		Date/Time: <u>7/28/12-0930</u>		Company: <u></u>	

Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: North Canton

Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

Client Contact Company Name: <u>Amec</u> Address: <u>440 Lake Linden</u> City/State/Zip: <u>383 111440</u> Phone: <u>PO# Direct Bill to HON</u>		Client Project Manager: Name: <u>Dan Oyer</u> Telephone: <u>dan-oyer@amec.com</u> Email: <u>dan-oyer@amec.com</u> Method of Shipment/Carrier: <u>Standard</u> Shipping/Tracking No: <u>Standard</u>		Site Contact: Name: <u>Mark Loeb</u> Telephone: <u>Standard</u> TAT if different from below: <u>Standard</u> Analysis: <u>Standard</u> TAT if different from below: <u>Standard</u> Containers & Preservatives: <u>Standard</u> Matrix: <u>Standard</u> Other: <u>Standard</u>		Lab Contact: Name: <u>Mark Loeb</u> Telephone: <u>Standard</u> TAT if different from below: <u>Standard</u> Analysis: <u>Standard</u> TAT if different from below: <u>Standard</u> Containers & Preservatives: <u>Standard</u> Matrix: <u>Standard</u> Other: <u>Standard</u>		TestAmerica Laboratories, Inc. COC No: <u>043385</u> of <u>12</u> COCs Sample Specific Notes / Special Instructions: <u>hold</u>	
Sample Identification Sample ID: <u>LL101-12SE-0205-SSXX</u> Sample Date: <u>7/26/12</u> Sample Time: <u>1448</u>		Matrix Air: <u>X</u> Aqueous: <u>X</u> Sediment: <u>X</u> Solid: <u>X</u> Other: <u>X</u>		Containers & Preservatives H2SO4: <u>X</u> HNO3: <u>X</u> HCl: <u>X</u> NaOH: <u>X</u> ZnAc: <u>X</u> Uptres: <u>X</u> Other: <u>X</u>		Analyses For lab use only: Walk-out tests: <u>X</u> Lab prep: <u>X</u> Lab shipping: <u>X</u> Job/KIT/Net: <u>X</u>		Sample Specific Notes / Special Instructions: <u>hold</u>	
Sample Identification Sample ID: <u>LL101-12SW-0205-SSXX</u> Sample Date: <u>7/26/12</u> Sample Time: <u>1454</u>		Matrix Air: <u>X</u> Aqueous: <u>X</u> Sediment: <u>X</u> Solid: <u>X</u> Other: <u>X</u>		Containers & Preservatives H2SO4: <u>X</u> HNO3: <u>X</u> HCl: <u>X</u> NaOH: <u>X</u> ZnAc: <u>X</u> Uptres: <u>X</u> Other: <u>X</u>		Analyses For lab use only: Walk-out tests: <u>X</u> Lab prep: <u>X</u> Lab shipping: <u>X</u> Job/KIT/Net: <u>X</u>		Sample Specific Notes / Special Instructions: <u>hold</u>	
Sample Identification Sample ID: <u>LL101-12SW-0602-SSXX</u> Sample Date: <u>7/26/12</u> Sample Time: <u>1455</u>		Matrix Air: <u>X</u> Aqueous: <u>X</u> Sediment: <u>X</u> Solid: <u>X</u> Other: <u>X</u>		Containers & Preservatives H2SO4: <u>X</u> HNO3: <u>X</u> HCl: <u>X</u> NaOH: <u>X</u> ZnAc: <u>X</u> Uptres: <u>X</u> Other: <u>X</u>		Analyses For lab use only: Walk-out tests: <u>X</u> Lab prep: <u>X</u> Lab shipping: <u>X</u> Job/KIT/Net: <u>X</u>		Sample Specific Notes / Special Instructions: <u>hold</u>	
Sample Identification Sample ID: <u>LL101-12SW-0205-SSXX</u> Sample Date: <u>7/26/12</u> Sample Time: <u>1456</u>		Matrix Air: <u>X</u> Aqueous: <u>X</u> Sediment: <u>X</u> Solid: <u>X</u> Other: <u>X</u>		Containers & Preservatives H2SO4: <u>X</u> HNO3: <u>X</u> HCl: <u>X</u> NaOH: <u>X</u> ZnAc: <u>X</u> Uptres: <u>X</u> Other: <u>X</u>		Analyses For lab use only: Walk-out tests: <u>X</u> Lab prep: <u>X</u> Lab shipping: <u>X</u> Job/KIT/Net: <u>X</u>		Sample Specific Notes / Special Instructions: <u>hold</u>	
Sample Identification Sample ID: <u>LL101-12NW-0006-SSXX</u> Sample Date: <u>7/26/12</u> Sample Time: <u>1500</u>		Matrix Air: <u>X</u> Aqueous: <u>X</u> Sediment: <u>X</u> Solid: <u>X</u> Other: <u>X</u>		Containers & Preservatives H2SO4: <u>X</u> HNO3: <u>X</u> HCl: <u>X</u> NaOH: <u>X</u> ZnAc: <u>X</u> Uptres: <u>X</u> Other: <u>X</u>		Analyses For lab use only: Walk-out tests: <u>X</u> Lab prep: <u>X</u> Lab shipping: <u>X</u> Job/KIT/Net: <u>X</u>		Sample Specific Notes / Special Instructions: <u>hold</u>	
Sample Identification Sample ID: <u>LL101-12NW-0602-SSXX</u> Sample Date: <u>7/26/12</u> Sample Time: <u>1501</u>		Matrix Air: <u>X</u> Aqueous: <u>X</u> Sediment: <u>X</u> Solid: <u>X</u> Other: <u>X</u>		Containers & Preservatives H2SO4: <u>X</u> HNO3: <u>X</u> HCl: <u>X</u> NaOH: <u>X</u> ZnAc: <u>X</u> Uptres: <u>X</u> Other: <u>X</u>		Analyses For lab use only: Walk-out tests: <u>X</u> Lab prep: <u>X</u> Lab shipping: <u>X</u> Job/KIT/Net: <u>X</u>		Sample Specific Notes / Special Instructions: <u>hold</u>	
Sample Identification Sample ID: <u>LL101-12NW-0602-SSMS</u> Sample Date: <u>7/26/12</u> Sample Time: <u>1502</u>		Matrix Air: <u>X</u> Aqueous: <u>X</u> Sediment: <u>X</u> Solid: <u>X</u> Other: <u>X</u>		Containers & Preservatives H2SO4: <u>X</u> HNO3: <u>X</u> HCl: <u>X</u> NaOH: <u>X</u> ZnAc: <u>X</u> Uptres: <u>X</u> Other: <u>X</u>		Analyses For lab use only: Walk-out tests: <u>X</u> Lab prep: <u>X</u> Lab shipping: <u>X</u> Job/KIT/Net: <u>X</u>		Sample Specific Notes / Special Instructions: <u>hold</u>	
Sample Identification Sample ID: <u>LL101-12NW-0602-SSMD</u> Sample Date: <u>7/26/12</u> Sample Time: <u>1503</u>		Matrix Air: <u>X</u> Aqueous: <u>X</u> Sediment: <u>X</u> Solid: <u>X</u> Other: <u>X</u>		Containers & Preservatives H2SO4: <u>X</u> HNO3: <u>X</u> HCl: <u>X</u> NaOH: <u>X</u> ZnAc: <u>X</u> Uptres: <u>X</u> Other: <u>X</u>		Analyses For lab use only: Walk-out tests: <u>X</u> Lab prep: <u>X</u> Lab shipping: <u>X</u> Job/KIT/Net: <u>X</u>		Sample Specific Notes / Special Instructions: <u>hold</u>	
Sample Identification Sample ID: <u>LL101-12NW-0205-SSXX</u> Sample Date: <u>7/26/12</u> Sample Time: <u>1504</u>		Matrix Air: <u>X</u> Aqueous: <u>X</u> Sediment: <u>X</u> Solid: <u>X</u> Other: <u>X</u>		Containers & Preservatives H2SO4: <u>X</u> HNO3: <u>X</u> HCl: <u>X</u> NaOH: <u>X</u> ZnAc: <u>X</u> Uptres: <u>X</u> Other: <u>X</u>		Analyses For lab use only: Walk-out tests: <u>X</u> Lab prep: <u>X</u> Lab shipping: <u>X</u> Job/KIT/Net: <u>X</u>		Sample Specific Notes / Special Instructions: <u>hold</u>	
Sample Identification Sample ID: <u>LL101-17XX-0006-SSMC</u> Sample Date: <u>7/26/12</u> Sample Time: <u>1512</u>		Matrix Air: <u>X</u> Aqueous: <u>X</u> Sediment: <u>X</u> Solid: <u>X</u> Other: <u>X</u>		Containers & Preservatives H2SO4: <u>X</u> HNO3: <u>X</u> HCl: <u>X</u> NaOH: <u>X</u> ZnAc: <u>X</u> Uptres: <u>X</u> Other: <u>X</u>		Analyses For lab use only: Walk-out tests: <u>X</u> Lab prep: <u>X</u> Lab shipping: <u>X</u> Job/KIT/Net: <u>X</u>		Sample Specific Notes / Special Instructions: <u>hold</u>	

Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location:
Regulatory program:

North Canton

☐ DW ☐ NPDES ☐ RCRA ☐ Other

Client Contact		Site Contact		Lab Contact		Analyses		Sample Specific Notes / Special Instructions:	
Company Name:	Address:	Client Project Manager:	Site Contact:	Lab Contact:	Telephone:	Telephone:	Telephone:	Telephone:	Telephone:
Amec		Dan Dyer	Mark Loeb						
City/State/Zip:		Telephone:	Telephone:						
Phone:		Email:	Analysis Turnaround Time (in BUS days)						
		dan.dyer@amec.com	TAT: If different from below:						
			3 weeks						
			2 weeks						
			1 week						
			2 days						
			1 day						
Project Name:		Method of Shipment/Carrier:							
Project Number:		Shipping/Tracking No:							
PO# Direct Bill to HON									
Sample Identification	Sample Date	Sample Time	Matrix	Containers & Preservatives	Other:	Filtered Sample (Y/N)	Composite (Grab)	Other:	Other:
LL101-12XX-0602-SSXX	7/26/12	1514	X	3					
LL101-13NW-0006-SSXX	7/26/12	1521		1					
LL101-13NW-0602-SSXX	7/26/12	1522		1					
LL101-13NW-0205-SSXX	7/26/12	1523		1					
LL101-13SW-0006-SSXX	7/26/12	1539		1					
LL101-13SW-0602-SSXX	7/26/12	1540		1					
LL101-13SW-0005-SSXX	7/26/12	1541		1					
LL101-13SE-0006-SSXX	7/26/12	1551		1					
LL101-13SE-0602-SSXX	7/26/12	1552		1					
LL101-13SE-0205-SSXX	7/26/12	1553		1					
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For Months									
Special Instructions/QC Requirements & Comments:									
hold waste characterization									
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:				
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:				
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:				

Chain of Custody Record

TestAmerica Laboratory location:
Regulatory program:

☐ DW ☐ NPDES ☐ RCRA ☐ Other

TestAmerica Laboratories, Inc.

COC No: **043399**

12 of 12 COCs

Client Contact Company Name: Amec Address: City/State/Zip: Phone: Email: dan.dup@amec.com		Site Contact: Name: Mark Loeb Telephone: Email:		Lab Contact: Name: Telephone: Email:	
Project Name: HW Lake Linder Project Number: 329311140 PO# Direct Bill to HON		Method of Shipment/Carrier: Shipping/Tracking No:		Analyses: Turnaround Time (in HRS-days) TAT if different from below: Standard <input type="checkbox"/> 3 weeks <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day	
Sample Identification LL101-DP10-XXXX-SSPD		Sample Date: 7/24/12 Sample Time:		Container & Preservatives Marked: <input checked="" type="checkbox"/> Solid <input type="checkbox"/> Sediment <input type="checkbox"/> Aqueous <input type="checkbox"/> N/A Other:	
Filtered Sample (X/N) <input checked="" type="checkbox"/> X		Composite (C/Grab) <input checked="" type="checkbox"/> C		Analyses: Sb, As, Cr, Fe, Pb	
Sample Specific Notes / Special Instructions:		For lab use only: Wait in office: <input type="checkbox"/> Lab pickup: <input type="checkbox"/> Lab sampling: <input type="checkbox"/> Job/SDG No:			

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Disposed By Lab ☐ Archive For Months

Special Instructions/QC Requirements & Comments:

Relinquished by: **Amec** Date/Time: **7/27/12-12P** Company: **FedEx**
 Relinquished by: Date/Time: Company:
 Relinquished by: Date/Time: Company: **FA**

TestAmerica North Canton Sample Receipt Form/Narrative

Login # : 13653

Client AMECSite Name Hw Lake Linden By: Ch JCooler Received on 7/28/12Opened on 7-30-12

(Signature)

FedEx: 1st Grd Exp UPS FAS Stetson Client Drop Off TestAmerica Courier OtherTestAmerica Cooler # _____ Foam Box Client Cooler Box Other MultiplePacking material used: Bubble Wrap Foam Plastic Bag None OtherCOOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# 1 (CF 0°C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C

IR GUN# 4G (CF -1°C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C

IR GUN# 5G (CF -1°C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C

IR GUN# 8 (CF 0°C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C

☒ Multiple
on Back2. Were custody seals on the outside of the cooler(s)? If Yes Quantity _____ Yes No-Were custody seals on the outside of the cooler(s) signed & dated? Yes No NA-Were custody seals on the bottle(s)? Yes No

3. Shippers' packing slip attached to the cooler(s)? Yes No

4. Did custody papers accompany the sample(s)? Yes No

5. Were the custody papers relinquished & signed in the appropriate place? Yes No

6. Did all bottles arrive in good condition (Unbroken)? Yes No7. Could all bottle labels be reconciled with the COC? Yes No8. Were correct bottle(s) used for the test(s) indicated? Yes No9. Sufficient quantity received to perform indicated analyses? Yes No10. Were sample(s) at the correct pH upon receipt? Yes No NA11. Were VOAs on the COC? Yes No12. Were air bubbles >6 mm in any VOA vials? Yes No NA13. Was a trip blank present in the cooler(s)? Yes No

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

Concerning

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

Login Sample Receipt Checklist

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-13653-1

Login Number: 13653

List Source: TestAmerica Canton

List Number: 1

Creator: Livengood, Chris

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

TestAmerica

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Canton

4101 Shuffel Street NW

North Canton, OH 44720

Tel: (330)497-9396

TestAmerica Job ID: 240-13671-1

Client Project/Site: Lake Linden

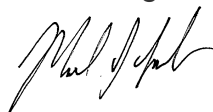
For:

AMEC Environment & Infrastructure, Inc.

46850 Magellan Drive, Suite 190

Novi, Michigan 48377

Attn: Doug Saigh



Authorized for release by:

8/14/2012 7:01:04 PM

Mark Loeb

Project Manager II

mark.loeb@testamericainc.com

LINKS

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results through

TotalAccess

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www.testamericainc.com

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

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

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Method Summary	8
Sample Summary	9
Detection Summary	11
Client Sample Results	26
QC Sample Results	122
QC Association Summary	129
Lab Chronicle	138
Certification Summary	158
Chain of Custody	160
Receipt Checklists	175



Definitions/Glossary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
U	Indicates the analyte was analyzed for but not detected.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the control limits

General Chemistry

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Job ID: 240-13671-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: AMEC Environment & Infrastructure, Inc.

Project: Lake Linden

Report Number: 240-13671-1

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

The 9012 Reactive Cyanide and 9034 Reactive Sulfide analysis were performed at the TestAmerica Buffalo Laboratory.

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

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

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

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

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

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

RECEIPT

The samples were received on 07/31/2012; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 1.6, 2.2, 3.9, 4.2 and 4.6 C.

TOTAL METALS (ICP)

Samples LLI01-14SW-0006-SSXX (240-13671-1), LLI01-14SW-0602-SSXX (240-13671-2), LLI01-14SW-0205-SSXX (240-13671-3), LLI01-14NW-0006-SSXX (240-13671-4), LLI01-14NW-0602-SSXX (240-13671-5), LLI01-14NW-0205-SSXX (240-13671-6), LLI01-14SE-0006-SSXX (240-13671-7), LLI01-14SE-0602-SSXX (240-13671-8), LLI01-14SE-0205-SSXX (240-13671-9), LLI01-14NE-0006-SSXX (240-13671-10), LLI01-14NE-0602-SSXX (240-13671-11), LLI01-14NE-0205-SSXX (240-13671-12), LLI01-15NW-0006-SSXX (240-13671-15), LLI01-15NW-0602-SSXX (240-13671-16), LLI01-15NW-0205-SSXX (240-13671-17), LLI01-15SW-0006-SSXX (240-13671-18), LLI01-15SW-0602-SSXX (240-13671-19), LLI01-15SW-0205-SSXX (240-13671-20), LLI01-17SE-0006-SSXX (240-13671-23), LLI01-17SE-0602-SSXX (240-13671-24), LLI01-17NE-0006-SSXX (240-13671-25), LLI01-17NE-0602-SSXX (240-13671-26), LLI01-17SW-0006-SSXX (240-13671-27), LLI01-11NW-0006-SSXX (240-13671-30), LLI01-11NW-0602-SSXX (240-13671-31), LLI01-11NE-0006-SSXX (240-13671-32), LLI01-11NE-0602-SSXX (240-13671-33), LLI01-11NE-0205-SSXX (240-13671-34), LLI01-11SE-0006-SSXX (240-13671-35), LLI01-11SE-0602-SSXX (240-13671-36), LLI01-11SE-0205-SSXX (240-13671-37), LLI01-11SW-0006-SSXX (240-13671-38), LLI01-11SW-0602-SSXX (240-13671-39), LLI01-11SW-0205-SSXX (240-13671-40), LLI01-18SW-0006-SSXX (240-13671-43), LLI01-18SW-0602-SSXX (240-13671-44),

Case Narrative

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Job ID: 240-13671-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

LLI01-18SW-0205-SSXX (240-13671-45), LLI01-18NW-0006-SSXX (240-13671-46), LLI01-18NW-0602-SSXX (240-13671-47), LLI01-18NW-0205-SSXX (240-13671-48), LLI01-18SE-0006-SSXX (240-13671-49), LLI01-18SE-0602-SSXX (240-13671-50), LLI01-18SE-0205-SSXX (240-13671-51), LLI01-18NE-0006-SSXX (240-13671-52), LLI01-18NE-0602-SSXX (240-13671-53), LLI01-18NE-0205-SSXX (240-13671-54), LLI01-19SW-0006-SSXX (240-13671-57), LLI01-19SW-0602-SSXX (240-13671-58), LLI01-19SW-0205-SSXX (240-13671-59), LLI01-19SE-0006-SSXX (240-13671-60), LLI01-19SE-0602-SSXX (240-13671-61), LLI01-19SE-0205-SSXX (240-13671-62), LLI01-19NW-0006-SSXX (240-13671-63), LLI01-19NW-0602-SSXX (240-13671-64), LLI01-19NW-0205-SSXX (240-13671-65), LLI01-28SW-0006-SSXX (240-13671-68), LLI01-28SW-0602-SSXX (240-13671-69), LLI01-28SW-0205-SSXX (240-13671-70), LLI01-28SE-0006-SSXX (240-13671-71), LLI01-28SE-0602-SSXX (240-13671-72), LLI01-28SE-0205-SSXX (240-13671-73), LLI01-28NE-0006-SSXX (240-13671-74), LLI01-28NE-0602-SSXX (240-13671-75), LLI01-28NW-0006-SSXX (240-13671-76), LLI01-28NW-0602-SSXX (240-13671-77), LLI01-28NW-0205-SSXX (240-13671-78), LLI01-27XX-0006-SSXX (240-13671-81), LLI01-27XX-0602-SSXX (240-13671-82), LLI01-27XX-0205-SSXX (240-13671-83), LLI01-20NE-0006-SSXX (240-13671-86), LLI01-20NE-0602-SSXX (240-13671-87), LLI01-20NE-0205-SSXX (240-13671-88), LLI01-20SW-0006-SSXX (240-13671-89), LLI01-20SW-0602-SSXX (240-13671-90), LLI01-20SW-0205-SSXX (240-13671-91), LLI01-20SE-0006-SSXX (240-13671-92), LLI01-20SE-0602-SSXX (240-13671-93), LLI01-20SE-0205-SSXX (240-13671-94), LLI01-21NW-0006-SSXX (240-13671-97), LLI01-21NW-0602-SSXX (240-13671-98), LLI01-21NW-0205-SSXX (240-13671-99), LLI01-21SW-0006-SSXX (240-13671-100), LLI01-21SW-0602-SSXX (240-13671-101), LLI01-21SW-0205-SSXX (240-13671-102), LLI01-DP11-XXXX-SSFD (240-13671-105), LLI01-DP12-XXXX-SSFD (240-13671-106), LLI01-DP13-XXXX-SSFD (240-13671-107), LLI01-DP14-XXXX-SSFD (240-13671-108), LLI01-DP15-XXXX-SSFD (240-13671-109), LLI01-DP16-XXXX-SSFD (240-13671-110), LLI01-DP17-XXXX-SSFD (240-13671-111), LLI01-DP18-XXXX-SSFD (240-13671-112), LLI01-DP19-XXXX-SSFD (240-13671-113) and LLI01-DP20-XXXX-SSFD (240-13671-114) were analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 08/07/2012, 08/08/2012 and 08/09/2012 and analyzed on 08/09/2012 and 08/10/2012.

Iron was detected in method blank MB 240-53541/1-A at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

Lead was detected in method blank MB 240-53603/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

Copper was detected in method blank MB 240-53617/1-A at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

Antimony was detected in method blank MB 240-53618/1-A at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

Iron was detected in method blank MB 240-53618/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

Antimony failed the recovery criteria low for the MS of sample LLI01-DP12-XXXX-SSFD (240-13671-106) in batch 240-54150. Iron and Copper failed the recovery criteria high. For the MSD of sample LLI01-DP12-XXXX-SSFD (240-13671-106) in batch 240-54150, Antimony and Iron failed the recovery criteria low. Copper failed the recovery criteria high. Also, Copper exceeded the rpd limit.

Antimony and Iron failed the recovery criteria low for the MS of sample LLI01-15SW-0205-SSXX (240-13671-20) in batch 240-54150. Copper failed the recovery criteria high. For the MSD of sample LLI01-15SW-0205-SSXX (240-13671-20) in batch 240-54150, Antimony failed the recovery criteria low. Iron and Copper failed the recovery criteria high. Also, Iron and Copper exceeded the rpd limit.

Antimony failed the recovery criteria low for the MS of sample LLI01-11SW-0205-SSXX (240-13671-40) in batch 240-53842. Iron failed the recovery criteria high. Iron failed the recovery criteria low for the MSD of sample LLI01-11SW-0205-SSXX (240-13671-40) in batch 240-53842.

Iron failed the recovery criteria high for the MS of sample LLI01-14NW-0602-SSXX (240-13671-5) in batch 240-53842. For the MSD of sample LLI01-14NW-0602-SSXX (240-13671-5) in batch 240-53842, Antimony failed the recovery criteria low. Copper and Iron failed the recovery criteria high. Also, Copper and Iron exceeded the rpd limit.

Case Narrative

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Job ID: 240-13671-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

Antimony and Iron failed the recovery criteria low for the MS and MSD of sample LLI01-19NW-0205-SSXX (240-13671-65) in batch 240-53842. Copper failed the recovery criteria high.

Antimony, Copper and Iron failed the recovery criteria low for the MS of sample LLI01-20SW-0602-SSXX (240-13671-90) in batch 240-53842. For the MSD of sample LLI01-20SW-0602-SSXX (240-13671-90) in batch 240-53842, Antimony failed the recovery criteria low. Copper and Iron failed the recovery criteria high. Also, Copper and Iron exceeded the rpd limit.

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

Samples LLI01-14SE-0602-SSXX (240-13671-8)[5X], LLI01-14SE-0205-SSXX (240-13671-9)[5X], LLI01-14NE-0006-SSXX (240-13671-10)[5X], LLI01-14NE-0602-SSXX (240-13671-11)[5X], LLI01-15SW-0602-SSXX (240-13671-19)[10X], LLI01-17SE-0006-SSXX (240-13671-23)[5X], LLI01-11SW-0006-SSXX (240-13671-38)[5X], LLI01-18SE-0205-SSXX (240-13671-51)[5X], LLI01-18NE-0006-SSXX (240-13671-52)[5X], LLI01-19SW-0205-SSXX (240-13671-59)[5X], LLI01-19SE-0602-SSXX (240-13671-61)[5X], LLI01-19NW-0205-SSXX (240-13671-65)[5X], LLI01-28SW-0602-SSXX (240-13671-69)[5X], LLI01-28SW-0205-SSXX (240-13671-70)[5X], LLI01-28SE-0006-SSXX (240-13671-71)[10X], LLI01-28SE-0205-SSXX (240-13671-73)[5X], LLI01-28NW-0006-SSXX (240-13671-76)[5X], LLI01-27XX-0006-SSXX (240-13671-81)[100X], LLI01-20NE-0006-SSXX (240-13671-86)[5X], LLI01-20SE-0006-SSXX (240-13671-92)[5X], LLI01-21SW-0602-SSXX (240-13671-101)[5X], LLI01-DP16-XXXX-SSFD (240-13671-110)[5X], LLI01-DP17-XXXX-SSFD (240-13671-111)[10X] and LLI01-DP19-XXXX-SSFD (240-13671-113)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The following sample(s) was diluted due to the nature of the sample matrix: LLI01-11SW-0006-SSXX (240-13671-38), LLI01-19SW-0205-SSXX (240-13671-59), LLI01-DP16-XXXX-SSFD (240-13671-110). Elevated reporting limits (RLs) are provided.

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

REACTIVE CYANIDE

Samples LLI01-14XX-0006-SSWC (240-13671-13) and LLI01-14XX-0602-SSWC (240-13671-14) were analyzed for reactive cyanide in accordance with EPA SW-846 Method 7.3.3. The samples were prepared on 08/02/2012 and analyzed on 08/03/2012.

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

REACTIVE SULFIDE

Samples LLI01-14XX-0006-SSWC (240-13671-13) and LLI01-14XX-0602-SSWC (240-13671-14) were analyzed for reactive sulfide in accordance with EPA SW-846 Method 7.3.4. The samples were prepared on 08/02/2012 and analyzed on 08/03/2012.

Sulfide, Reactive was detected in method blank MB 480-74972/2-A at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

The method blank for batch 75148 contained reactive sulfide above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed. LLI01-14XX-0006-SSWC (240-13671-13), LLI01-14XX-0602-SSWC (240-13671-14).

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

PH

Samples LLI01-14XX-0006-SSWC (240-13671-13) and LLI01-14XX-0602-SSWC (240-13671-14) were analyzed for pH in accordance with EPA SW-846 Method 9045C. The samples were analyzed on 08/02/2012.

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

PERCENT SOLIDS

Samples LLI01-14SW-0006-SSXX (240-13671-1), LLI01-14SW-0602-SSXX (240-13671-2), LLI01-14SW-0205-SSXX (240-13671-3), LLI01-14NW-0006-SSXX (240-13671-4), LLI01-14NW-0602-SSXX (240-13671-5), LLI01-14NW-0205-SSXX (240-13671-6), LLI01-14SE-0006-SSXX (240-13671-7), LLI01-14SE-0602-SSXX (240-13671-8), LLI01-14SE-0205-SSXX (240-13671-9), LLI01-14NE-0006-SSXX (240-13671-10), LLI01-14NE-0602-SSXX (240-13671-11), LLI01-14NE-0205-SSXX (240-13671-12),

Case Narrative

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Job ID: 240-13671-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

LLI01-14XX-0006-SSWC (240-13671-13), LLI01-14XX-0602-SSWC (240-13671-14), LLI01-15NW-0006-SSXX (240-13671-15), LLI01-15NW-0602-SSXX (240-13671-16), LLI01-15NW-0205-SSXX (240-13671-17), LLI01-15SW-0006-SSXX (240-13671-18), LLI01-15SW-0602-SSXX (240-13671-19), LLI01-15SW-0205-SSXX (240-13671-20), LLI01-17SE-0006-SSXX (240-13671-23), LLI01-17SE-0602-SSXX (240-13671-24), LLI01-17NE-0006-SSXX (240-13671-25), LLI01-17NE-0602-SSXX (240-13671-26), LLI01-17SW-0006-SSXX (240-13671-27), LLI01-11NW-0006-SSXX (240-13671-30), LLI01-11NW-0602-SSXX (240-13671-31), LLI01-11NE-0006-SSXX (240-13671-32), LLI01-11NE-0602-SSXX (240-13671-33), LLI01-11NE-0205-SSXX (240-13671-34), LLI01-11SE-0006-SSXX (240-13671-35), LLI01-11SE-0602-SSXX (240-13671-36), LLI01-11SE-0205-SSXX (240-13671-37), LLI01-11SW-0006-SSXX (240-13671-38), LLI01-11SW-0602-SSXX (240-13671-39), LLI01-11SW-0205-SSXX (240-13671-40), LLI01-18SW-0006-SSXX (240-13671-43), LLI01-18SW-0602-SSXX (240-13671-44), LLI01-18SW-0205-SSXX (240-13671-45), LLI01-18NW-0006-SSXX (240-13671-46), LLI01-18NW-0602-SSXX (240-13671-47), LLI01-18NW-0205-SSXX (240-13671-48), LLI01-18SE-0006-SSXX (240-13671-49), LLI01-18SE-0602-SSXX (240-13671-50), LLI01-18SE-0205-SSXX (240-13671-51), LLI01-18NE-0006-SSXX (240-13671-52), LLI01-18NE-0602-SSXX (240-13671-53), LLI01-18NE-0205-SSXX (240-13671-54), LLI01-19SW-0006-SSXX (240-13671-57), LLI01-19SW-0602-SSXX (240-13671-58), LLI01-19SW-0205-SSXX (240-13671-59), LLI01-19SE-0006-SSXX (240-13671-60), LLI01-19SE-0602-SSXX (240-13671-61), LLI01-19SE-0205-SSXX (240-13671-62), LLI01-19NW-0006-SSXX (240-13671-63), LLI01-19NW-0602-SSXX (240-13671-64), LLI01-19NW-0205-SSXX (240-13671-65), LLI01-28SW-0006-SSXX (240-13671-68), LLI01-28SW-0602-SSXX (240-13671-69), LLI01-28SW-0205-SSXX (240-13671-70), LLI01-28SE-0006-SSXX (240-13671-71), LLI01-28SE-0602-SSXX (240-13671-72), LLI01-28SE-0205-SSXX (240-13671-73), LLI01-28NE-0006-SSXX (240-13671-74), LLI01-28NE-0602-SSXX (240-13671-75), LLI01-28NW-0006-SSXX (240-13671-76), LLI01-28NW-0602-SSXX (240-13671-77), LLI01-28NW-0205-SSXX (240-13671-78), LLI01-27XX-0006-SSXX (240-13671-81), LLI01-27XX-0602-SSXX (240-13671-82), LLI01-27XX-0205-SSXX (240-13671-83), LLI01-20NE-0006-SSXX (240-13671-86), LLI01-20NE-0602-SSXX (240-13671-87), LLI01-20NE-0205-SSXX (240-13671-88), LLI01-20SW-0006-SSXX (240-13671-89), LLI01-20SW-0602-SSXX (240-13671-90), LLI01-20SW-0205-SSXX (240-13671-91), LLI01-20SE-0006-SSXX (240-13671-92), LLI01-20SE-0602-SSXX (240-13671-93), LLI01-20SE-0205-SSXX (240-13671-94), LLI01-21NW-0006-SSXX (240-13671-97), LLI01-21NW-0602-SSXX (240-13671-98), LLI01-21NW-0205-SSXX (240-13671-99), LLI01-21SW-0006-SSXX (240-13671-100), LLI01-21SW-0602-SSXX (240-13671-101), LLI01-21SW-0205-SSXX (240-13671-102), LLI01-DP11-XXXX-SSFD (240-13671-105), LLI01-DP12-XXXX-SSFD (240-13671-106), LLI01-DP13-XXXX-SSFD (240-13671-107), LLI01-DP14-XXXX-SSFD (240-13671-108), LLI01-DP15-XXXX-SSFD (240-13671-109), LLI01-DP16-XXXX-SSFD (240-13671-110), LLI01-DP17-XXXX-SSFD (240-13671-111), LLI01-DP18-XXXX-SSFD (240-13671-112), LLI01-DP19-XXXX-SSFD (240-13671-113) and LLI01-DP20-XXXX-SSFD (240-13671-114) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 08/02/2012.

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

Method Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL NC
9012	Cyanide, Reactive	SW846	TAL BUF
9034	Sulfide, Reactive	SW846	TAL BUF
9045C	pH	SW846	TAL NC
Moisture	Percent Moisture	EPA	TAL NC

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

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

Sample Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-13671-1	LLI01-14SW-0006-SSXX	Solid	07/27/12 07:35	07/31/12 09:30
240-13671-2	LLI01-14SW-0602-SSXX	Solid	07/27/12 07:36	07/31/12 09:30
240-13671-3	LLI01-14SW-0205-SSXX	Solid	07/27/12 07:37	07/31/12 09:30
240-13671-4	LLI01-14NW-0006-SSXX	Solid	07/27/12 07:47	07/31/12 09:30
240-13671-5	LLI01-14NW-0602-SSXX	Solid	07/27/12 07:48	07/31/12 09:30
240-13671-6	LLI01-14NW-0205-SSXX	Solid	07/27/12 07:51	07/31/12 09:30
240-13671-7	LLI01-14SE-0006-SSXX	Solid	07/27/12 07:55	07/31/12 09:30
240-13671-8	LLI01-14SE-0602-SSXX	Solid	07/27/12 07:56	07/31/12 09:30
240-13671-9	LLI01-14SE-0205-SSXX	Solid	07/27/12 07:57	07/31/12 09:30
240-13671-10	LLI01-14NE-0006-SSXX	Solid	07/27/12 08:03	07/31/12 09:30
240-13671-11	LLI01-14NE-0602-SSXX	Solid	07/27/12 08:04	07/31/12 09:30
240-13671-12	LLI01-14NE-0205-SSXX	Solid	07/27/12 08:05	07/31/12 09:30
240-13671-13	LLI01-14XX-0006-SSWC	Solid	07/27/12 08:10	07/31/12 09:30
240-13671-14	LLI01-14XX-0602-SSWC	Solid	07/27/12 08:15	07/31/12 09:30
240-13671-15	LLI01-15NW-0006-SSXX	Solid	07/27/12 08:25	07/31/12 09:30
240-13671-16	LLI01-15NW-0602-SSXX	Solid	07/27/12 08:26	07/31/12 09:30
240-13671-17	LLI01-15NW-0205-SSXX	Solid	07/27/12 08:27	07/31/12 09:30
240-13671-18	LLI01-15SW-0006-SSXX	Solid	07/27/12 08:37	07/31/12 09:30
240-13671-19	LLI01-15SW-0602-SSXX	Solid	07/27/12 08:38	07/31/12 09:30
240-13671-20	LLI01-15SW-0205-SSXX	Solid	07/27/12 08:39	07/31/12 09:30
240-13671-23	LLI01-17SE-0006-SSXX	Solid	07/27/12 09:16	07/31/12 09:30
240-13671-24	LLI01-17SE-0602-SSXX	Solid	07/27/12 09:17	07/31/12 09:30
240-13671-25	LLI01-17NE-0006-SSXX	Solid	07/27/12 09:22	07/31/12 09:30
240-13671-26	LLI01-17NE-0602-SSXX	Solid	07/27/12 09:23	07/31/12 09:30
240-13671-27	LLI01-17SW-0006-SSXX	Solid	07/27/12 09:29	07/31/12 09:30
240-13671-30	LLI01-11NW-0006-SSXX	Solid	07/27/12 10:42	07/31/12 09:30
240-13671-31	LLI01-11NW-0602-SSXX	Solid	07/27/12 10:43	07/31/12 09:30
240-13671-32	LLI01-11NE-0006-SSXX	Solid	07/27/12 10:47	07/31/12 09:30
240-13671-33	LLI01-11NE-0602-SSXX	Solid	07/27/12 10:48	07/31/12 09:30
240-13671-34	LLI01-11NE-0205-SSXX	Solid	07/27/12 10:49	07/31/12 09:30
240-13671-35	LLI01-11SE-0006-SSXX	Solid	07/27/12 10:57	07/31/12 09:30
240-13671-36	LLI01-11SE-0602-SSXX	Solid	07/27/12 10:58	07/31/12 09:30
240-13671-37	LLI01-11SE-0205-SSXX	Solid	07/27/12 10:59	07/31/12 09:30
240-13671-38	LLI01-11SW-0006-SSXX	Solid	07/27/12 11:06	07/31/12 09:30
240-13671-39	LLI01-11SW-0602-SSXX	Solid	07/27/12 11:07	07/31/12 09:30
240-13671-40	LLI01-11SW-0205-SSXX	Solid	07/27/12 11:08	07/31/12 09:30
240-13671-43	LLI01-18SW-0006-SSXX	Solid	07/27/12 11:32	07/31/12 09:30
240-13671-44	LLI01-18SW-0602-SSXX	Solid	07/27/12 11:33	07/31/12 09:30
240-13671-45	LLI01-18SW-0205-SSXX	Solid	07/27/12 11:34	07/31/12 09:30
240-13671-46	LLI01-18NW-0006-SSXX	Solid	07/27/12 11:42	07/31/12 09:30
240-13671-47	LLI01-18NW-0602-SSXX	Solid	07/27/12 11:43	07/31/12 09:30
240-13671-48	LLI01-18NW-0205-SSXX	Solid	07/27/12 11:44	07/31/12 09:30
240-13671-49	LLI01-18SE-0006-SSXX	Solid	07/27/12 11:51	07/31/12 09:30
240-13671-50	LLI01-18SE-0602-SSXX	Solid	07/27/12 11:52	07/31/12 09:30
240-13671-51	LLI01-18SE-0205-SSXX	Solid	07/27/12 11:53	07/31/12 09:30
240-13671-52	LLI01-18NE-0006-SSXX	Solid	07/27/12 12:01	07/31/12 09:30
240-13671-53	LLI01-18NE-0602-SSXX	Solid	07/27/12 12:02	07/31/12 09:30
240-13671-54	LLI01-18NE-0205-SSXX	Solid	07/27/12 12:03	07/31/12 09:30
240-13671-57	LLI01-19SW-0006-SSXX	Solid	07/27/12 13:49	07/31/12 09:30
240-13671-58	LLI01-19SW-0602-SSXX	Solid	07/27/12 13:50	07/31/12 09:30
240-13671-59	LLI01-19SW-0205-SSXX	Solid	07/27/12 13:51	07/31/12 09:30
240-13671-60	LLI01-19SE-0006-SSXX	Solid	07/27/12 13:57	07/31/12 09:30
240-13671-61	LLI01-19SE-0602-SSXX	Solid	07/27/12 13:58	07/31/12 09:30
240-13671-62	LLI01-19SE-0205-SSXX	Solid	07/27/12 13:59	07/31/12 09:30

Sample Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-13671-63	LLI01-19NW-0006-SSXX	Solid	07/27/12 14:05	07/31/12 09:30
240-13671-64	LLI01-19NW-0602-SSXX	Solid	07/27/12 14:06	07/31/12 09:30
240-13671-65	LLI01-19NW-0205-SSXX	Solid	07/27/12 14:07	07/31/12 09:30
240-13671-68	LLI01-28SW-0006-SSXX	Solid	07/27/12 14:26	07/31/12 09:30
240-13671-69	LLI01-28SW-0602-SSXX	Solid	07/27/12 14:27	07/31/12 09:30
240-13671-70	LLI01-28SW-0205-SSXX	Solid	07/27/12 14:28	07/31/12 09:30
240-13671-71	LLI01-28SE-0006-SSXX	Solid	07/27/12 14:34	07/31/12 09:30
240-13671-72	LLI01-28SE-0602-SSXX	Solid	07/27/12 14:35	07/31/12 09:30
240-13671-73	LLI01-28SE-0205-SSXX	Solid	07/27/12 14:36	07/31/12 09:30
240-13671-74	LLI01-28NE-0006-SSXX	Solid	07/27/12 14:42	07/31/12 09:30
240-13671-75	LLI01-28NE-0602-SSXX	Solid	07/27/12 14:43	07/31/12 09:30
240-13671-76	LLI01-28NW-0006-SSXX	Solid	07/27/12 14:46	07/31/12 09:30
240-13671-77	LLI01-28NW-0602-SSXX	Solid	07/27/12 14:47	07/31/12 09:30
240-13671-78	LLI01-28NW-0205-SSXX	Solid	07/27/12 14:48	07/31/12 09:30
240-13671-81	LLI01-27XX-0006-SSXX	Solid	07/27/12 15:06	07/31/12 09:30
240-13671-82	LLI01-27XX-0602-SSXX	Solid	07/27/12 15:10	07/31/12 09:30
240-13671-83	LLI01-27XX-0205-SSXX	Solid	07/27/12 15:11	07/31/12 09:30
240-13671-86	LLI01-20NE-0006-SSXX	Solid	07/27/12 15:33	07/31/12 09:30
240-13671-87	LLI01-20NE-0602-SSXX	Solid	07/27/12 15:34	07/31/12 09:30
240-13671-88	LLI01-20NE-0205-SSXX	Solid	07/27/12 15:35	07/31/12 09:30
240-13671-89	LLI01-20SW-0006-SSXX	Solid	07/27/12 15:40	07/31/12 09:30
240-13671-90	LLI01-20SW-0602-SSXX	Solid	07/27/12 15:41	07/31/12 09:30
240-13671-91	LLI01-20SW-0205-SSXX	Solid	07/27/12 15:44	07/31/12 09:30
240-13671-92	LLI01-20SE-0006-SSXX	Solid	07/27/12 15:47	07/31/12 09:30
240-13671-93	LLI01-20SE-0602-SSXX	Solid	07/27/12 15:48	07/31/12 09:30
240-13671-94	LLI01-20SE-0205-SSXX	Solid	07/27/12 15:49	07/31/12 09:30
240-13671-97	LLI01-21NW-0006-SSXX	Solid	07/27/12 16:07	07/31/12 09:30
240-13671-98	LLI01-21NW-0602-SSXX	Solid	07/27/12 16:08	07/31/12 09:30
240-13671-99	LLI01-21NW-0205-SSXX	Solid	07/27/12 16:09	07/31/12 09:30
240-13671-100	LLI01-21SW-0006-SSXX	Solid	07/27/12 16:18	07/31/12 09:30
240-13671-101	LLI01-21SW-0602-SSXX	Solid	07/27/12 16:19	07/31/12 09:30
240-13671-102	LLI01-21SW-0205-SSXX	Solid	07/27/12 16:20	07/31/12 09:30
240-13671-105	LLI01-DP11-XXXX-SSFD	Solid	07/27/12 00:00	07/31/12 09:30
240-13671-106	LLI01-DP12-XXXX-SSFD	Solid	07/27/12 00:00	07/31/12 09:30
240-13671-107	LLI01-DP13-XXXX-SSFD	Solid	07/27/12 00:00	07/31/12 09:30
240-13671-108	LLI01-DP14-XXXX-SSFD	Solid	07/27/12 00:00	07/31/12 09:30
240-13671-109	LLI01-DP15-XXXX-SSFD	Solid	07/27/12 00:00	07/31/12 09:30
240-13671-110	LLI01-DP16-XXXX-SSFD	Solid	07/27/12 00:00	07/31/12 09:30
240-13671-111	LLI01-DP17-XXXX-SSFD	Solid	07/27/12 00:00	07/31/12 09:30
240-13671-112	LLI01-DP18-XXXX-SSFD	Solid	07/27/12 00:00	07/31/12 09:30
240-13671-113	LLI01-DP19-XXXX-SSFD	Solid	07/27/12 00:00	07/31/12 09:30
240-13671-114	LLI01-DP20-XXXX-SSFD	Solid	07/27/12 00:00	07/31/12 09:30

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-14SW-0006-SSXX

Lab Sample ID: 240-13671-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	550	J	1100	430	ug/Kg	1	☼	6010B	Total/NA
Arsenic	13000		1100	330	ug/Kg	1	☼	6010B	Total/NA
Copper	2100000		2800	810	ug/Kg	1	☼	6010B	Total/NA
Iron	14000000		11000	5400	ug/Kg	1	☼	6010B	Total/NA
Lead	96000		330	210	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-14SW-0602-SSXX

Lab Sample ID: 240-13671-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	7900		1100	330	ug/Kg	1	☼	6010B	Total/NA
Copper	480000		2800	820	ug/Kg	1	☼	6010B	Total/NA
Iron	9300000		11000	5500	ug/Kg	1	☼	6010B	Total/NA
Lead	11000		330	210	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-14SW-0205-SSXX

Lab Sample ID: 240-13671-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	6800		1100	340	ug/Kg	1	☼	6010B	Total/NA
Copper	22000		2800	840	ug/Kg	1	☼	6010B	Total/NA
Iron	11000000		11000	5600	ug/Kg	1	☼	6010B	Total/NA
Lead	2700		340	220	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-14NW-0006-SSXX

Lab Sample ID: 240-13671-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	850	J	1400	550	ug/Kg	1	☼	6010B	Total/NA
Arsenic	13000		1400	420	ug/Kg	1	☼	6010B	Total/NA
Copper	1900000		3500	1000	ug/Kg	1	☼	6010B	Total/NA
Iron	16000000		14000	6800	ug/Kg	1	☼	6010B	Total/NA
Lead	74000		420	270	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-14NW-0602-SSXX

Lab Sample ID: 240-13671-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	5800		1100	340	ug/Kg	1	☼	6010B	Total/NA
Copper	99000		2800	830	ug/Kg	1	☼	6010B	Total/NA
Iron	8200000		11000	5500	ug/Kg	1	☼	6010B	Total/NA
Lead	13000		340	210	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-14NW-0205-SSXX

Lab Sample ID: 240-13671-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2400		1100	340	ug/Kg	1	☼	6010B	Total/NA
Copper	13000		2800	840	ug/Kg	1	☼	6010B	Total/NA
Iron	3100000	B	11000	5600	ug/Kg	1	☼	6010B	Total/NA
Lead	3900		340	220	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-14SE-0006-SSXX

Lab Sample ID: 240-13671-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	550	J	1100	420	ug/Kg	1	☼	6010B	Total/NA
Arsenic	13000		1100	320	ug/Kg	1	☼	6010B	Total/NA
Copper	4000000		2700	790	ug/Kg	1	☼	6010B	Total/NA

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-14SE-0006-SSXX (Continued)

Lab Sample ID: 240-13671-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	13000000	B	11000	5200	ug/Kg	1	✱	6010B	Total/NA
Lead	48000		320	200	ug/Kg	1	✱	6010B	Total/NA

Client Sample ID: LLI01-14SE-0602-SSXX

Lab Sample ID: 240-13671-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	710	J	1100	430	ug/Kg	1	✱	6010B	Total/NA
Arsenic	9500		1100	330	ug/Kg	1	✱	6010B	Total/NA
Copper	6800000		14000	4100	ug/Kg	5	✱	6010B	Total/NA
Iron	13000000	B	11000	5400	ug/Kg	1	✱	6010B	Total/NA
Lead	39000		1600	1000	ug/Kg	5	✱	6010B	Total/NA

Client Sample ID: LLI01-14SE-0205-SSXX

Lab Sample ID: 240-13671-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	450	J	1000	400	ug/Kg	1	✱	6010B	Total/NA
Arsenic	3900		1000	310	ug/Kg	1	✱	6010B	Total/NA
Copper	7300000		13000	3800	ug/Kg	5	✱	6010B	Total/NA
Iron	7700000	B	10000	5000	ug/Kg	1	✱	6010B	Total/NA
Lead	5300		1500	980	ug/Kg	5	✱	6010B	Total/NA

Client Sample ID: LLI01-14NE-0006-SSXX

Lab Sample ID: 240-13671-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	740	J	930	360	ug/Kg	1	✱	6010B	Total/NA
Arsenic	5200		930	280	ug/Kg	1	✱	6010B	Total/NA
Copper	4200000		2300	690	ug/Kg	1	✱	6010B	Total/NA
Iron	12000000	B	9300	4500	ug/Kg	1	✱	6010B	Total/NA
Lead	90000		1400	880	ug/Kg	5	✱	6010B	Total/NA

Client Sample ID: LLI01-14NE-0602-SSXX

Lab Sample ID: 240-13671-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	530	J	850	330	ug/Kg	1	✱	6010B	Total/NA
Arsenic	7600		850	260	ug/Kg	1	✱	6010B	Total/NA
Copper	5000000		11000	3200	ug/Kg	5	✱	6010B	Total/NA
Iron	9200000	B	8500	4200	ug/Kg	1	✱	6010B	Total/NA
Lead	11000		1300	810	ug/Kg	5	✱	6010B	Total/NA

Client Sample ID: LLI01-14NE-0205-SSXX

Lab Sample ID: 240-13671-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	1600		830	250	ug/Kg	1	✱	6010B	Total/NA
Copper	140000		2100	620	ug/Kg	1	✱	6010B	Total/NA
Iron	6500000	B	8300	4100	ug/Kg	1	✱	6010B	Total/NA
Lead	4600		250	160	ug/Kg	1	✱	6010B	Total/NA

Client Sample ID: LLI01-14XX-0006-SSWC

Lab Sample ID: 240-13671-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfide, Reactive	6.0	J B	10	0.57	mg/Kg	1		9034	Total/NA
pH	7.07		0.100	0.100	SU	1		9045C	Total/NA

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-14XX-0602-SSWC

Lab Sample ID: 240-13671-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfide, Reactive	4.0	J B	10	0.57	mg/Kg	1		9034	Total/NA
pH	7.82		0.100	0.100	SU	1		9045C	Total/NA

Client Sample ID: LLI01-15NW-0006-SSXX

Lab Sample ID: 240-13671-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	820	J	1100	450	ug/Kg	1	✱	6010B	Total/NA
Arsenic	31000		1100	340	ug/Kg	1	✱	6010B	Total/NA
Copper	2900000		2900	850	ug/Kg	1	✱	6010B	Total/NA
Iron	21000000	B	11000	5600	ug/Kg	1	✱	6010B	Total/NA
Lead	55000		340	220	ug/Kg	1	✱	6010B	Total/NA

Client Sample ID: LLI01-15NW-0602-SSXX

Lab Sample ID: 240-13671-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	1900		960	290	ug/Kg	1	✱	6010B	Total/NA
Copper	1100000		2400	710	ug/Kg	1	✱	6010B	Total/NA
Iron	6500000	B	9600	4700	ug/Kg	1	✱	6010B	Total/NA
Lead	9500		290	180	ug/Kg	1	✱	6010B	Total/NA

Client Sample ID: LLI01-15NW-0205-SSXX

Lab Sample ID: 240-13671-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4100		1000	300	ug/Kg	1	✱	6010B	Total/NA
Copper	1500000		2500	750	ug/Kg	1	✱	6010B	Total/NA
Iron	5100000	B	10000	4900	ug/Kg	1	✱	6010B	Total/NA
Lead	19000		300	190	ug/Kg	1	✱	6010B	Total/NA

Client Sample ID: LLI01-15SW-0006-SSXX

Lab Sample ID: 240-13671-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	13000		950	290	ug/Kg	1	✱	6010B	Total/NA
Copper	4400000		2400	710	ug/Kg	1	✱	6010B	Total/NA
Iron	17000000	B	9500	4700	ug/Kg	1	✱	6010B	Total/NA
Lead	46000		290	180	ug/Kg	1	✱	6010B	Total/NA

Client Sample ID: LLI01-15SW-0602-SSXX

Lab Sample ID: 240-13671-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	2300		970	380	ug/Kg	1	✱	6010B	Total/NA
Arsenic	9000		970	290	ug/Kg	1	✱	6010B	Total/NA
Copper	4500000		24000	7200	ug/Kg	10	✱	6010B	Total/NA
Iron	22000000	B	9700	4800	ug/Kg	1	✱	6010B	Total/NA
Lead	16000		2900	1800	ug/Kg	10	✱	6010B	Total/NA

Client Sample ID: LLI01-15SW-0205-SSXX

Lab Sample ID: 240-13671-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2000		980	290	ug/Kg	1	✱	6010B	Total/NA
Copper	4700000		2500	730	ug/Kg	1	✱	6010B	Total/NA
Iron	5000000	B	9800	4800	ug/Kg	1	✱	6010B	Total/NA
Lead	2300		290	190	ug/Kg	1	✱	6010B	Total/NA

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-17SE-0006-SSXX

Lab Sample ID: 240-13671-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Antimony	5600		5500	2100	ug/Kg	5		☆	6010B	Total/NA
Arsenic	25000		5500	1600	ug/Kg	5		☆	6010B	Total/NA
Copper	350000		2700	810	ug/Kg	1		☆	6010B	Total/NA
Iron	180000000	B	55000	27000	ug/Kg	5		☆	6010B	Total/NA
Lead	62000		1600	1000	ug/Kg	5		☆	6010B	Total/NA

Client Sample ID: LLI01-17SE-0602-SSXX

Lab Sample ID: 240-13671-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Arsenic	10000		990	300	ug/Kg	1		☆	6010B	Total/NA
Copper	12000		2500	740	ug/Kg	1		☆	6010B	Total/NA
Iron	21000000	B	9900	4900	ug/Kg	1		☆	6010B	Total/NA
Lead	6100		300	190	ug/Kg	1		☆	6010B	Total/NA

Client Sample ID: LLI01-17NE-0006-SSXX

Lab Sample ID: 240-13671-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Arsenic	7500		980	290	ug/Kg	1		☆	6010B	Total/NA
Copper	460000		2400	720	ug/Kg	1		☆	6010B	Total/NA
Iron	11000000	B	9800	4800	ug/Kg	1		☆	6010B	Total/NA
Lead	74000		290	190	ug/Kg	1		☆	6010B	Total/NA

Client Sample ID: LLI01-17NE-0602-SSXX

Lab Sample ID: 240-13671-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Arsenic	6800		1000	310	ug/Kg	1		☆	6010B	Total/NA
Copper	220000		2600	770	ug/Kg	1		☆	6010B	Total/NA
Iron	11000000	B	10000	5100	ug/Kg	1		☆	6010B	Total/NA
Lead	17000		310	200	ug/Kg	1		☆	6010B	Total/NA

Client Sample ID: LLI01-17SW-0006-SSXX

Lab Sample ID: 240-13671-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Antimony	490	J	1100	430	ug/Kg	1		☆	6010B	Total/NA
Arsenic	21000		1100	330	ug/Kg	1		☆	6010B	Total/NA
Copper	220000		2800	820	ug/Kg	1		☆	6010B	Total/NA
Iron	16000000	B	11000	5500	ug/Kg	1		☆	6010B	Total/NA
Lead	12000		330	210	ug/Kg	1		☆	6010B	Total/NA

Client Sample ID: LLI01-11NW-0006-SSXX

Lab Sample ID: 240-13671-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Antimony	1500		990	390	ug/Kg	1		☆	6010B	Total/NA
Arsenic	14000		990	300	ug/Kg	1		☆	6010B	Total/NA
Copper	730000		2500	730	ug/Kg	1		☆	6010B	Total/NA
Iron	23000000	B	9900	4800	ug/Kg	1		☆	6010B	Total/NA
Lead	72000		300	190	ug/Kg	1		☆	6010B	Total/NA

Client Sample ID: LLI01-11NW-0602-SSXX

Lab Sample ID: 240-13671-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Arsenic	5300		1200	350	ug/Kg	1		☆	6010B	Total/NA
Copper	180000		2900	870	ug/Kg	1		☆	6010B	Total/NA

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-11NW-0602-SSXX (Continued)

Lab Sample ID: 240-13671-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	13000000	B	12000	5700	ug/Kg	1	✱	6010B	Total/NA
Lead	10000		350	220	ug/Kg	1	✱	6010B	Total/NA

Client Sample ID: LLI01-11NE-0006-SSXX

Lab Sample ID: 240-13671-32

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	730	J	1100	430	ug/Kg	1	✱	6010B	Total/NA
Arsenic	12000		1100	330	ug/Kg	1	✱	6010B	Total/NA
Copper	130000		2800	820	ug/Kg	1	✱	6010B	Total/NA
Iron	24000000		11000	5400	ug/Kg	1	✱	6010B	Total/NA
Lead	100000	B	330	210	ug/Kg	1	✱	6010B	Total/NA

Client Sample ID: LLI01-11NE-0602-SSXX

Lab Sample ID: 240-13671-33

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	8200		1200	350	ug/Kg	1	✱	6010B	Total/NA
Copper	90000		3000	870	ug/Kg	1	✱	6010B	Total/NA
Iron	2500000		12000	5800	ug/Kg	1	✱	6010B	Total/NA
Lead	12000	B	350	220	ug/Kg	1	✱	6010B	Total/NA

Client Sample ID: LLI01-11NE-0205-SSXX

Lab Sample ID: 240-13671-34

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	16000		1200	370	ug/Kg	1	✱	6010B	Total/NA
Copper	250000		3100	920	ug/Kg	1	✱	6010B	Total/NA
Iron	3900000		12000	6100	ug/Kg	1	✱	6010B	Total/NA
Lead	23000	B	370	240	ug/Kg	1	✱	6010B	Total/NA

Client Sample ID: LLI01-11SE-0006-SSXX

Lab Sample ID: 240-13671-35

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	1700		900	350	ug/Kg	1	✱	6010B	Total/NA
Arsenic	10000		900	270	ug/Kg	1	✱	6010B	Total/NA
Copper	420000		2200	660	ug/Kg	1	✱	6010B	Total/NA
Iron	9700000		9000	4400	ug/Kg	1	✱	6010B	Total/NA
Lead	66000	B	270	170	ug/Kg	1	✱	6010B	Total/NA

Client Sample ID: LLI01-11SE-0602-SSXX

Lab Sample ID: 240-13671-36

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	700	J	940	370	ug/Kg	1	✱	6010B	Total/NA
Arsenic	19000		940	280	ug/Kg	1	✱	6010B	Total/NA
Copper	280000		2300	690	ug/Kg	1	✱	6010B	Total/NA
Iron	17000000		9400	4600	ug/Kg	1	✱	6010B	Total/NA
Lead	39000	B	280	180	ug/Kg	1	✱	6010B	Total/NA

Client Sample ID: LLI01-11SE-0205-SSXX

Lab Sample ID: 240-13671-37

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	450	J	940	280	ug/Kg	1	✱	6010B	Total/NA
Copper	10000		2400	700	ug/Kg	1	✱	6010B	Total/NA
Iron	1100000		9400	4600	ug/Kg	1	✱	6010B	Total/NA
Lead	1200	B	280	180	ug/Kg	1	✱	6010B	Total/NA

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-11SW-0006-SSXX

Lab Sample ID: 240-13671-38

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	3200	J	5700	2200	ug/Kg	5	✱	6010B	Total/NA
Arsenic	20000		5700	1700	ug/Kg	5	✱	6010B	Total/NA
Copper	2100000		2800	840	ug/Kg	1	✱	6010B	Total/NA
Iron	110000000		57000	28000	ug/Kg	5	✱	6010B	Total/NA
Lead	46000	B	1700	1100	ug/Kg	5	✱	6010B	Total/NA

Client Sample ID: LLI01-11SW-0602-SSXX

Lab Sample ID: 240-13671-39

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	32000		1000	310	ug/Kg	1	✱	6010B	Total/NA
Copper	42000		2600	770	ug/Kg	1	✱	6010B	Total/NA
Iron	17000000		10000	5100	ug/Kg	1	✱	6010B	Total/NA
Lead	15000	B	310	200	ug/Kg	1	✱	6010B	Total/NA

Client Sample ID: LLI01-11SW-0205-SSXX

Lab Sample ID: 240-13671-40

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	850	J	1000	310	ug/Kg	1	✱	6010B	Total/NA
Copper	2100	J	2600	770	ug/Kg	1	✱	6010B	Total/NA
Iron	1600000		10000	5100	ug/Kg	1	✱	6010B	Total/NA
Lead	1000	B	310	200	ug/Kg	1	✱	6010B	Total/NA

Client Sample ID: LLI01-18SW-0006-SSXX

Lab Sample ID: 240-13671-43

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	9200		910	270	ug/Kg	1	✱	6010B	Total/NA
Copper	660000		2300	680	ug/Kg	1	✱	6010B	Total/NA
Iron	15000000		9100	4500	ug/Kg	1	✱	6010B	Total/NA
Lead	41000	B	270	170	ug/Kg	1	✱	6010B	Total/NA

Client Sample ID: LLI01-18SW-0602-SSXX

Lab Sample ID: 240-13671-44

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4000		960	290	ug/Kg	1	✱	6010B	Total/NA
Copper	370000		2400	710	ug/Kg	1	✱	6010B	Total/NA
Iron	12000000		9600	4700	ug/Kg	1	✱	6010B	Total/NA
Lead	22000	B	290	180	ug/Kg	1	✱	6010B	Total/NA

Client Sample ID: LLI01-18SW-0205-SSXX

Lab Sample ID: 240-13671-45

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2400		1000	300	ug/Kg	1	✱	6010B	Total/NA
Copper	100000		2500	740	ug/Kg	1	✱	6010B	Total/NA
Iron	13000000		10000	4900	ug/Kg	1	✱	6010B	Total/NA
Lead	5300	B	300	190	ug/Kg	1	✱	6010B	Total/NA

Client Sample ID: LLI01-18NW-0006-SSXX

Lab Sample ID: 240-13671-46

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	450	J	1000	390	ug/Kg	1	✱	6010B	Total/NA
Arsenic	3300		1000	300	ug/Kg	1	✱	6010B	Total/NA
Copper	3700000		2500	740	ug/Kg	1	✱	6010B	Total/NA
Iron	9300000		10000	4900	ug/Kg	1	✱	6010B	Total/NA

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-18NW-0006-SSXX (Continued)

Lab Sample ID: 240-13671-46

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	33000	B	300	190	ug/Kg	1	✱	6010B	Total/NA

Client Sample ID: LLI01-18NW-0602-SSXX

Lab Sample ID: 240-13671-47

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4600		1000	310	ug/Kg	1	✱	6010B	Total/NA
Copper	1900000		2600	780	ug/Kg	1	✱	6010B	Total/NA
Iron	9800000		10000	5100	ug/Kg	1	✱	6010B	Total/NA
Lead	42000	B	310	200	ug/Kg	1	✱	6010B	Total/NA

Client Sample ID: LLI01-18NW-0205-SSXX

Lab Sample ID: 240-13671-48

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2900		990	300	ug/Kg	1	✱	6010B	Total/NA
Copper	4100000		2500	740	ug/Kg	1	✱	6010B	Total/NA
Iron	6600000		9900	4900	ug/Kg	1	✱	6010B	Total/NA
Lead	9600	B	300	190	ug/Kg	1	✱	6010B	Total/NA

Client Sample ID: LLI01-18SE-0006-SSXX

Lab Sample ID: 240-13671-49

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	14000		1100	330	ug/Kg	1	✱	6010B	Total/NA
Copper	530000		2700	810	ug/Kg	1	✱	6010B	Total/NA
Iron	13000000		11000	5300	ug/Kg	1	✱	6010B	Total/NA
Lead	64000	B	330	210	ug/Kg	1	✱	6010B	Total/NA

Client Sample ID: LLI01-18SE-0602-SSXX

Lab Sample ID: 240-13671-50

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	2000		980	380	ug/Kg	1	✱	6010B	Total/NA
Arsenic	11000		980	290	ug/Kg	1	✱	6010B	Total/NA
Copper	390000		2400	720	ug/Kg	1	✱	6010B	Total/NA
Iron	11000000		9800	4800	ug/Kg	1	✱	6010B	Total/NA
Lead	89000	B	290	190	ug/Kg	1	✱	6010B	Total/NA

Client Sample ID: LLI01-18SE-0205-SSXX

Lab Sample ID: 240-13671-51

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	1800		800	310	ug/Kg	1	✱	6010B	Total/NA
Arsenic	6200		800	240	ug/Kg	1	✱	6010B	Total/NA
Copper	6700000		10000	3000	ug/Kg	5	✱	6010B	Total/NA
Iron	10000000		8000	3900	ug/Kg	1	✱	6010B	Total/NA
Lead	56000	B	1200	760	ug/Kg	5	✱	6010B	Total/NA

Client Sample ID: LLI01-18NE-0006-SSXX

Lab Sample ID: 240-13671-52

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	670	J	920	360	ug/Kg	1	✱	6010B	Total/NA
Arsenic	6300		920	280	ug/Kg	1	✱	6010B	Total/NA
Copper	1400000		2300	680	ug/Kg	1	✱	6010B	Total/NA
Iron	12000000		9200	4500	ug/Kg	1	✱	6010B	Total/NA
Lead	24000	B	1400	880	ug/Kg	5	✱	6010B	Total/NA

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-18NE-0602-SSXX

Lab Sample ID: 240-13671-53

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	420	J	940	370	ug/Kg	1	☼	6010B	Total/NA
Arsenic	6700		940	280	ug/Kg	1	☼	6010B	Total/NA
Copper	760000		2400	700	ug/Kg	1	☼	6010B	Total/NA
Iron	16000000		9400	4600	ug/Kg	1	☼	6010B	Total/NA
Lead	25000	B	280	180	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-18NE-0205-SSXX

Lab Sample ID: 240-13671-54

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	470	J	940	370	ug/Kg	1	☼	6010B	Total/NA
Arsenic	7000		940	280	ug/Kg	1	☼	6010B	Total/NA
Copper	830000		2300	690	ug/Kg	1	☼	6010B	Total/NA
Iron	12000000		9400	4600	ug/Kg	1	☼	6010B	Total/NA
Lead	28000		280	180	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-19SW-0006-SSXX

Lab Sample ID: 240-13671-57

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	1000		1000	400	ug/Kg	1	☼	6010B	Total/NA
Arsenic	12000		1000	310	ug/Kg	1	☼	6010B	Total/NA
Copper	430000		2600	770	ug/Kg	1	☼	6010B	Total/NA
Iron	14000000		10000	5100	ug/Kg	1	☼	6010B	Total/NA
Lead	71000		310	200	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-19SW-0602-SSXX

Lab Sample ID: 240-13671-58

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	1700		950	280	ug/Kg	1	☼	6010B	Total/NA
Copper	110000		2400	700	ug/Kg	1	☼	6010B	Total/NA
Iron	2500000		9500	4600	ug/Kg	1	☼	6010B	Total/NA
Lead	6500		280	180	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-19SW-0205-SSXX

Lab Sample ID: 240-13671-59

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	3600	J	4600	1800	ug/Kg	5	☼	6010B	Total/NA
Arsenic	8000		4600	1400	ug/Kg	5	☼	6010B	Total/NA
Copper	1700000		2300	680	ug/Kg	1	☼	6010B	Total/NA
Iron	68000000		46000	22000	ug/Kg	5	☼	6010B	Total/NA
Lead	46000		1400	870	ug/Kg	5	☼	6010B	Total/NA

Client Sample ID: LLI01-19SE-0006-SSXX

Lab Sample ID: 240-13671-60

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	1500		1000	410	ug/Kg	1	☼	6010B	Total/NA
Arsenic	20000		1000	310	ug/Kg	1	☼	6010B	Total/NA
Copper	2000000		2600	770	ug/Kg	1	☼	6010B	Total/NA
Iron	40000000		10000	5100	ug/Kg	1	☼	6010B	Total/NA
Lead	690000		310	200	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-19SE-0602-SSXX

Lab Sample ID: 240-13671-61

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-19SE-0602-SSXX (Continued)

Lab Sample ID: 240-13671-61

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	380	J	740	290	ug/Kg	1	☼	6010B	Total/NA
Arsenic	12000		740	220	ug/Kg	1	☼	6010B	Total/NA
Copper	170000		1900	550	ug/Kg	1	☼	6010B	Total/NA
Iron	10000000		7400	3600	ug/Kg	1	☼	6010B	Total/NA
Lead	96000		1100	700	ug/Kg	5	☼	6010B	Total/NA

Client Sample ID: LLI01-19SE-0205-SSXX

Lab Sample ID: 240-13671-62

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	65000		1500	450	ug/Kg	1	☼	6010B	Total/NA
Copper	1200000		3700	1100	ug/Kg	1	☼	6010B	Total/NA
Iron	13000000		15000	7300	ug/Kg	1	☼	6010B	Total/NA
Lead	430000		450	280	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-19NW-0006-SSXX

Lab Sample ID: 240-13671-63

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	7400		900	270	ug/Kg	1	☼	6010B	Total/NA
Copper	720000		2200	660	ug/Kg	1	☼	6010B	Total/NA
Iron	15000000		9000	4400	ug/Kg	1	☼	6010B	Total/NA
Lead	25000		270	170	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-19NW-0602-SSXX

Lab Sample ID: 240-13671-64

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4800		940	280	ug/Kg	1	☼	6010B	Total/NA
Copper	940000		2300	690	ug/Kg	1	☼	6010B	Total/NA
Iron	7700000		9400	4600	ug/Kg	1	☼	6010B	Total/NA
Lead	16000		280	180	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-19NW-0205-SSXX

Lab Sample ID: 240-13671-65

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	640	J	1000	390	ug/Kg	1	☼	6010B	Total/NA
Arsenic	2000		1000	300	ug/Kg	1	☼	6010B	Total/NA
Copper	3200000		2500	740	ug/Kg	1	☼	6010B	Total/NA
Iron	15000000		10000	4900	ug/Kg	1	☼	6010B	Total/NA
Lead	3000		1500	950	ug/Kg	5	☼	6010B	Total/NA

Client Sample ID: LLI01-28SW-0006-SSXX

Lab Sample ID: 240-13671-68

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4000		870	260	ug/Kg	1	☼	6010B	Total/NA
Copper	3000000		2200	640	ug/Kg	1	☼	6010B	Total/NA
Iron	8200000		8700	4300	ug/Kg	1	☼	6010B	Total/NA
Lead	12000		260	170	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-28SW-0602-SSXX

Lab Sample ID: 240-13671-69

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	590	J	1000	410	ug/Kg	1	☼	6010B	Total/NA
Arsenic	12000		1000	310	ug/Kg	1	☼	6010B	Total/NA
Copper	11000000		13000	3900	ug/Kg	5	☼	6010B	Total/NA

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-28SW-0602-SSXX (Continued)

Lab Sample ID: 240-13671-69

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	10000000		10000	5100	ug/Kg	1	✱	6010B	Total/NA
Lead	46000		1600	990	ug/Kg	5	✱	6010B	Total/NA

Client Sample ID: LLI01-28SW-0205-SSXX

Lab Sample ID: 240-13671-70

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	14000		1000	310	ug/Kg	1	✱	6010B	Total/NA
Copper	11000000		13000	3900	ug/Kg	5	✱	6010B	Total/NA
Iron	11000000		10000	5100	ug/Kg	1	✱	6010B	Total/NA
Lead	28000		1600	990	ug/Kg	5	✱	6010B	Total/NA

Client Sample ID: LLI01-28SE-0006-SSXX

Lab Sample ID: 240-13671-71

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	1000		1000	390	ug/Kg	1	✱	6010B	Total/NA
Arsenic	25000		1000	300	ug/Kg	1	✱	6010B	Total/NA
Copper	32000000		25000	7400	ug/Kg	10	✱	6010B	Total/NA
Iron	16000000		10000	4900	ug/Kg	1	✱	6010B	Total/NA
Lead	81000		3000	1900	ug/Kg	10	✱	6010B	Total/NA

Client Sample ID: LLI01-28SE-0602-SSXX

Lab Sample ID: 240-13671-72

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4000		960	290	ug/Kg	1	✱	6010B	Total/NA
Copper	1300000		2400	710	ug/Kg	1	✱	6010B	Total/NA
Iron	10000000		9600	4700	ug/Kg	1	✱	6010B	Total/NA
Lead	11000		290	180	ug/Kg	1	✱	6010B	Total/NA

Client Sample ID: LLI01-28SE-0205-SSXX

Lab Sample ID: 240-13671-73

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2300		850	250	ug/Kg	1	✱	6010B	Total/NA
Copper	7200000		11000	3100	ug/Kg	5	✱	6010B	Total/NA
Iron	6500000		8500	4100	ug/Kg	1	✱	6010B	Total/NA
Lead	1600		1300	800	ug/Kg	5	✱	6010B	Total/NA

Client Sample ID: LLI01-28NE-0006-SSXX

Lab Sample ID: 240-13671-74

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	5500		1100	330	ug/Kg	1	✱	6010B	Total/NA
Copper	3000000		2800	810	ug/Kg	1	✱	6010B	Total/NA
Iron	9900000		11000	5400	ug/Kg	1	✱	6010B	Total/NA
Lead	22000		330	210	ug/Kg	1	✱	6010B	Total/NA

Client Sample ID: LLI01-28NE-0602-SSXX

Lab Sample ID: 240-13671-75

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2400		940	280	ug/Kg	1	✱	6010B	Total/NA
Copper	1700000		2300	690	ug/Kg	1	✱	6010B	Total/NA
Iron	14000000		9400	4600	ug/Kg	1	✱	6010B	Total/NA
Lead	18000		280	180	ug/Kg	1	✱	6010B	Total/NA

Client Sample ID: LLI01-28NW-0006-SSXX

Lab Sample ID: 240-13671-76

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2400		940	280	ug/Kg	1	✱	6010B	Total/NA
Copper	1700000		2300	690	ug/Kg	1	✱	6010B	Total/NA
Iron	14000000		9400	4600	ug/Kg	1	✱	6010B	Total/NA
Lead	18000		280	180	ug/Kg	1	✱	6010B	Total/NA

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-28NW-0006-SSXX (Continued)

Lab Sample ID: 240-13671-76

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	1100		1000	390	ug/Kg	1	☼	6010B	Total/NA
Arsenic	2100		1000	300	ug/Kg	1	☼	6010B	Total/NA
Copper	1600000		2500	740	ug/Kg	1	☼	6010B	Total/NA
Iron	23000000		10000	4900	ug/Kg	1	☼	6010B	Total/NA
Lead	81000		1500	960	ug/Kg	5	☼	6010B	Total/NA

Client Sample ID: LLI01-28NW-0602-SSXX

Lab Sample ID: 240-13671-77

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3700		960	290	ug/Kg	1	☼	6010B	Total/NA
Copper	420000		2400	710	ug/Kg	1	☼	6010B	Total/NA
Iron	7300000		9600	4700	ug/Kg	1	☼	6010B	Total/NA
Lead	9100		290	180	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-28NW-0205-SSXX

Lab Sample ID: 240-13671-78

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3800		1200	370	ug/Kg	1	☼	6010B	Total/NA
Copper	230000	B	3000	900	ug/Kg	1	☼	6010B	Total/NA
Iron	8400000		12000	6000	ug/Kg	1	☼	6010B	Total/NA
Lead	21000		370	230	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-27XX-0006-SSXX

Lab Sample ID: 240-13671-81

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	2100		1000	410	ug/Kg	1	☼	6010B	Total/NA
Arsenic	35000		1000	310	ug/Kg	1	☼	6010B	Total/NA
Copper	42000000	B	260000	78000	ug/Kg	100	☼	6010B	Total/NA
Iron	42000000		10000	5100	ug/Kg	1	☼	6010B	Total/NA
Lead	460000		31000	20000	ug/Kg	100	☼	6010B	Total/NA

Client Sample ID: LLI01-27XX-0602-SSXX

Lab Sample ID: 240-13671-82

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4700		1000	310	ug/Kg	1	☼	6010B	Total/NA
Copper	1000000	B	2600	760	ug/Kg	1	☼	6010B	Total/NA
Iron	8200000		10000	5000	ug/Kg	1	☼	6010B	Total/NA
Lead	21000		310	200	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-27XX-0205-SSXX

Lab Sample ID: 240-13671-83

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3300		910	270	ug/Kg	1	☼	6010B	Total/NA
Copper	2300000	B	2300	670	ug/Kg	1	☼	6010B	Total/NA
Iron	10000000		9100	4400	ug/Kg	1	☼	6010B	Total/NA
Lead	14000		270	170	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-20NE-0006-SSXX

Lab Sample ID: 240-13671-86

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	1100		970	380	ug/Kg	1	☼	6010B	Total/NA
Arsenic	3600		970	290	ug/Kg	1	☼	6010B	Total/NA
Copper	2000000	B	2400	720	ug/Kg	1	☼	6010B	Total/NA

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-20NE-0006-SSXX (Continued)

Lab Sample ID: 240-13671-86

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	19000000		9700	4800	ug/Kg	1	✱	6010B	Total/NA
Lead	16000		1500	920	ug/Kg	5	✱	6010B	Total/NA

Client Sample ID: LLI01-20NE-0602-SSXX

Lab Sample ID: 240-13671-87

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	11000		1200	350	ug/Kg	1	✱	6010B	Total/NA
Copper	3700000	B	2900	870	ug/Kg	1	✱	6010B	Total/NA
Iron	13000000		12000	5800	ug/Kg	1	✱	6010B	Total/NA
Lead	17000		350	220	ug/Kg	1	✱	6010B	Total/NA

Client Sample ID: LLI01-20NE-0205-SSXX

Lab Sample ID: 240-13671-88

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	6000		1200	370	ug/Kg	1	✱	6010B	Total/NA
Copper	100000	B	3000	900	ug/Kg	1	✱	6010B	Total/NA
Iron	9800000		12000	6000	ug/Kg	1	✱	6010B	Total/NA
Lead	6500		370	230	ug/Kg	1	✱	6010B	Total/NA

Client Sample ID: LLI01-20SW-0006-SSXX

Lab Sample ID: 240-13671-89

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	5600		950	290	ug/Kg	1	✱	6010B	Total/NA
Copper	150000	B	2400	710	ug/Kg	1	✱	6010B	Total/NA
Iron	7200000		9500	4700	ug/Kg	1	✱	6010B	Total/NA
Lead	9800		290	180	ug/Kg	1	✱	6010B	Total/NA

Client Sample ID: LLI01-20SW-0602-SSXX

Lab Sample ID: 240-13671-90

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	500	J	1100	420	ug/Kg	1	✱	6010B	Total/NA
Arsenic	12000		1100	320	ug/Kg	1	✱	6010B	Total/NA
Copper	130000	B	2700	800	ug/Kg	1	✱	6010B	Total/NA
Iron	26000000		11000	5300	ug/Kg	1	✱	6010B	Total/NA
Lead	19000		320	210	ug/Kg	1	✱	6010B	Total/NA

Client Sample ID: LLI01-20SW-0205-SSXX

Lab Sample ID: 240-13671-91

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	7400		1100	320	ug/Kg	1	✱	6010B	Total/NA
Copper	690000	B	2700	790	ug/Kg	1	✱	6010B	Total/NA
Iron	9700000		11000	5200	ug/Kg	1	✱	6010B	Total/NA
Lead	6400		320	200	ug/Kg	1	✱	6010B	Total/NA

Client Sample ID: LLI01-20SE-0006-SSXX

Lab Sample ID: 240-13671-92

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	1400		920	360	ug/Kg	1	✱	6010B	Total/NA
Arsenic	16000		920	280	ug/Kg	1	✱	6010B	Total/NA
Copper	8000000	B	12000	3400	ug/Kg	5	✱	6010B	Total/NA
Iron	17000000		9200	4500	ug/Kg	1	✱	6010B	Total/NA
Lead	110000		1400	870	ug/Kg	5	✱	6010B	Total/NA

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-20SE-0602-SSXX

Lab Sample ID: 240-13671-93

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	8300		1000	310	ug/Kg	1	☼	6010B	Total/NA
Copper	1100000	B	2600	760	ug/Kg	1	☼	6010B	Total/NA
Iron	16000000		10000	5000	ug/Kg	1	☼	6010B	Total/NA
Lead	40000		310	200	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-20SE-0205-SSXX

Lab Sample ID: 240-13671-94

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4300		1000	310	ug/Kg	1	☼	6010B	Total/NA
Copper	60000	B	2600	780	ug/Kg	1	☼	6010B	Total/NA
Iron	9700000		10000	5100	ug/Kg	1	☼	6010B	Total/NA
Lead	1700		310	200	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-21NW-0006-SSXX

Lab Sample ID: 240-13671-97

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	690	J	1200	450	ug/Kg	1	☼	6010B	Total/NA
Arsenic	16000		1200	350	ug/Kg	1	☼	6010B	Total/NA
Copper	2000000	B	2900	860	ug/Kg	1	☼	6010B	Total/NA
Iron	6100000		12000	5700	ug/Kg	1	☼	6010B	Total/NA
Lead	30000		350	220	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-21NW-0602-SSXX

Lab Sample ID: 240-13671-98

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	8400		1000	300	ug/Kg	1	☼	6010B	Total/NA
Copper	3400000	B	2500	740	ug/Kg	1	☼	6010B	Total/NA
Iron	14000000		10000	4900	ug/Kg	1	☼	6010B	Total/NA
Lead	34000		300	190	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-21NW-0205-SSXX

Lab Sample ID: 240-13671-99

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	7000		1100	330	ug/Kg	1	☼	6010B	Total/NA
Copper	520000	B	2700	810	ug/Kg	1	☼	6010B	Total/NA
Iron	11000000		11000	5400	ug/Kg	1	☼	6010B	Total/NA
Lead	21000		330	210	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-21SW-0006-SSXX

Lab Sample ID: 240-13671-100

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	2600		1100	430	ug/Kg	1	☼	6010B	Total/NA
Arsenic	19000		1100	330	ug/Kg	1	☼	6010B	Total/NA
Copper	1100000	B	2700	810	ug/Kg	1	☼	6010B	Total/NA
Iron	16000000		11000	5300	ug/Kg	1	☼	6010B	Total/NA
Lead	77000		330	210	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-21SW-0602-SSXX

Lab Sample ID: 240-13671-101

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	510	J	850	330	ug/Kg	1	☼	6010B	Total/NA
Arsenic	2000		850	250	ug/Kg	1	☼	6010B	Total/NA
Copper	3300000	B	2100	630	ug/Kg	1	☼	6010B	Total/NA

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-21SW-0602-SSXX (Continued)

Lab Sample ID: 240-13671-101

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	6400000		8500	4200	ug/Kg	1	☼	6010B	Total/NA
Lead	7700		1300	810	ug/Kg	5	☼	6010B	Total/NA

Client Sample ID: LLI01-21SW-0205-SSXX

Lab Sample ID: 240-13671-102

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	510	J	1000	400	ug/Kg	1	☼	6010B	Total/NA
Arsenic	2400		1000	300	ug/Kg	1	☼	6010B	Total/NA
Copper	3700000	B	2500	750	ug/Kg	1	☼	6010B	Total/NA
Iron	9000000		10000	5000	ug/Kg	1	☼	6010B	Total/NA
Lead	52000		300	190	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-DP11-XXXX-SSFD

Lab Sample ID: 240-13671-105

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4100		1200	360	ug/Kg	1	☼	6010B	Total/NA
Copper	590000	B	3000	890	ug/Kg	1	☼	6010B	Total/NA
Iron	6700000		12000	5900	ug/Kg	1	☼	6010B	Total/NA
Lead	9300		360	230	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-DP12-XXXX-SSFD

Lab Sample ID: 240-13671-106

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	1100	B	1000	390	ug/Kg	1	☼	6010B	Total/NA
Arsenic	4600		1000	300	ug/Kg	1	☼	6010B	Total/NA
Copper	3600000		2500	740	ug/Kg	1	☼	6010B	Total/NA
Iron	6700000	B	10000	4900	ug/Kg	1	☼	6010B	Total/NA
Lead	6100		300	190	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-DP13-XXXX-SSFD

Lab Sample ID: 240-13671-107

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	830	J B	1100	410	ug/Kg	1	☼	6010B	Total/NA
Arsenic	2800		1100	320	ug/Kg	1	☼	6010B	Total/NA
Copper	18000		2600	780	ug/Kg	1	☼	6010B	Total/NA
Iron	14000000	B	11000	5200	ug/Kg	1	☼	6010B	Total/NA
Lead	980		320	200	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-DP14-XXXX-SSFD

Lab Sample ID: 240-13671-108

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	880	J B	1200	460	ug/Kg	1	☼	6010B	Total/NA
Arsenic	4700		1200	350	ug/Kg	1	☼	6010B	Total/NA
Copper	92000		3000	870	ug/Kg	1	☼	6010B	Total/NA
Iron	2000000	B	12000	5800	ug/Kg	1	☼	6010B	Total/NA
Lead	7700		350	220	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-DP15-XXXX-SSFD

Lab Sample ID: 240-13671-109

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	1400	B	980	380	ug/Kg	1	☼	6010B	Total/NA
Arsenic	6300		980	300	ug/Kg	1	☼	6010B	Total/NA
Copper	1900000		2500	730	ug/Kg	1	☼	6010B	Total/NA

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-DP15-XXXX-SSFD (Continued)

Lab Sample ID: 240-13671-109

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	14000000	B	9800	4800	ug/Kg	1	✱	6010B	Total/NA
Lead	89000		300	190	ug/Kg	1	✱	6010B	Total/NA

Client Sample ID: LLI01-DP16-XXXX-SSFD

Lab Sample ID: 240-13671-110

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	3000	J B	5000	2000	ug/Kg	5	✱	6010B	Total/NA
Arsenic	11000		5000	1500	ug/Kg	5	✱	6010B	Total/NA
Copper	850000		2500	740	ug/Kg	1	✱	6010B	Total/NA
Iron	63000000	B	50000	25000	ug/Kg	5	✱	6010B	Total/NA
Lead	100000		1500	950	ug/Kg	5	✱	6010B	Total/NA

Client Sample ID: LLI01-DP17-XXXX-SSFD

Lab Sample ID: 240-13671-111

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	1900	B	960	380	ug/Kg	1	✱	6010B	Total/NA
Arsenic	22000		960	290	ug/Kg	1	✱	6010B	Total/NA
Copper	27000000		24000	7100	ug/Kg	10	✱	6010B	Total/NA
Iron	21000000	B	9600	4700	ug/Kg	1	✱	6010B	Total/NA
Lead	63000		2900	1800	ug/Kg	10	✱	6010B	Total/NA

Client Sample ID: LLI01-DP18-XXXX-SSFD

Lab Sample ID: 240-13671-112

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	1100	B	1100	440	ug/Kg	1	✱	6010B	Total/NA
Arsenic	3100		1100	340	ug/Kg	1	✱	6010B	Total/NA
Copper	2400000		2800	840	ug/Kg	1	✱	6010B	Total/NA
Iron	6900000	B	11000	5600	ug/Kg	1	✱	6010B	Total/NA
Lead	6400		340	220	ug/Kg	1	✱	6010B	Total/NA

Client Sample ID: LLI01-DP19-XXXX-SSFD

Lab Sample ID: 240-13671-113

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	750	J B	1200	460	ug/Kg	1	✱	6010B	Total/NA
Arsenic	13000		1200	350	ug/Kg	1	✱	6010B	Total/NA
Copper	8900000		15000	4400	ug/Kg	5	✱	6010B	Total/NA
Iron	13000000	B	12000	5800	ug/Kg	1	✱	6010B	Total/NA
Lead	79000		1800	1100	ug/Kg	5	✱	6010B	Total/NA

Client Sample ID: LLI01-DP20-XXXX-SSFD

Lab Sample ID: 240-13671-114

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	1800	B	980	380	ug/Kg	1	✱	6010B	Total/NA
Arsenic	15000		980	290	ug/Kg	1	✱	6010B	Total/NA
Copper	630000		2400	720	ug/Kg	1	✱	6010B	Total/NA
Iron	13000000	B	9800	4800	ug/Kg	1	✱	6010B	Total/NA
Lead	61000		290	190	ug/Kg	1	✱	6010B	Total/NA

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-14SW-0006-SSXX

Lab Sample ID: 240-13671-1

Date Collected: 07/27/12 07:35

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 86.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	550	J	1100	430	ug/Kg	☼	08/07/12 11:45	08/10/12 04:37	1
Arsenic	13000		1100	330	ug/Kg	☼	08/07/12 11:45	08/10/12 04:37	1
Copper	2100000		2800	810	ug/Kg	☼	08/07/12 11:45	08/10/12 04:37	1
Iron	14000000		11000	5400	ug/Kg	☼	08/07/12 11:45	08/10/12 04:37	1
Lead	96000		330	210	ug/Kg	☼	08/07/12 11:45	08/10/12 04:37	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-14SW-0602-SSXX

Lab Sample ID: 240-13671-2

Date Collected: 07/27/12 07:36

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 84.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1100	U	1100	430	ug/Kg	☼	08/07/12 11:45	08/10/12 04:42	1
Arsenic	7900		1100	330	ug/Kg	☼	08/07/12 11:45	08/10/12 04:42	1
Copper	480000		2800	820	ug/Kg	☼	08/07/12 11:45	08/10/12 04:42	1
Iron	9300000		11000	5500	ug/Kg	☼	08/07/12 11:45	08/10/12 04:42	1
Lead	11000		330	210	ug/Kg	☼	08/07/12 11:45	08/10/12 04:42	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-14SW-0205-SSXX

Lab Sample ID: 240-13671-3

Date Collected: 07/27/12 07:37

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 86.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1100	U	1100	440	ug/Kg	☼	08/07/12 11:45	08/10/12 04:48	1
Arsenic	6800		1100	340	ug/Kg	☼	08/07/12 11:45	08/10/12 04:48	1
Copper	22000		2800	840	ug/Kg	☼	08/07/12 11:45	08/10/12 04:48	1
Iron	11000000		11000	5600	ug/Kg	☼	08/07/12 11:45	08/10/12 04:48	1
Lead	2700		340	220	ug/Kg	☼	08/07/12 11:45	08/10/12 04:48	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-14NW-0006-SSXX

Lab Sample ID: 240-13671-4

Date Collected: 07/27/12 07:47

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 70.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	850	J	1400	550	ug/Kg	☼	08/07/12 11:45	08/10/12 04:54	1
Arsenic	13000		1400	420	ug/Kg	☼	08/07/12 11:45	08/10/12 04:54	1
Copper	1900000		3500	1000	ug/Kg	☼	08/07/12 11:45	08/10/12 04:54	1
Iron	16000000		14000	6800	ug/Kg	☼	08/07/12 11:45	08/10/12 04:54	1
Lead	74000		420	270	ug/Kg	☼	08/07/12 11:45	08/10/12 04:54	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-14NW-0602-SSXX

Lab Sample ID: 240-13671-5

Date Collected: 07/27/12 07:48

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 88.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1100	U	1100	440	ug/Kg	☼	08/07/12 11:45	08/10/12 02:26	1
Arsenic	5800		1100	340	ug/Kg	☼	08/07/12 11:45	08/10/12 02:26	1
Copper	99000		2800	830	ug/Kg	☼	08/07/12 11:45	08/10/12 02:26	1
Iron	8200000		11000	5500	ug/Kg	☼	08/07/12 11:45	08/10/12 02:26	1
Lead	13000		340	210	ug/Kg	☼	08/07/12 11:45	08/10/12 02:26	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-14NW-0205-SSXX

Lab Sample ID: 240-13671-6

Date Collected: 07/27/12 07:51

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 79.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1100	U	1100	440	ug/Kg	☼	08/07/12 12:23	08/10/12 00:04	1
Arsenic	2400		1100	340	ug/Kg	☼	08/07/12 12:23	08/10/12 00:04	1
Copper	13000		2800	840	ug/Kg	☼	08/07/12 12:23	08/10/12 00:04	1
Iron	3100000	B	11000	5600	ug/Kg	☼	08/07/12 12:23	08/10/12 00:04	1
Lead	3900		340	220	ug/Kg	☼	08/07/12 12:23	08/10/12 00:04	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-14SE-0006-SSXX

Lab Sample ID: 240-13671-7

Date Collected: 07/27/12 07:55

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 90.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	550	J	1100	420	ug/Kg	☼	08/07/12 12:23	08/10/12 00:10	1
Arsenic	13000		1100	320	ug/Kg	☼	08/07/12 12:23	08/10/12 00:10	1
Copper	4000000		2700	790	ug/Kg	☼	08/07/12 12:23	08/10/12 00:10	1
Iron	13000000	B	11000	5200	ug/Kg	☼	08/07/12 12:23	08/10/12 00:10	1
Lead	48000		320	200	ug/Kg	☼	08/07/12 12:23	08/10/12 00:10	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-14SE-0602-SSXX

Lab Sample ID: 240-13671-8

Date Collected: 07/27/12 07:56

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 88.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	710	J	1100	430	ug/Kg	☼	08/07/12 12:23	08/10/12 00:15	1
Arsenic	9500		1100	330	ug/Kg	☼	08/07/12 12:23	08/10/12 00:15	1
Copper	6800000		14000	4100	ug/Kg	☼	08/07/12 12:23	08/10/12 15:08	5
Iron	13000000	B	11000	5400	ug/Kg	☼	08/07/12 12:23	08/10/12 00:15	1
Lead	39000		1600	1000	ug/Kg	☼	08/07/12 12:23	08/10/12 15:08	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-14SE-0205-SSXX

Lab Sample ID: 240-13671-9

Date Collected: 07/27/12 07:57

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 94.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	450	J	1000	400	ug/Kg	☼	08/07/12 12:23	08/10/12 00:21	1
Arsenic	3900		1000	310	ug/Kg	☼	08/07/12 12:23	08/10/12 00:21	1
Copper	7300000		13000	3800	ug/Kg	☼	08/07/12 12:23	08/10/12 15:14	5
Iron	7700000	B	10000	5000	ug/Kg	☼	08/07/12 12:23	08/10/12 00:21	1
Lead	5300		1500	980	ug/Kg	☼	08/07/12 12:23	08/10/12 15:14	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-14NE-0006-SSXX

Lab Sample ID: 240-13671-10

Date Collected: 07/27/12 08:03

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 92.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	740	J	930	360	ug/Kg	☼	08/07/12 12:23	08/10/12 00:27	1
Arsenic	5200		930	280	ug/Kg	☼	08/07/12 12:23	08/10/12 00:27	1
Copper	4200000		2300	690	ug/Kg	☼	08/07/12 12:23	08/10/12 00:27	1
Iron	12000000	B	9300	4500	ug/Kg	☼	08/07/12 12:23	08/10/12 00:27	1
Lead	90000		1400	880	ug/Kg	☼	08/07/12 12:23	08/10/12 15:19	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-14NE-0602-SSXX

Lab Sample ID: 240-13671-11

Date Collected: 07/27/12 08:04

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 92.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	530	J	850	330	ug/Kg	☼	08/07/12 12:23	08/10/12 00:32	1
Arsenic	7600		850	260	ug/Kg	☼	08/07/12 12:23	08/10/12 00:32	1
Copper	5000000		11000	3200	ug/Kg	☼	08/07/12 12:23	08/10/12 15:25	5
Iron	9200000	B	8500	4200	ug/Kg	☼	08/07/12 12:23	08/10/12 00:32	1
Lead	11000		1300	810	ug/Kg	☼	08/07/12 12:23	08/10/12 15:25	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-14NE-0205-SSXX

Lab Sample ID: 240-13671-12

Date Collected: 07/27/12 08:05

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 92.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	830	U	830	330	ug/Kg	☼	08/07/12 12:23	08/10/12 00:49	1
Arsenic	1600		830	250	ug/Kg	☼	08/07/12 12:23	08/10/12 00:49	1
Copper	140000		2100	620	ug/Kg	☼	08/07/12 12:23	08/10/12 00:49	1
Iron	6500000	B	8300	4100	ug/Kg	☼	08/07/12 12:23	08/10/12 00:49	1
Lead	4600		250	160	ug/Kg	☼	08/07/12 12:23	08/10/12 00:49	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-14XX-0006-SSWC

Lab Sample ID: 240-13671-13

Date Collected: 07/27/12 08:10

Matrix: Solid

Date Received: 07/31/12 09:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	10	U	10	0.0030	mg/Kg		08/02/12 16:20	08/03/12 01:33	1
Sulfide, Reactive	6.0	J B	10	0.57	mg/Kg		08/02/12 16:20	08/03/12 23:10	1
pH	7.07		0.100	0.100	SU			08/02/12 12:27	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-14XX-0602-SSWC

Lab Sample ID: 240-13671-14

Date Collected: 07/27/12 08:15

Matrix: Solid

Date Received: 07/31/12 09:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	10	U	10	0.0030	mg/Kg		08/02/12 16:20	08/03/12 01:33	1
Sulfide, Reactive	4.0	J B	10	0.57	mg/Kg		08/02/12 16:20	08/03/12 23:10	1
pH	7.82		0.100	0.100	SU			08/02/12 12:39	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-15NW-0006-SSXX

Lab Sample ID: 240-13671-15

Date Collected: 07/27/12 08:25

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 82.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	820	J	1100	450	ug/Kg	☼	08/07/12 12:23	08/10/12 00:55	1
Arsenic	31000		1100	340	ug/Kg	☼	08/07/12 12:23	08/10/12 00:55	1
Copper	2900000		2900	850	ug/Kg	☼	08/07/12 12:23	08/10/12 00:55	1
Iron	21000000	B	11000	5600	ug/Kg	☼	08/07/12 12:23	08/10/12 00:55	1
Lead	55000		340	220	ug/Kg	☼	08/07/12 12:23	08/10/12 00:55	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-15NW-0602-SSXX

Lab Sample ID: 240-13671-16

Date Collected: 07/27/12 08:26

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 88.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	960	U	960	370	ug/Kg	☼	08/07/12 12:23	08/10/12 01:01	1
Arsenic	1900		960	290	ug/Kg	☼	08/07/12 12:23	08/10/12 01:01	1
Copper	1100000		2400	710	ug/Kg	☼	08/07/12 12:23	08/10/12 01:01	1
Iron	6500000	B	9600	4700	ug/Kg	☼	08/07/12 12:23	08/10/12 01:01	1
Lead	9500		290	180	ug/Kg	☼	08/07/12 12:23	08/10/12 01:01	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-15NW-0205-SSXX

Lab Sample ID: 240-13671-17

Date Collected: 07/27/12 08:27

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 76.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1000	U	1000	390	ug/Kg	☼	08/07/12 12:23	08/10/12 01:07	1
Arsenic	4100		1000	300	ug/Kg	☼	08/07/12 12:23	08/10/12 01:07	1
Copper	1500000		2500	750	ug/Kg	☼	08/07/12 12:23	08/10/12 01:07	1
Iron	5100000	B	10000	4900	ug/Kg	☼	08/07/12 12:23	08/10/12 01:07	1
Lead	19000		300	190	ug/Kg	☼	08/07/12 12:23	08/10/12 01:07	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-15SW-0006-SSXX

Lab Sample ID: 240-13671-18

Date Collected: 07/27/12 08:37

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 89.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	950	U	950	370	ug/Kg	☼	08/07/12 12:23	08/10/12 01:12	1
Arsenic	13000		950	290	ug/Kg	☼	08/07/12 12:23	08/10/12 01:12	1
Copper	4400000		2400	710	ug/Kg	☼	08/07/12 12:23	08/10/12 01:12	1
Iron	17000000	B	9500	4700	ug/Kg	☼	08/07/12 12:23	08/10/12 01:12	1
Lead	46000		290	180	ug/Kg	☼	08/07/12 12:23	08/10/12 01:12	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-15SW-0602-SSXX

Lab Sample ID: 240-13671-19

Date Collected: 07/27/12 08:38

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 92.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2300		970	380	ug/Kg	☼	08/07/12 12:23	08/10/12 15:48	1
Arsenic	9000		970	290	ug/Kg	☼	08/07/12 12:23	08/10/12 01:18	1
Copper	45000000		24000	7200	ug/Kg	☼	08/07/12 12:23	08/10/12 15:31	10
Iron	22000000	B	9700	4800	ug/Kg	☼	08/07/12 12:23	08/10/12 01:18	1
Lead	16000		2900	1800	ug/Kg	☼	08/07/12 12:23	08/10/12 15:31	10

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-15SW-0205-SSXX

Lab Sample ID: 240-13671-20

Date Collected: 07/27/12 08:39

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 96.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	980	U	980	380	ug/Kg	☼	08/07/12 12:23	08/09/12 23:41	1
Arsenic	2000		980	290	ug/Kg	☼	08/07/12 12:23	08/09/12 23:41	1
Copper	4700000		2500	730	ug/Kg	☼	08/07/12 12:23	08/09/12 23:41	1
Iron	5000000	B	9800	4800	ug/Kg	☼	08/07/12 12:23	08/09/12 23:41	1
Lead	2300		290	190	ug/Kg	☼	08/07/12 12:23	08/09/12 23:41	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-17SE-0006-SSXX

Lab Sample ID: 240-13671-23

Date Collected: 07/27/12 09:16

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 88.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5600		5500	2100	ug/Kg	☼	08/07/12 12:23	08/10/12 15:53	5
Arsenic	25000		5500	1600	ug/Kg	☼	08/07/12 12:23	08/10/12 15:53	5
Copper	350000		2700	810	ug/Kg	☼	08/07/12 12:23	08/10/12 01:24	1
Iron	180000000	B	55000	27000	ug/Kg	☼	08/07/12 12:23	08/10/12 15:53	5
Lead	62000		1600	1000	ug/Kg	☼	08/07/12 12:23	08/10/12 15:53	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-17SE-0602-SSXX

Lab Sample ID: 240-13671-24

Date Collected: 07/27/12 09:17

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 92.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	990	U	990	390	ug/Kg	☼	08/07/12 12:23	08/10/12 01:29	1
Arsenic	10000		990	300	ug/Kg	☼	08/07/12 12:23	08/10/12 01:29	1
Copper	12000		2500	740	ug/Kg	☼	08/07/12 12:23	08/10/12 01:29	1
Iron	21000000	B	9900	4900	ug/Kg	☼	08/07/12 12:23	08/10/12 01:29	1
Lead	6100		300	190	ug/Kg	☼	08/07/12 12:23	08/10/12 01:29	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-17NE-0006-SSXX

Lab Sample ID: 240-13671-25

Date Collected: 07/27/12 09:22

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 84.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	980	U	980	380	ug/Kg	☼	08/07/12 12:23	08/10/12 01:35	1
Arsenic	7500		980	290	ug/Kg	☼	08/07/12 12:23	08/10/12 01:35	1
Copper	460000		2400	720	ug/Kg	☼	08/07/12 12:23	08/10/12 01:35	1
Iron	11000000	B	9800	4800	ug/Kg	☼	08/07/12 12:23	08/10/12 01:35	1
Lead	74000		290	190	ug/Kg	☼	08/07/12 12:23	08/10/12 01:35	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-17NE-0602-SSXX

Lab Sample ID: 240-13671-26

Date Collected: 07/27/12 09:23

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 85.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1000	U	1000	410	ug/Kg	☼	08/07/12 12:23	08/10/12 01:41	1
Arsenic	6800		1000	310	ug/Kg	☼	08/07/12 12:23	08/10/12 01:41	1
Copper	220000		2600	770	ug/Kg	☼	08/07/12 12:23	08/10/12 01:41	1
Iron	11000000	B	10000	5100	ug/Kg	☼	08/07/12 12:23	08/10/12 01:41	1
Lead	17000		310	200	ug/Kg	☼	08/07/12 12:23	08/10/12 01:41	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-17SW-0006-SSXX

Lab Sample ID: 240-13671-27

Date Collected: 07/27/12 09:29

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 86.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	490	J	1100	430	ug/Kg	☼	08/07/12 12:23	08/10/12 01:58	1
Arsenic	21000		1100	330	ug/Kg	☼	08/07/12 12:23	08/10/12 01:58	1
Copper	220000		2800	820	ug/Kg	☼	08/07/12 12:23	08/10/12 01:58	1
Iron	16000000	B	11000	5500	ug/Kg	☼	08/07/12 12:23	08/10/12 01:58	1
Lead	12000		330	210	ug/Kg	☼	08/07/12 12:23	08/10/12 01:58	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-11NW-0006-SSXX

Lab Sample ID: 240-13671-30

Date Collected: 07/27/12 10:42

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 85.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1500		990	390	ug/Kg	☼	08/07/12 12:23	08/10/12 02:03	1
Arsenic	14000		990	300	ug/Kg	☼	08/07/12 12:23	08/10/12 02:03	1
Copper	730000		2500	730	ug/Kg	☼	08/07/12 12:23	08/10/12 02:03	1
Iron	23000000	B	9900	4800	ug/Kg	☼	08/07/12 12:23	08/10/12 02:03	1
Lead	72000		300	190	ug/Kg	☼	08/07/12 12:23	08/10/12 02:03	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-11NW-0602-SSXX

Lab Sample ID: 240-13671-31

Date Collected: 07/27/12 10:43

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 82.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1200	U	1200	460	ug/Kg	☼	08/07/12 12:23	08/10/12 02:09	1
Arsenic	5300		1200	350	ug/Kg	☼	08/07/12 12:23	08/10/12 02:09	1
Copper	180000		2900	870	ug/Kg	☼	08/07/12 12:23	08/10/12 02:09	1
Iron	13000000	B	12000	5700	ug/Kg	☼	08/07/12 12:23	08/10/12 02:09	1
Lead	10000		350	220	ug/Kg	☼	08/07/12 12:23	08/10/12 02:09	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-11NE-0006-SSXX

Lab Sample ID: 240-13671-32

Date Collected: 07/27/12 10:47

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 85.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	730	J	1100	430	ug/Kg	☼	08/08/12 11:01	08/09/12 15:28	1
Arsenic	12000		1100	330	ug/Kg	☼	08/08/12 11:01	08/09/12 15:28	1
Copper	130000		2800	820	ug/Kg	☼	08/08/12 11:01	08/09/12 15:28	1
Iron	24000000		11000	5400	ug/Kg	☼	08/08/12 11:01	08/09/12 15:28	1
Lead	100000	B	330	210	ug/Kg	☼	08/08/12 11:01	08/09/12 15:28	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-11NE-0602-SSXX

Lab Sample ID: 240-13671-33

Date Collected: 07/27/12 10:48

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 81.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1200	U	1200	460	ug/Kg	☼	08/08/12 11:01	08/09/12 15:45	1
Arsenic	8200		1200	350	ug/Kg	☼	08/08/12 11:01	08/09/12 15:45	1
Copper	90000		3000	870	ug/Kg	☼	08/08/12 11:01	08/09/12 15:45	1
Iron	2500000		12000	5800	ug/Kg	☼	08/08/12 11:01	08/09/12 15:45	1
Lead	12000	B	350	220	ug/Kg	☼	08/08/12 11:01	08/09/12 15:45	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-11NE-0205-SSXX

Lab Sample ID: 240-13671-34

Date Collected: 07/27/12 10:49

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 76.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1200	U	1200	490	ug/Kg	☼	08/08/12 11:01	08/09/12 15:51	1
Arsenic	16000		1200	370	ug/Kg	☼	08/08/12 11:01	08/09/12 15:51	1
Copper	250000		3100	920	ug/Kg	☼	08/08/12 11:01	08/09/12 15:51	1
Iron	3900000		12000	6100	ug/Kg	☼	08/08/12 11:01	08/09/12 15:51	1
Lead	23000	B	370	240	ug/Kg	☼	08/08/12 11:01	08/09/12 15:51	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-11SE-0006-SSXX

Lab Sample ID: 240-13671-35

Date Collected: 07/27/12 10:57

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 90.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1700		900	350	ug/Kg	☼	08/08/12 11:01	08/09/12 15:56	1
Arsenic	10000		900	270	ug/Kg	☼	08/08/12 11:01	08/09/12 15:56	1
Copper	420000		2200	660	ug/Kg	☼	08/08/12 11:01	08/09/12 15:56	1
Iron	9700000		9000	4400	ug/Kg	☼	08/08/12 11:01	08/09/12 15:56	1
Lead	66000	B	270	170	ug/Kg	☼	08/08/12 11:01	08/09/12 15:56	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-11SE-0602-SSXX

Lab Sample ID: 240-13671-36

Date Collected: 07/27/12 10:58

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 89.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	700	J	940	370	ug/Kg	☼	08/08/12 11:01	08/09/12 16:02	1
Arsenic	19000		940	280	ug/Kg	☼	08/08/12 11:01	08/09/12 16:02	1
Copper	280000		2300	690	ug/Kg	☼	08/08/12 11:01	08/09/12 16:02	1
Iron	17000000		9400	4600	ug/Kg	☼	08/08/12 11:01	08/09/12 16:02	1
Lead	39000	B	280	180	ug/Kg	☼	08/08/12 11:01	08/09/12 16:02	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-11SE-0205-SSXX

Lab Sample ID: 240-13671-37

Date Collected: 07/27/12 10:59

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 95.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	940	U	940	370	ug/Kg	☼	08/08/12 11:01	08/09/12 16:08	1
Arsenic	450	J	940	280	ug/Kg	☼	08/08/12 11:01	08/09/12 16:08	1
Copper	10000		2400	700	ug/Kg	☼	08/08/12 11:01	08/09/12 16:08	1
Iron	1100000		9400	4600	ug/Kg	☼	08/08/12 11:01	08/09/12 16:08	1
Lead	1200	B	280	180	ug/Kg	☼	08/08/12 11:01	08/09/12 16:08	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-11SW-0006-SSXX

Lab Sample ID: 240-13671-38

Date Collected: 07/27/12 11:06

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 81.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	3200	J	5700	2200	ug/Kg	☼	08/08/12 11:01	08/10/12 12:29	5
Arsenic	20000		5700	1700	ug/Kg	☼	08/08/12 11:01	08/10/12 12:29	5
Copper	2100000		2800	840	ug/Kg	☼	08/08/12 11:01	08/09/12 16:13	1
Iron	110000000		57000	28000	ug/Kg	☼	08/08/12 11:01	08/10/12 12:29	5
Lead	46000	B	1700	1100	ug/Kg	☼	08/08/12 11:01	08/10/12 12:29	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-11SW-0602-SSXX

Lab Sample ID: 240-13671-39

Date Collected: 07/27/12 11:07

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 92.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1000	U	1000	410	ug/Kg	☼	08/08/12 11:01	08/09/12 16:19	1
Arsenic	32000		1000	310	ug/Kg	☼	08/08/12 11:01	08/09/12 16:19	1
Copper	42000		2600	770	ug/Kg	☼	08/08/12 11:01	08/09/12 16:19	1
Iron	17000000		10000	5100	ug/Kg	☼	08/08/12 11:01	08/09/12 16:19	1
Lead	15000	B	310	200	ug/Kg	☼	08/08/12 11:01	08/09/12 16:19	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-11SW-0205-SSXX

Lab Sample ID: 240-13671-40

Date Collected: 07/27/12 11:08

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 94.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1000	U	1000	410	ug/Kg	☼	08/08/12 11:01	08/09/12 15:05	1
Arsenic	850	J	1000	310	ug/Kg	☼	08/08/12 11:01	08/09/12 15:05	1
Copper	2100	J	2600	770	ug/Kg	☼	08/08/12 11:01	08/09/12 15:05	1
Iron	1600000		10000	5100	ug/Kg	☼	08/08/12 11:01	08/09/12 15:05	1
Lead	1000	B	310	200	ug/Kg	☼	08/08/12 11:01	08/09/12 15:05	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-18SW-0006-SSXX

Lab Sample ID: 240-13671-43

Date Collected: 07/27/12 11:32

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 87.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	910	U	910	360	ug/Kg	☼	08/08/12 11:01	08/09/12 16:25	1
Arsenic	9200		910	270	ug/Kg	☼	08/08/12 11:01	08/09/12 16:25	1
Copper	660000		2300	680	ug/Kg	☼	08/08/12 11:01	08/09/12 16:25	1
Iron	15000000		9100	4500	ug/Kg	☼	08/08/12 11:01	08/09/12 16:25	1
Lead	41000	B	270	170	ug/Kg	☼	08/08/12 11:01	08/09/12 16:25	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-18SW-0602-SSXX

Lab Sample ID: 240-13671-44

Date Collected: 07/27/12 11:33

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 90.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	960	U	960	370	ug/Kg	☼	08/08/12 11:01	08/09/12 16:30	1
Arsenic	4000		960	290	ug/Kg	☼	08/08/12 11:01	08/09/12 16:30	1
Copper	370000		2400	710	ug/Kg	☼	08/08/12 11:01	08/09/12 16:30	1
Iron	12000000		9600	4700	ug/Kg	☼	08/08/12 11:01	08/09/12 16:30	1
Lead	22000	B	290	180	ug/Kg	☼	08/08/12 11:01	08/09/12 16:30	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-18SW-0205-SSXX

Lab Sample ID: 240-13671-45

Date Collected: 07/27/12 11:34

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 86.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1000	U	1000	390	ug/Kg	☼	08/08/12 11:01	08/09/12 16:36	1
Arsenic	2400		1000	300	ug/Kg	☼	08/08/12 11:01	08/09/12 16:36	1
Copper	100000		2500	740	ug/Kg	☼	08/08/12 11:01	08/09/12 16:36	1
Iron	13000000		10000	4900	ug/Kg	☼	08/08/12 11:01	08/09/12 16:36	1
Lead	5300	B	300	190	ug/Kg	☼	08/08/12 11:01	08/09/12 16:36	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-18NW-0006-SSXX

Lab Sample ID: 240-13671-46

Date Collected: 07/27/12 11:42

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 90.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	450	J	1000	390	ug/Kg	☼	08/08/12 11:01	08/09/12 16:53	1
Arsenic	3300		1000	300	ug/Kg	☼	08/08/12 11:01	08/09/12 16:53	1
Copper	3700000		2500	740	ug/Kg	☼	08/08/12 11:01	08/09/12 16:53	1
Iron	9300000		10000	4900	ug/Kg	☼	08/08/12 11:01	08/09/12 16:53	1
Lead	33000	B	300	190	ug/Kg	☼	08/08/12 11:01	08/09/12 16:53	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-18NW-0602-SSXX

Lab Sample ID: 240-13671-47

Date Collected: 07/27/12 11:43

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 90.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1000	U	1000	410	ug/Kg	☼	08/08/12 11:01	08/09/12 16:59	1
Arsenic	4600		1000	310	ug/Kg	☼	08/08/12 11:01	08/09/12 16:59	1
Copper	1900000		2600	780	ug/Kg	☼	08/08/12 11:01	08/09/12 16:59	1
Iron	9800000		10000	5100	ug/Kg	☼	08/08/12 11:01	08/09/12 16:59	1
Lead	42000	B	310	200	ug/Kg	☼	08/08/12 11:01	08/09/12 16:59	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-18NW-0205-SSXX

Lab Sample ID: 240-13671-48

Date Collected: 07/27/12 11:44

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 92.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	990	U	990	390	ug/Kg	☼	08/08/12 11:01	08/09/12 17:04	1
Arsenic	2900		990	300	ug/Kg	☼	08/08/12 11:01	08/09/12 17:04	1
Copper	4100000		2500	740	ug/Kg	☼	08/08/12 11:01	08/09/12 17:04	1
Iron	6600000		9900	4900	ug/Kg	☼	08/08/12 11:01	08/09/12 17:04	1
Lead	9600	B	300	190	ug/Kg	☼	08/08/12 11:01	08/09/12 17:04	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-18SE-0006-SSXX

Lab Sample ID: 240-13671-49

Date Collected: 07/27/12 11:51

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 86.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1100	U	1100	430	ug/Kg	☼	08/08/12 11:01	08/09/12 17:10	1
Arsenic	14000		1100	330	ug/Kg	☼	08/08/12 11:01	08/09/12 17:10	1
Copper	530000		2700	810	ug/Kg	☼	08/08/12 11:01	08/09/12 17:10	1
Iron	13000000		11000	5300	ug/Kg	☼	08/08/12 11:01	08/09/12 17:10	1
Lead	64000	B	330	210	ug/Kg	☼	08/08/12 11:01	08/09/12 17:10	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-18SE-0602-SSXX

Lab Sample ID: 240-13671-50

Date Collected: 07/27/12 11:52

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 90.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2000		980	380	ug/Kg	☼	08/08/12 11:01	08/09/12 17:16	1
Arsenic	11000		980	290	ug/Kg	☼	08/08/12 11:01	08/09/12 17:16	1
Copper	390000		2400	720	ug/Kg	☼	08/08/12 11:01	08/09/12 17:16	1
Iron	11000000		9800	4800	ug/Kg	☼	08/08/12 11:01	08/09/12 17:16	1
Lead	89000	B	290	190	ug/Kg	☼	08/08/12 11:01	08/09/12 17:16	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-18SE-0205-SSXX

Lab Sample ID: 240-13671-51

Date Collected: 07/27/12 11:53

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 91.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1800		800	310	ug/Kg	☼	08/08/12 11:01	08/10/12 12:35	1
Arsenic	6200		800	240	ug/Kg	☼	08/08/12 11:01	08/09/12 17:21	1
Copper	6700000		10000	3000	ug/Kg	☼	08/08/12 11:01	08/10/12 12:41	5
Iron	10000000		8000	3900	ug/Kg	☼	08/08/12 11:01	08/09/12 17:21	1
Lead	56000	B	1200	760	ug/Kg	☼	08/08/12 11:01	08/10/12 12:41	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-18NE-0006-SSXX

Lab Sample ID: 240-13671-52

Date Collected: 07/27/12 12:01

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 91.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	670	J	920	360	ug/Kg	☼	08/08/12 11:01	08/09/12 17:27	1
Arsenic	6300		920	280	ug/Kg	☼	08/08/12 11:01	08/09/12 17:27	1
Copper	1400000		2300	680	ug/Kg	☼	08/08/12 11:01	08/09/12 17:27	1
Iron	12000000		9200	4500	ug/Kg	☼	08/08/12 11:01	08/09/12 17:27	1
Lead	24000	B	1400	880	ug/Kg	☼	08/08/12 11:01	08/10/12 12:46	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-18NE-0602-SSXX

Lab Sample ID: 240-13671-53

Date Collected: 07/27/12 12:02

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 90.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	420	J	940	370	ug/Kg	☼	08/08/12 11:01	08/09/12 17:33	1
Arsenic	6700		940	280	ug/Kg	☼	08/08/12 11:01	08/09/12 17:33	1
Copper	760000		2400	700	ug/Kg	☼	08/08/12 11:01	08/09/12 17:33	1
Iron	16000000		9400	4600	ug/Kg	☼	08/08/12 11:01	08/09/12 17:33	1
Lead	25000	B	280	180	ug/Kg	☼	08/08/12 11:01	08/09/12 17:33	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-18NE-0205-SSXX

Lab Sample ID: 240-13671-54

Date Collected: 07/27/12 12:03

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 86.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	470	J	940	370	ug/Kg	☼	08/08/12 11:35	08/09/12 18:24	1
Arsenic	7000		940	280	ug/Kg	☼	08/08/12 11:35	08/09/12 18:24	1
Copper	830000		2300	690	ug/Kg	☼	08/08/12 11:35	08/09/12 18:24	1
Iron	12000000		9400	4600	ug/Kg	☼	08/08/12 11:35	08/09/12 18:24	1
Lead	28000		280	180	ug/Kg	☼	08/08/12 11:35	08/09/12 18:24	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-19SW-0006-SSXX

Lab Sample ID: 240-13671-57

Date Collected: 07/27/12 13:49

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 89.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1000		1000	400	ug/Kg	☼	08/08/12 11:35	08/09/12 18:29	1
Arsenic	12000		1000	310	ug/Kg	☼	08/08/12 11:35	08/09/12 18:29	1
Copper	430000		2600	770	ug/Kg	☼	08/08/12 11:35	08/09/12 18:29	1
Iron	14000000		10000	5100	ug/Kg	☼	08/08/12 11:35	08/09/12 18:29	1
Lead	71000		310	200	ug/Kg	☼	08/08/12 11:35	08/09/12 18:29	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-19SW-0602-SSXX

Lab Sample ID: 240-13671-58

Date Collected: 07/27/12 13:50

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 90.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	950	U	950	370	ug/Kg	☼	08/08/12 11:35	08/09/12 18:35	1
Arsenic	1700		950	280	ug/Kg	☼	08/08/12 11:35	08/09/12 18:35	1
Copper	110000		2400	700	ug/Kg	☼	08/08/12 11:35	08/09/12 18:35	1
Iron	2500000		9500	4600	ug/Kg	☼	08/08/12 11:35	08/09/12 18:35	1
Lead	6500		280	180	ug/Kg	☼	08/08/12 11:35	08/09/12 18:35	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-19SW-0205-SSXX

Lab Sample ID: 240-13671-59

Date Collected: 07/27/12 13:51

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 90.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	3600	J	4600	1800	ug/Kg	☼	08/08/12 11:35	08/10/12 13:14	5
Arsenic	8000		4600	1400	ug/Kg	☼	08/08/12 11:35	08/10/12 13:14	5
Copper	1700000		2300	680	ug/Kg	☼	08/08/12 11:35	08/09/12 18:41	1
Iron	68000000		46000	22000	ug/Kg	☼	08/08/12 11:35	08/10/12 13:14	5
Lead	46000		1400	870	ug/Kg	☼	08/08/12 11:35	08/10/12 13:14	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-19SE-0006-SSXX

Lab Sample ID: 240-13671-60

Date Collected: 07/27/12 13:57

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 89.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1500		1000	410	ug/Kg	☼	08/08/12 11:35	08/10/12 13:32	1
Arsenic	20000		1000	310	ug/Kg	☼	08/08/12 11:35	08/09/12 18:46	1
Copper	2000000		2600	770	ug/Kg	☼	08/08/12 11:35	08/09/12 18:46	1
Iron	40000000		10000	5100	ug/Kg	☼	08/08/12 11:35	08/09/12 18:46	1
Lead	690000		310	200	ug/Kg	☼	08/08/12 11:35	08/09/12 18:46	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-19SE-0602-SSXX

Lab Sample ID: 240-13671-61

Date Collected: 07/27/12 13:58

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 96.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	380	J	740	290	ug/Kg	☼	08/08/12 11:35	08/09/12 18:52	1
Arsenic	12000		740	220	ug/Kg	☼	08/08/12 11:35	08/09/12 18:52	1
Copper	170000		1900	550	ug/Kg	☼	08/08/12 11:35	08/09/12 18:52	1
Iron	10000000		7400	3600	ug/Kg	☼	08/08/12 11:35	08/09/12 18:52	1
Lead	96000		1100	700	ug/Kg	☼	08/08/12 11:35	08/10/12 13:37	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-19SE-0205-SSXX

Lab Sample ID: 240-13671-62

Date Collected: 07/27/12 13:59

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 65.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1500	U	1500	580	ug/Kg	☼	08/08/12 11:35	08/09/12 19:09	1
Arsenic	65000		1500	450	ug/Kg	☼	08/08/12 11:35	08/09/12 19:09	1
Copper	1200000		3700	1100	ug/Kg	☼	08/08/12 11:35	08/09/12 19:09	1
Iron	13000000		15000	7300	ug/Kg	☼	08/08/12 11:35	08/09/12 19:09	1
Lead	430000		450	280	ug/Kg	☼	08/08/12 11:35	08/09/12 19:09	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-19NW-0006-SSXX

Lab Sample ID: 240-13671-63

Date Collected: 07/27/12 14:05

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 86.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	900	U	900	350	ug/Kg	☼	08/08/12 11:35	08/09/12 19:15	1
Arsenic	7400		900	270	ug/Kg	☼	08/08/12 11:35	08/09/12 19:15	1
Copper	720000		2200	660	ug/Kg	☼	08/08/12 11:35	08/09/12 19:15	1
Iron	15000000		9000	4400	ug/Kg	☼	08/08/12 11:35	08/09/12 19:15	1
Lead	25000		270	170	ug/Kg	☼	08/08/12 11:35	08/09/12 19:15	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-19NW-0602-SSXX

Lab Sample ID: 240-13671-64

Date Collected: 07/27/12 14:06

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 88.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	940	U	940	360	ug/Kg	☼	08/08/12 11:35	08/09/12 19:20	1
Arsenic	4800		940	280	ug/Kg	☼	08/08/12 11:35	08/09/12 19:20	1
Copper	940000		2300	690	ug/Kg	☼	08/08/12 11:35	08/09/12 19:20	1
Iron	7700000		9400	4600	ug/Kg	☼	08/08/12 11:35	08/09/12 19:20	1
Lead	16000		280	180	ug/Kg	☼	08/08/12 11:35	08/09/12 19:20	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-19NW-0205-SSXX

Lab Sample ID: 240-13671-65

Date Collected: 07/27/12 14:07

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 96.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	640	J	1000	390	ug/Kg	☼	08/08/12 11:35	08/09/12 18:01	1
Arsenic	2000		1000	300	ug/Kg	☼	08/08/12 11:35	08/09/12 18:01	1
Copper	3200000		2500	740	ug/Kg	☼	08/08/12 11:35	08/09/12 18:01	1
Iron	15000000		10000	4900	ug/Kg	☼	08/08/12 11:35	08/09/12 18:01	1
Lead	3000		1500	950	ug/Kg	☼	08/08/12 11:35	08/10/12 12:52	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-28SW-0006-SSXX

Lab Sample ID: 240-13671-68

Date Collected: 07/27/12 14:26

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 91.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	870	U	870	340	ug/Kg	☼	08/08/12 11:35	08/09/12 19:26	1
Arsenic	4000		870	260	ug/Kg	☼	08/08/12 11:35	08/09/12 19:26	1
Copper	3000000		2200	640	ug/Kg	☼	08/08/12 11:35	08/09/12 19:26	1
Iron	8200000		8700	4300	ug/Kg	☼	08/08/12 11:35	08/09/12 19:26	1
Lead	12000		260	170	ug/Kg	☼	08/08/12 11:35	08/09/12 19:26	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-28SW-0602-SSXX

Lab Sample ID: 240-13671-69

Date Collected: 07/27/12 14:27

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 87.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	590	J	1000	410	ug/Kg	☼	08/08/12 11:35	08/09/12 19:32	1
Arsenic	12000		1000	310	ug/Kg	☼	08/08/12 11:35	08/09/12 19:32	1
Copper	11000000		13000	3900	ug/Kg	☼	08/08/12 11:35	08/10/12 13:43	5
Iron	10000000		10000	5100	ug/Kg	☼	08/08/12 11:35	08/09/12 19:32	1
Lead	46000		1600	990	ug/Kg	☼	08/08/12 11:35	08/10/12 13:43	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-28SW-0205-SSXX

Lab Sample ID: 240-13671-70

Date Collected: 07/27/12 14:28

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 87.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1000	U	1000	410	ug/Kg	☼	08/08/12 11:35	08/09/12 19:37	1
Arsenic	14000		1000	310	ug/Kg	☼	08/08/12 11:35	08/09/12 19:37	1
Copper	11000000		13000	3900	ug/Kg	☼	08/08/12 11:35	08/10/12 13:49	5
Iron	11000000		10000	5100	ug/Kg	☼	08/08/12 11:35	08/09/12 19:37	1
Lead	28000		1600	990	ug/Kg	☼	08/08/12 11:35	08/10/12 13:49	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-28SE-0006-SSXX

Lab Sample ID: 240-13671-71

Date Collected: 07/27/12 14:34

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 88.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1000		1000	390	ug/Kg	☼	08/08/12 11:35	08/09/12 19:43	1
Arsenic	25000		1000	300	ug/Kg	☼	08/08/12 11:35	08/09/12 19:43	1
Copper	32000000		25000	7400	ug/Kg	☼	08/08/12 11:35	08/10/12 13:54	10
Iron	16000000		10000	4900	ug/Kg	☼	08/08/12 11:35	08/09/12 19:43	1
Lead	81000		3000	1900	ug/Kg	☼	08/08/12 11:35	08/10/12 13:54	10

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-28SE-0602-SSXX

Lab Sample ID: 240-13671-72

Date Collected: 07/27/12 14:35

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 85.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	960	U	960	370	ug/Kg	☼	08/08/12 11:35	08/09/12 19:49	1
Arsenic	4000		960	290	ug/Kg	☼	08/08/12 11:35	08/09/12 19:49	1
Copper	1300000		2400	710	ug/Kg	☼	08/08/12 11:35	08/09/12 19:49	1
Iron	10000000		9600	4700	ug/Kg	☼	08/08/12 11:35	08/09/12 19:49	1
Lead	11000		290	180	ug/Kg	☼	08/08/12 11:35	08/09/12 19:49	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-28SE-0205-SSXX

Lab Sample ID: 240-13671-73

Date Collected: 07/27/12 14:36

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 96.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	850	U	850	330	ug/Kg	☼	08/08/12 11:35	08/09/12 19:54	1
Arsenic	2300		850	250	ug/Kg	☼	08/08/12 11:35	08/09/12 19:54	1
Copper	7200000		11000	3100	ug/Kg	☼	08/08/12 11:35	08/10/12 14:00	5
Iron	6500000		8500	4100	ug/Kg	☼	08/08/12 11:35	08/09/12 19:54	1
Lead	1600		1300	800	ug/Kg	☼	08/08/12 11:35	08/10/12 14:00	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-28NE-0006-SSXX

Lab Sample ID: 240-13671-74

Date Collected: 07/27/12 14:42

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 89.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1100	U	1100	430	ug/Kg	☼	08/08/12 11:35	08/09/12 20:00	1
Arsenic	5500		1100	330	ug/Kg	☼	08/08/12 11:35	08/09/12 20:00	1
Copper	3000000		2800	810	ug/Kg	☼	08/08/12 11:35	08/09/12 20:00	1
Iron	9900000		11000	5400	ug/Kg	☼	08/08/12 11:35	08/09/12 20:00	1
Lead	22000		330	210	ug/Kg	☼	08/08/12 11:35	08/09/12 20:00	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-28NE-0602-SSXX

Lab Sample ID: 240-13671-75

Date Collected: 07/27/12 14:43

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 92.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	940	U	940	370	ug/Kg	☼	08/08/12 11:35	08/09/12 20:17	1
Arsenic	2400		940	280	ug/Kg	☼	08/08/12 11:35	08/09/12 20:17	1
Copper	1700000		2300	690	ug/Kg	☼	08/08/12 11:35	08/09/12 20:17	1
Iron	14000000		9400	4600	ug/Kg	☼	08/08/12 11:35	08/09/12 20:17	1
Lead	18000		280	180	ug/Kg	☼	08/08/12 11:35	08/09/12 20:17	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-28NW-0006-SSXX

Lab Sample ID: 240-13671-76

Date Collected: 07/27/12 14:46

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 94.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1100		1000	390	ug/Kg	☼	08/08/12 11:35	08/09/12 20:23	1
Arsenic	2100		1000	300	ug/Kg	☼	08/08/12 11:35	08/09/12 20:23	1
Copper	1600000		2500	740	ug/Kg	☼	08/08/12 11:35	08/09/12 20:23	1
Iron	23000000		10000	4900	ug/Kg	☼	08/08/12 11:35	08/09/12 20:23	1
Lead	81000		1500	960	ug/Kg	☼	08/08/12 11:35	08/10/12 14:06	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-28NW-0602-SSXX

Lab Sample ID: 240-13671-77

Date Collected: 07/27/12 14:47

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 90.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	960	U	960	370	ug/Kg	☼	08/08/12 11:35	08/09/12 20:28	1
Arsenic	3700		960	290	ug/Kg	☼	08/08/12 11:35	08/09/12 20:28	1
Copper	420000		2400	710	ug/Kg	☼	08/08/12 11:35	08/09/12 20:28	1
Iron	7300000		9600	4700	ug/Kg	☼	08/08/12 11:35	08/09/12 20:28	1
Lead	9100		290	180	ug/Kg	☼	08/08/12 11:35	08/09/12 20:28	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-28NW-0205-SSXX

Lab Sample ID: 240-13671-78

Date Collected: 07/27/12 14:48

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 80.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1200	U	1200	470	ug/Kg	☼	08/08/12 11:55	08/09/12 21:08	1
Arsenic	3800		1200	370	ug/Kg	☼	08/08/12 11:55	08/09/12 21:08	1
Copper	230000	B	3000	900	ug/Kg	☼	08/08/12 11:55	08/09/12 21:08	1
Iron	8400000		12000	6000	ug/Kg	☼	08/08/12 11:55	08/09/12 21:08	1
Lead	21000		370	230	ug/Kg	☼	08/08/12 11:55	08/09/12 21:08	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-27XX-0006-SSXX

Lab Sample ID: 240-13671-81

Date Collected: 07/27/12 15:06

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 82.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2100		1000	410	ug/Kg	☼	08/08/12 11:55	08/09/12 21:25	1
Arsenic	35000		1000	310	ug/Kg	☼	08/08/12 11:55	08/09/12 21:25	1
Copper	42000000	B	260000	78000	ug/Kg	☼	08/08/12 11:55	08/10/12 14:11	100
Iron	42000000		10000	5100	ug/Kg	☼	08/08/12 11:55	08/09/12 21:25	1
Lead	460000		31000	20000	ug/Kg	☼	08/08/12 11:55	08/10/12 14:11	100

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-27XX-0602-SSXX

Lab Sample ID: 240-13671-82

Date Collected: 07/27/12 15:10

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 88.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1000	U	1000	400	ug/Kg	☼	08/08/12 11:55	08/09/12 21:31	1
Arsenic	4700		1000	310	ug/Kg	☼	08/08/12 11:55	08/09/12 21:31	1
Copper	1000000	B	2600	760	ug/Kg	☼	08/08/12 11:55	08/09/12 21:31	1
Iron	8200000		10000	5000	ug/Kg	☼	08/08/12 11:55	08/09/12 21:31	1
Lead	21000		310	200	ug/Kg	☼	08/08/12 11:55	08/09/12 21:31	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-27XX-0205-SSXX

Lab Sample ID: 240-13671-83

Date Collected: 07/27/12 15:11

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 87.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	910	U	910	350	ug/Kg	☼	08/08/12 11:55	08/09/12 21:37	1
Arsenic	3300		910	270	ug/Kg	☼	08/08/12 11:55	08/09/12 21:37	1
Copper	2300000	B	2300	670	ug/Kg	☼	08/08/12 11:55	08/09/12 21:37	1
Iron	10000000		9100	4400	ug/Kg	☼	08/08/12 11:55	08/09/12 21:37	1
Lead	14000		270	170	ug/Kg	☼	08/08/12 11:55	08/09/12 21:37	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-20NE-0006-SSXX

Lab Sample ID: 240-13671-86

Date Collected: 07/27/12 15:33

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 95.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1100		970	380	ug/Kg	☼	08/08/12 11:55	08/09/12 21:42	1
Arsenic	3600		970	290	ug/Kg	☼	08/08/12 11:55	08/09/12 21:42	1
Copper	2000000	B	2400	720	ug/Kg	☼	08/08/12 11:55	08/09/12 21:42	1
Iron	19000000		9700	4800	ug/Kg	☼	08/08/12 11:55	08/09/12 21:42	1
Lead	16000		1500	920	ug/Kg	☼	08/08/12 11:55	08/10/12 14:17	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-20NE-0602-SSXX

Lab Sample ID: 240-13671-87

Date Collected: 07/27/12 15:34

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 82.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1200	U	1200	460	ug/Kg	☼	08/08/12 11:55	08/09/12 21:48	1
Arsenic	11000		1200	350	ug/Kg	☼	08/08/12 11:55	08/09/12 21:48	1
Copper	3700000	B	2900	870	ug/Kg	☼	08/08/12 11:55	08/09/12 21:48	1
Iron	13000000		12000	5800	ug/Kg	☼	08/08/12 11:55	08/09/12 21:48	1
Lead	17000		350	220	ug/Kg	☼	08/08/12 11:55	08/09/12 21:48	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-20NE-0205-SSXX

Lab Sample ID: 240-13671-88

Date Collected: 07/27/12 15:35

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 80.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1200	U	1200	480	ug/Kg	☼	08/08/12 11:55	08/09/12 21:54	1
Arsenic	6000		1200	370	ug/Kg	☼	08/08/12 11:55	08/09/12 21:54	1
Copper	100000	B	3000	900	ug/Kg	☼	08/08/12 11:55	08/09/12 21:54	1
Iron	9800000		12000	6000	ug/Kg	☼	08/08/12 11:55	08/09/12 21:54	1
Lead	6500		370	230	ug/Kg	☼	08/08/12 11:55	08/09/12 21:54	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-20SW-0006-SSXX

Lab Sample ID: 240-13671-89

Date Collected: 07/27/12 15:40

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 92.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	950	U	950	370	ug/Kg	☼	08/08/12 11:55	08/09/12 21:59	1
Arsenic	5600		950	290	ug/Kg	☼	08/08/12 11:55	08/09/12 21:59	1
Copper	150000	B	2400	710	ug/Kg	☼	08/08/12 11:55	08/09/12 21:59	1
Iron	7200000		9500	4700	ug/Kg	☼	08/08/12 11:55	08/09/12 21:59	1
Lead	9800		290	180	ug/Kg	☼	08/08/12 11:55	08/09/12 21:59	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-20SW-0602-SSXX

Lab Sample ID: 240-13671-90

Date Collected: 07/27/12 15:41

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 88.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	500	J	1100	420	ug/Kg	☼	08/08/12 11:55	08/09/12 20:45	1
Arsenic	12000		1100	320	ug/Kg	☼	08/08/12 11:55	08/09/12 20:45	1
Copper	130000	B	2700	800	ug/Kg	☼	08/08/12 11:55	08/09/12 20:45	1
Iron	26000000		11000	5300	ug/Kg	☼	08/08/12 11:55	08/09/12 20:45	1
Lead	19000		320	210	ug/Kg	☼	08/08/12 11:55	08/09/12 20:45	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-20SW-0205-SSXX

Lab Sample ID: 240-13671-91

Date Collected: 07/27/12 15:44

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 81.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1100	U	1100	420	ug/Kg	☼	08/08/12 11:55	08/09/12 22:05	1
Arsenic	7400		1100	320	ug/Kg	☼	08/08/12 11:55	08/09/12 22:05	1
Copper	690000	B	2700	790	ug/Kg	☼	08/08/12 11:55	08/09/12 22:05	1
Iron	9700000		11000	5200	ug/Kg	☼	08/08/12 11:55	08/09/12 22:05	1
Lead	6400		320	200	ug/Kg	☼	08/08/12 11:55	08/09/12 22:05	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-20SE-0006-SSXX

Lab Sample ID: 240-13671-92

Date Collected: 07/27/12 15:47

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 91.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1400		920	360	ug/Kg	☼	08/08/12 11:55	08/10/12 14:40	1
Arsenic	16000		920	280	ug/Kg	☼	08/08/12 11:55	08/09/12 22:11	1
Copper	8000000	B	12000	3400	ug/Kg	☼	08/08/12 11:55	08/10/12 14:23	5
Iron	17000000		9200	4500	ug/Kg	☼	08/08/12 11:55	08/09/12 22:11	1
Lead	110000		1400	870	ug/Kg	☼	08/08/12 11:55	08/10/12 14:23	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-20SE-0602-SSXX

Lab Sample ID: 240-13671-93

Date Collected: 07/27/12 15:48

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 89.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1000	U	1000	400	ug/Kg	☼	08/08/12 11:55	08/09/12 22:16	1
Arsenic	8300		1000	310	ug/Kg	☼	08/08/12 11:55	08/09/12 22:16	1
Copper	1100000	B	2600	760	ug/Kg	☼	08/08/12 11:55	08/09/12 22:16	1
Iron	16000000		10000	5000	ug/Kg	☼	08/08/12 11:55	08/09/12 22:16	1
Lead	40000		310	200	ug/Kg	☼	08/08/12 11:55	08/09/12 22:16	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-20SE-0205-SSXX

Lab Sample ID: 240-13671-94

Date Collected: 07/27/12 15:49

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 89.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1000	U	1000	410	ug/Kg	☼	08/08/12 11:55	08/09/12 22:33	1
Arsenic	4300		1000	310	ug/Kg	☼	08/08/12 11:55	08/09/12 22:33	1
Copper	60000	B	2600	780	ug/Kg	☼	08/08/12 11:55	08/09/12 22:33	1
Iron	9700000		10000	5100	ug/Kg	☼	08/08/12 11:55	08/09/12 22:33	1
Lead	1700		310	200	ug/Kg	☼	08/08/12 11:55	08/09/12 22:33	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-21NW-0006-SSXX

Lab Sample ID: 240-13671-97

Date Collected: 07/27/12 16:07

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 80.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	690	J	1200	450	ug/Kg	☼	08/08/12 11:55	08/09/12 22:39	1
Arsenic	16000		1200	350	ug/Kg	☼	08/08/12 11:55	08/09/12 22:39	1
Copper	2000000	B	2900	860	ug/Kg	☼	08/08/12 11:55	08/09/12 22:39	1
Iron	6100000		12000	5700	ug/Kg	☼	08/08/12 11:55	08/09/12 22:39	1
Lead	30000		350	220	ug/Kg	☼	08/08/12 11:55	08/09/12 22:39	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-21NW-0602-SSXX

Lab Sample ID: 240-13671-98

Date Collected: 07/27/12 16:08

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 88.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1000	U	1000	390	ug/Kg	☼	08/08/12 11:55	08/09/12 22:45	1
Arsenic	8400		1000	300	ug/Kg	☼	08/08/12 11:55	08/09/12 22:45	1
Copper	3400000	B	2500	740	ug/Kg	☼	08/08/12 11:55	08/09/12 22:45	1
Iron	14000000		10000	4900	ug/Kg	☼	08/08/12 11:55	08/09/12 22:45	1
Lead	34000		300	190	ug/Kg	☼	08/08/12 11:55	08/09/12 22:45	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-21NW-0205-SSXX

Lab Sample ID: 240-13671-99

Date Collected: 07/27/12 16:09

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 87.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1100	U	1100	430	ug/Kg	☼	08/08/12 11:55	08/09/12 22:50	1
Arsenic	7000		1100	330	ug/Kg	☼	08/08/12 11:55	08/09/12 22:50	1
Copper	520000	B	2700	810	ug/Kg	☼	08/08/12 11:55	08/09/12 22:50	1
Iron	11000000		11000	5400	ug/Kg	☼	08/08/12 11:55	08/09/12 22:50	1
Lead	21000		330	210	ug/Kg	☼	08/08/12 11:55	08/09/12 22:50	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-21SW-0006-SSXX

Lab Sample ID: 240-13671-100

Date Collected: 07/27/12 16:18

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 89.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2600		1100	430	ug/Kg	☼	08/08/12 11:55	08/10/12 14:45	1
Arsenic	19000		1100	330	ug/Kg	☼	08/08/12 11:55	08/09/12 22:56	1
Copper	1100000	B	2700	810	ug/Kg	☼	08/08/12 11:55	08/09/12 22:56	1
Iron	16000000		11000	5300	ug/Kg	☼	08/08/12 11:55	08/09/12 22:56	1
Lead	77000		330	210	ug/Kg	☼	08/08/12 11:55	08/09/12 22:56	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-21SW-0602-SSXX

Lab Sample ID: 240-13671-101

Date Collected: 07/27/12 16:19

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 97.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	510	J	850	330	ug/Kg	☼	08/08/12 11:55	08/09/12 23:02	1
Arsenic	2000		850	250	ug/Kg	☼	08/08/12 11:55	08/09/12 23:02	1
Copper	3300000	B	2100	630	ug/Kg	☼	08/08/12 11:55	08/09/12 23:02	1
Iron	6400000		8500	4200	ug/Kg	☼	08/08/12 11:55	08/09/12 23:02	1
Lead	7700		1300	810	ug/Kg	☼	08/08/12 11:55	08/10/12 14:51	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-21SW-0205-SSXX

Lab Sample ID: 240-13671-102

Date Collected: 07/27/12 16:20

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 92.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	510	J	1000	400	ug/Kg	☼	08/08/12 11:55	08/09/12 23:07	1
Arsenic	2400		1000	300	ug/Kg	☼	08/08/12 11:55	08/09/12 23:07	1
Copper	3700000	B	2500	750	ug/Kg	☼	08/08/12 11:55	08/09/12 23:07	1
Iron	9000000		10000	5000	ug/Kg	☼	08/08/12 11:55	08/09/12 23:07	1
Lead	52000		300	190	ug/Kg	☼	08/08/12 11:55	08/09/12 23:07	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-DP11-XXXX-SSFD

Lab Sample ID: 240-13671-105

Date Collected: 07/27/12 00:00

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 82.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1200	U	1200	470	ug/Kg	☼	08/08/12 11:55	08/09/12 23:13	1
Arsenic	4100		1200	360	ug/Kg	☼	08/08/12 11:55	08/09/12 23:13	1
Copper	590000	B	3000	890	ug/Kg	☼	08/08/12 11:55	08/09/12 23:13	1
Iron	6700000		12000	5900	ug/Kg	☼	08/08/12 11:55	08/09/12 23:13	1
Lead	9300		360	230	ug/Kg	☼	08/08/12 11:55	08/09/12 23:13	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-DP12-XXXX-SSFD

Lab Sample ID: 240-13671-106

Date Collected: 07/27/12 00:00

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 91.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1100	B	1000	390	ug/Kg	☼	08/09/12 11:08	08/10/12 07:42	1
Arsenic	4600		1000	300	ug/Kg	☼	08/09/12 11:08	08/10/12 07:42	1
Copper	3600000		2500	740	ug/Kg	☼	08/09/12 11:08	08/10/12 07:42	1
Iron	6700000	B	10000	4900	ug/Kg	☼	08/09/12 11:08	08/10/12 07:42	1
Lead	6100		300	190	ug/Kg	☼	08/09/12 11:08	08/10/12 07:42	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-DP13-XXXX-SSFD

Lab Sample ID: 240-13671-107

Date Collected: 07/27/12 00:00

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 90.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	830	J B	1100	410	ug/Kg	☼	08/09/12 11:08	08/10/12 10:55	1
Arsenic	2800		1100	320	ug/Kg	☼	08/09/12 11:08	08/10/12 10:55	1
Copper	18000		2600	780	ug/Kg	☼	08/09/12 11:08	08/10/12 08:20	1
Iron	14000000	B	11000	5200	ug/Kg	☼	08/09/12 11:08	08/10/12 08:20	1
Lead	980		320	200	ug/Kg	☼	08/09/12 11:08	08/10/12 10:55	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-DP14-XXXX-SSFD

Lab Sample ID: 240-13671-108

Date Collected: 07/27/12 00:00

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 82.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	880	J B	1200	460	ug/Kg	☼	08/09/12 11:08	08/10/12 08:25	1
Arsenic	4700		1200	350	ug/Kg	☼	08/09/12 11:08	08/10/12 08:25	1
Copper	92000		3000	870	ug/Kg	☼	08/09/12 11:08	08/10/12 08:25	1
Iron	2000000	B	12000	5800	ug/Kg	☼	08/09/12 11:08	08/10/12 08:25	1
Lead	7700		350	220	ug/Kg	☼	08/09/12 11:08	08/10/12 08:25	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-DP15-XXXX-SSFD

Lab Sample ID: 240-13671-109

Date Collected: 07/27/12 00:00

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 84.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1400	B	980	380	ug/Kg	☼	08/09/12 11:08	08/10/12 08:31	1
Arsenic	6300		980	300	ug/Kg	☼	08/09/12 11:08	08/10/12 08:31	1
Copper	1900000		2500	730	ug/Kg	☼	08/09/12 11:08	08/10/12 08:31	1
Iron	14000000	B	9800	4800	ug/Kg	☼	08/09/12 11:08	08/10/12 08:31	1
Lead	89000		300	190	ug/Kg	☼	08/09/12 11:08	08/10/12 08:31	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-DP16-XXXX-SSFD

Lab Sample ID: 240-13671-110

Date Collected: 07/27/12 00:00

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 83.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	3000	J B	5000	2000	ug/Kg	☼	08/09/12 11:08	08/10/12 11:12	5
Arsenic	11000		5000	1500	ug/Kg	☼	08/09/12 11:08	08/10/12 11:12	5
Copper	850000		2500	740	ug/Kg	☼	08/09/12 11:08	08/10/12 08:36	1
Iron	63000000	B	50000	25000	ug/Kg	☼	08/09/12 11:08	08/10/12 11:12	5
Lead	100000		1500	950	ug/Kg	☼	08/09/12 11:08	08/10/12 11:12	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-DP17-XXXX-SSFD

Lab Sample ID: 240-13671-111

Date Collected: 07/27/12 00:00

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 88.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1900	B	960	380	ug/Kg	☼	08/09/12 11:08	08/10/12 08:42	1
Arsenic	22000		960	290	ug/Kg	☼	08/09/12 11:08	08/10/12 08:42	1
Copper	27000000		24000	7100	ug/Kg	☼	08/09/12 11:08	08/10/12 11:18	10
Iron	21000000	B	9600	4700	ug/Kg	☼	08/09/12 11:08	08/10/12 08:42	1
Lead	63000		2900	1800	ug/Kg	☼	08/09/12 11:08	08/10/12 11:18	10

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-DP18-XXXX-SSFD

Lab Sample ID: 240-13671-112

Date Collected: 07/27/12 00:00

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 82.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1100	B	1100	440	ug/Kg	☼	08/09/12 11:08	08/10/12 08:48	1
Arsenic	3100		1100	340	ug/Kg	☼	08/09/12 11:08	08/10/12 08:48	1
Copper	2400000		2800	840	ug/Kg	☼	08/09/12 11:08	08/10/12 08:48	1
Iron	6900000	B	11000	5600	ug/Kg	☼	08/09/12 11:08	08/10/12 08:48	1
Lead	6400		340	220	ug/Kg	☼	08/09/12 11:08	08/10/12 08:48	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-DP19-XXXX-SSFD

Lab Sample ID: 240-13671-113

Date Collected: 07/27/12 00:00

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 77.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	750	J B	1200	460	ug/Kg	☼	08/09/12 11:08	08/10/12 08:53	1
Arsenic	13000		1200	350	ug/Kg	☼	08/09/12 11:08	08/10/12 08:53	1
Copper	8900000		15000	4400	ug/Kg	☼	08/09/12 11:08	08/10/12 11:24	5
Iron	13000000	B	12000	5800	ug/Kg	☼	08/09/12 11:08	08/10/12 08:53	1
Lead	79000		1800	1100	ug/Kg	☼	08/09/12 11:08	08/10/12 11:24	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-DP20-XXXX-SSFD

Lab Sample ID: 240-13671-114

Date Collected: 07/27/12 00:00

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 89.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1800	B	980	380	ug/Kg	☼	08/09/12 11:08	08/10/12 08:59	1
Arsenic	15000		980	290	ug/Kg	☼	08/09/12 11:08	08/10/12 08:59	1
Copper	630000		2400	720	ug/Kg	☼	08/09/12 11:08	08/10/12 08:59	1
Iron	13000000	B	9800	4800	ug/Kg	☼	08/09/12 11:08	08/10/12 08:59	1
Lead	61000		290	190	ug/Kg	☼	08/09/12 11:08	08/10/12 08:59	1

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 240-53534/1-A

Matrix: Solid

Analysis Batch: 53842

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53534

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1000	U	1000	390	ug/Kg		08/07/12 11:45	08/10/12 02:15	1
Arsenic	1000	U	1000	300	ug/Kg		08/07/12 11:45	08/10/12 02:15	1
Copper	2500	U	2500	740	ug/Kg		08/07/12 11:45	08/10/12 02:15	1
Iron	10000	U	10000	4900	ug/Kg		08/07/12 11:45	08/10/12 02:15	1
Lead	300	U	300	190	ug/Kg		08/07/12 11:45	08/10/12 02:15	1

Lab Sample ID: LCS 240-53534/2-A

Matrix: Solid

Analysis Batch: 53842

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53534

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50000	47300		ug/Kg		95	80 - 120
Arsenic	200000	189000		ug/Kg		94	80 - 120
Copper	25000	25700		ug/Kg		103	80 - 120
Iron	100000	103000		ug/Kg		103	80 - 120
Lead	50000	48400		ug/Kg		97	80 - 120

Lab Sample ID: 240-13671-5 MS

Matrix: Solid

Analysis Batch: 53842

Client Sample ID: LLI01-14NW-0602-SSXX

Prep Type: Total/NA

Prep Batch: 53534

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	1100	U	52000	40100		ug/Kg	✱	77	75 - 125
Arsenic	5800		208000	197000		ug/Kg	✱	92	75 - 125
Copper	99000		26000	119000		ug/Kg	✱	75	75 - 125
Iron	8200000		104000	9830000	4	ug/Kg	✱	1536	75 - 125
Lead	13000		52000	63100		ug/Kg	✱	95	75 - 125

Lab Sample ID: 240-13671-5 MSD

Matrix: Solid

Analysis Batch: 53842

Client Sample ID: LLI01-14NW-0602-SSXX

Prep Type: Total/NA

Prep Batch: 53534

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	1100	U	52000	35000	F	ug/Kg	✱	67	75 - 125	14	20
Arsenic	5800		208000	186000		ug/Kg	✱	87	75 - 125	6	20
Copper	99000		26000	155000	F	ug/Kg	✱	216	75 - 125	27	20
Iron	8200000		104000	15100000	4 F	ug/Kg	✱	6573	75 - 125	42	20
Lead	13000		52000	61900		ug/Kg	✱	93	75 - 125	2	20

Lab Sample ID: MB 240-53541/1-A

Matrix: Solid

Analysis Batch: 53842

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53541

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1000	U	1000	390	ug/Kg		08/07/12 12:23	08/09/12 23:19	1
Arsenic	1000	U	1000	300	ug/Kg		08/07/12 12:23	08/09/12 23:19	1
Copper	2500	U	2500	740	ug/Kg		08/07/12 12:23	08/09/12 23:19	1
Iron	12800		10000	4900	ug/Kg		08/07/12 12:23	08/09/12 23:19	1
Lead	300	U	300	190	ug/Kg		08/07/12 12:23	08/09/12 23:19	1

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

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

Lab Sample ID: LCS 240-53541/2-A

Matrix: Solid

Analysis Batch: 53842

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53541

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50000	46400		ug/Kg		93	80 - 120
Arsenic	200000	188000		ug/Kg		94	80 - 120
Copper	25000	25100		ug/Kg		100	80 - 120
Iron	100000	102000		ug/Kg		102	80 - 120
Lead	50000	48300		ug/Kg		97	80 - 120

Lab Sample ID: 240-13671-20 MS

Matrix: Solid

Analysis Batch: 53842

Client Sample ID: LLI01-15SW-0205-SSXX

Prep Type: Total/NA

Prep Batch: 53541

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	980	U	47700	32600	F	ug/Kg	✱	68	75 - 125
Arsenic	2000		191000	164000		ug/Kg	✱	85	75 - 125
Iron	5000000	B	95400	4930000	4	ug/Kg	✱	-79	75 - 125

Lab Sample ID: 240-13671-20 MS

Matrix: Solid

Analysis Batch: 54150

Client Sample ID: LLI01-15SW-0205-SSXX

Prep Type: Total/NA

Prep Batch: 53541

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Copper	4700000		23800	8880000	4	ug/Kg	✱	17676	75 - 125
Lead	2300		47700	50800		ug/Kg	✱	102	75 - 125

Lab Sample ID: 240-13671-20 MSD

Matrix: Solid

Analysis Batch: 53842

Client Sample ID: LLI01-15SW-0205-SSXX

Prep Type: Total/NA

Prep Batch: 53541

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	980	U	47700	30500	F	ug/Kg	✱	64	75 - 125	7	20
Arsenic	2000		191000	162000		ug/Kg	✱	84	75 - 125	1	20
Iron	5000000	B	95400	6860000	4 F	ug/Kg	✱	1947	75 - 125	33	20

Lab Sample ID: 240-13671-20 MSD

Matrix: Solid

Analysis Batch: 54150

Client Sample ID: LLI01-15SW-0205-SSXX

Prep Type: Total/NA

Prep Batch: 53541

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Copper	4700000		23800	4920000	4 F	ug/Kg	✱	1043	75 - 125	57	20
Lead	2300		47700	50200		ug/Kg	✱	100	75 - 125	1	20

Lab Sample ID: MB 240-53603/1-A

Matrix: Solid

Analysis Batch: 53842

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53603

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1000	U	1000	390	ug/Kg		08/08/12 11:01	08/09/12 14:54	1
Arsenic	1000	U	1000	300	ug/Kg		08/08/12 11:01	08/09/12 14:54	1
Copper	2500	U	2500	740	ug/Kg		08/08/12 11:01	08/09/12 14:54	1
Iron	10000	U	10000	4900	ug/Kg		08/08/12 11:01	08/09/12 14:54	1
Lead	194	J	300	190	ug/Kg		08/08/12 11:01	08/09/12 14:54	1

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

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

Lab Sample ID: LCS 240-53603/2-A

Matrix: Solid

Analysis Batch: 53842

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53603

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50000	46800		ug/Kg		94	80 - 120
Arsenic	200000	190000		ug/Kg		95	80 - 120
Copper	25000	25000		ug/Kg		100	80 - 120
Iron	100000	104000		ug/Kg		104	80 - 120
Lead	50000	49000		ug/Kg		98	80 - 120

Lab Sample ID: 240-13671-40 MS

Matrix: Solid

Analysis Batch: 53842

Client Sample ID: LLI01-11SW-0205-SSXX

Prep Type: Total/NA

Prep Batch: 53603

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	1000	U	52200	38000	F	ug/Kg	☼	73	75 - 125
Arsenic	850	J	209000	193000		ug/Kg	☼	92	75 - 125
Copper	2100	J	26100	27300		ug/Kg	☼	96	75 - 125
Iron	1600000		104000	1820000	4	ug/Kg	☼	242	75 - 125
Lead	1000	B	52200	50500		ug/Kg	☼	95	75 - 125

Lab Sample ID: 240-13671-40 MSD

Matrix: Solid

Analysis Batch: 53842

Client Sample ID: LLI01-11SW-0205-SSXX

Prep Type: Total/NA

Prep Batch: 53603

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	1000	U	52200	40800		ug/Kg	☼	78	75 - 125	7	20
Arsenic	850	J	209000	190000		ug/Kg	☼	91	75 - 125	1	20
Copper	2100	J	26100	27000		ug/Kg	☼	95	75 - 125	1	20
Iron	1600000		104000	1590000	4	ug/Kg	☼	19	75 - 125	14	20
Lead	1000	B	52200	49800		ug/Kg	☼	93	75 - 125	2	20

Lab Sample ID: MB 240-53613/1-A

Matrix: Solid

Analysis Batch: 53842

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53613

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1000	U	1000	390	ug/Kg		08/08/12 11:35	08/09/12 17:38	1
Arsenic	1000	U	1000	300	ug/Kg		08/08/12 11:35	08/09/12 17:38	1
Copper	2500	U	2500	740	ug/Kg		08/08/12 11:35	08/09/12 17:38	1
Iron	10000	U	10000	4900	ug/Kg		08/08/12 11:35	08/09/12 17:38	1
Lead	300	U	300	190	ug/Kg		08/08/12 11:35	08/09/12 17:38	1

Lab Sample ID: LCS 240-53613/2-A

Matrix: Solid

Analysis Batch: 53842

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53613

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50000	46700		ug/Kg		93	80 - 120
Arsenic	200000	190000		ug/Kg		95	80 - 120
Copper	25000	25100		ug/Kg		100	80 - 120
Iron	100000	104000		ug/Kg		104	80 - 120
Lead	50000	48400		ug/Kg		97	80 - 120

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

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

Lab Sample ID: 240-13671-65 MS

Matrix: Solid

Analysis Batch: 53842

Client Sample ID: LLI01-19NW-0205-SSXX

Prep Type: Total/NA

Prep Batch: 53613

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	640	J	50300	27600	F	ug/Kg	☼	54	75 - 125
Arsenic	2000		201000	175000		ug/Kg	☼	86	75 - 125
Copper	3200000		25100	3640000	4	ug/Kg	☼	1608	75 - 125
Iron	15000000		101000	11100000	4	ug/Kg	☼	-3625	75 - 125

Lab Sample ID: 240-13671-65 MS

Matrix: Solid

Analysis Batch: 54150

Client Sample ID: LLI01-19NW-0205-SSXX

Prep Type: Total/NA

Prep Batch: 53613

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	3000		50300	50600		ug/Kg	☼	95	75 - 125

Lab Sample ID: 240-13671-65 MSD

Matrix: Solid

Analysis Batch: 53842

Client Sample ID: LLI01-19NW-0205-SSXX

Prep Type: Total/NA

Prep Batch: 53613

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Antimony	640	J	50300	25500	F	ug/Kg	☼	49	75 - 125	8	20
Arsenic	2000		201000	166000		ug/Kg	☼	81	75 - 125	5	20
Copper	3200000		25100	3740000	4	ug/Kg	☼	2001	75 - 125	3	20
Iron	15000000		101000	10900000	4	ug/Kg	☼	-3798	75 - 125	2	20

Lab Sample ID: 240-13671-65 MSD

Matrix: Solid

Analysis Batch: 54150

Client Sample ID: LLI01-19NW-0205-SSXX

Prep Type: Total/NA

Prep Batch: 53613

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Lead	3000		50300	49700		ug/Kg	☼	93	75 - 125	2	20

Lab Sample ID: MB 240-53617/1-A

Matrix: Solid

Analysis Batch: 53842

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53617

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1000	U	1000	390	ug/Kg		08/08/12 11:55	08/09/12 20:34	1
Arsenic	1000	U	1000	300	ug/Kg		08/08/12 11:55	08/09/12 20:34	1
Copper	921	J	2500	740	ug/Kg		08/08/12 11:55	08/09/12 20:34	1
Iron	10000	U	10000	4900	ug/Kg		08/08/12 11:55	08/09/12 20:34	1
Lead	300	U	300	190	ug/Kg		08/08/12 11:55	08/09/12 20:34	1

Lab Sample ID: LCS 240-53617/2-A

Matrix: Solid

Analysis Batch: 53842

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53617

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50000	44900		ug/Kg		90	80 - 120
Arsenic	200000	183000		ug/Kg		92	80 - 120
Copper	25000	24000		ug/Kg		96	80 - 120
Iron	100000	93800		ug/Kg		94	80 - 120
Lead	50000	47100		ug/Kg		94	80 - 120

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

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

Lab Sample ID: 240-13671-90 MS

Matrix: Solid

Analysis Batch: 53842

Client Sample ID: LLI01-20SW-0602-SSXX

Prep Type: Total/NA

Prep Batch: 53617

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	500	J	53100	24000	F	ug/Kg	✱	44	75 - 125
Arsenic	12000		212000	202000		ug/Kg	✱	89	75 - 125
Copper	130000	B	26600	137000	4	ug/Kg	✱	36	75 - 125
Iron	26000000		106000	24900000	4	ug/Kg	✱	-557	75 - 125
Lead	19000		53100	62000		ug/Kg	✱	82	75 - 125

Lab Sample ID: 240-13671-90 MSD

Matrix: Solid

Analysis Batch: 53842

Client Sample ID: LLI01-20SW-0602-SSXX

Prep Type: Total/NA

Prep Batch: 53617

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	500	J	53100	22100	F	ug/Kg	✱	41	75 - 125	8	20
Arsenic	12000		212000	202000		ug/Kg	✱	89	75 - 125	0	20
Copper	130000	B	26600	174000	4 F	ug/Kg	✱	176	75 - 125	24	20
Iron	26000000		106000	30700000	4 F	ug/Kg	✱	4878	75 - 125	21	20
Lead	19000		53100	64700		ug/Kg	✱	87	75 - 125	4	20

Lab Sample ID: MB 240-53618/1-A

Matrix: Solid

Analysis Batch: 54150

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53618

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	958	J	1000	390	ug/Kg		08/09/12 11:08	08/10/12 07:31	1
Arsenic	1000	U	1000	300	ug/Kg		08/09/12 11:08	08/10/12 07:31	1
Copper	2500	U	2500	740	ug/Kg		08/09/12 11:08	08/10/12 07:31	1
Iron	5090	J	10000	4900	ug/Kg		08/09/12 11:08	08/10/12 07:31	1
Lead	300	U	300	190	ug/Kg		08/09/12 11:08	08/10/12 07:31	1

Lab Sample ID: LCS 240-53618/2-A

Matrix: Solid

Analysis Batch: 54150

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53618

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50000	47600		ug/Kg		95	80 - 120
Arsenic	200000	190000		ug/Kg		95	80 - 120
Copper	25000	25000		ug/Kg		100	80 - 120
Iron	100000	105000		ug/Kg		105	80 - 120
Lead	50000	48300		ug/Kg		97	80 - 120

Lab Sample ID: 240-13671-106 MS

Matrix: Solid

Analysis Batch: 54150

Client Sample ID: LLI01-DP12-XXXX-SSFD

Prep Type: Total/NA

Prep Batch: 53618

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	1100	B	52100	34800	F	ug/Kg	✱	65	75 - 125
Arsenic	4600		208000	182000		ug/Kg	✱	85	75 - 125
Iron	6700000	B	104000	7040000	4	ug/Kg	✱	329	75 - 125

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

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

Lab Sample ID: 240-13671-106 MS

Matrix: Solid

Analysis Batch: 54150

Client Sample ID: LLI01-DP12-XXXX-SSFD

Prep Type: Total/NA

Prep Batch: 53618

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Copper	3600000		26100	6230000	4	ug/Kg	☼	9970	75 - 125
Lead	6100		52100	55600		ug/Kg	☼	95	75 - 125

Lab Sample ID: 240-13671-106 MSD

Matrix: Solid

Analysis Batch: 54150

Client Sample ID: LLI01-DP12-XXXX-SSFD

Prep Type: Total/NA

Prep Batch: 53618

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	1100	B	52100	39000	F	ug/Kg	☼	73	75 - 125	11	20
Arsenic	4600		208000	186000		ug/Kg	☼	87	75 - 125	2	20
Iron	6700000	B	104000	6500000	4	ug/Kg	☼	-188	75 - 125	8	20

Lab Sample ID: 240-13671-106 MSD

Matrix: Solid

Analysis Batch: 54150

Client Sample ID: LLI01-DP12-XXXX-SSFD

Prep Type: Total/NA

Prep Batch: 53618

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Copper	3600000		26100	4620000	4 F	ug/Kg	☼	3778	75 - 125	30	20
Lead	6100		52100	56800		ug/Kg	☼	97	75 - 125	2	20

Method: 9012 - Cyanide, Reactive

Lab Sample ID: MB 480-74970/2-A

Matrix: Solid

Analysis Batch: 74978

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 74970

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	10	U	10	0.0030	mg/Kg		08/02/12 16:20	08/03/12 01:33	1

Lab Sample ID: LCS 480-74970/1-A

Matrix: Solid

Analysis Batch: 74978

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 74970

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Reactive	1000	339		mg/Kg		34	10 - 100

Method: 9034 - Sulfide, Reactive

Lab Sample ID: MB 480-74972/2-A

Matrix: Solid

Analysis Batch: 75148

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 74972

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	2.00	J	10	0.57	mg/Kg		08/02/12 16:20	08/03/12 23:10	1

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Method: 9034 - Sulfide, Reactive (Continued)

Lab Sample ID: LCS 480-74972/1-A

Matrix: Solid

Analysis Batch: 75148

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 74972

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide, Reactive	1000	651		mg/Kg		65	10 - 100

Method: 9045C - pH

Lab Sample ID: LCS 240-52980/5

Matrix: Solid

Analysis Batch: 52980

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
pH	7.49	7.480		SU		100	97 - 103

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Metals

Prep Batch: 53534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13671-1	LLI01-14SW-0006-SSXX	Total/NA	Solid	3050B	
240-13671-2	LLI01-14SW-0602-SSXX	Total/NA	Solid	3050B	
240-13671-3	LLI01-14SW-0205-SSXX	Total/NA	Solid	3050B	
240-13671-4	LLI01-14NW-0006-SSXX	Total/NA	Solid	3050B	
240-13671-5	LLI01-14NW-0602-SSXX	Total/NA	Solid	3050B	
240-13671-5 MS	LLI01-14NW-0602-SSXX	Total/NA	Solid	3050B	
240-13671-5 MSD	LLI01-14NW-0602-SSXX	Total/NA	Solid	3050B	
LCS 240-53534/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 240-53534/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 53541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13671-6	LLI01-14NW-0205-SSXX	Total/NA	Solid	3050B	
240-13671-7	LLI01-14SE-0006-SSXX	Total/NA	Solid	3050B	
240-13671-8	LLI01-14SE-0602-SSXX	Total/NA	Solid	3050B	
240-13671-9	LLI01-14SE-0205-SSXX	Total/NA	Solid	3050B	
240-13671-10	LLI01-14NE-0006-SSXX	Total/NA	Solid	3050B	
240-13671-11	LLI01-14NE-0602-SSXX	Total/NA	Solid	3050B	
240-13671-12	LLI01-14NE-0205-SSXX	Total/NA	Solid	3050B	
240-13671-15	LLI01-15NW-0006-SSXX	Total/NA	Solid	3050B	
240-13671-16	LLI01-15NW-0602-SSXX	Total/NA	Solid	3050B	
240-13671-17	LLI01-15NW-0205-SSXX	Total/NA	Solid	3050B	
240-13671-18	LLI01-15SW-0006-SSXX	Total/NA	Solid	3050B	
240-13671-19	LLI01-15SW-0602-SSXX	Total/NA	Solid	3050B	
240-13671-20	LLI01-15SW-0205-SSXX	Total/NA	Solid	3050B	
240-13671-20 MS	LLI01-15SW-0205-SSXX	Total/NA	Solid	3050B	
240-13671-20 MSD	LLI01-15SW-0205-SSXX	Total/NA	Solid	3050B	
240-13671-23	LLI01-17SE-0006-SSXX	Total/NA	Solid	3050B	
240-13671-24	LLI01-17SE-0602-SSXX	Total/NA	Solid	3050B	
240-13671-25	LLI01-17NE-0006-SSXX	Total/NA	Solid	3050B	
240-13671-26	LLI01-17NE-0602-SSXX	Total/NA	Solid	3050B	
240-13671-27	LLI01-17SW-0006-SSXX	Total/NA	Solid	3050B	
240-13671-30	LLI01-11NW-0006-SSXX	Total/NA	Solid	3050B	
240-13671-31	LLI01-11NW-0602-SSXX	Total/NA	Solid	3050B	
LCS 240-53541/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 240-53541/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 53603

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13671-32	LLI01-11NE-0006-SSXX	Total/NA	Solid	3050B	
240-13671-33	LLI01-11NE-0602-SSXX	Total/NA	Solid	3050B	
240-13671-34	LLI01-11NE-0205-SSXX	Total/NA	Solid	3050B	
240-13671-35	LLI01-11SE-0006-SSXX	Total/NA	Solid	3050B	
240-13671-36	LLI01-11SE-0602-SSXX	Total/NA	Solid	3050B	
240-13671-37	LLI01-11SE-0205-SSXX	Total/NA	Solid	3050B	
240-13671-38	LLI01-11SW-0006-SSXX	Total/NA	Solid	3050B	
240-13671-39	LLI01-11SW-0602-SSXX	Total/NA	Solid	3050B	
240-13671-40	LLI01-11SW-0205-SSXX	Total/NA	Solid	3050B	
240-13671-40 MS	LLI01-11SW-0205-SSXX	Total/NA	Solid	3050B	
240-13671-40 MSD	LLI01-11SW-0205-SSXX	Total/NA	Solid	3050B	
240-13671-43	LLI01-18SW-0006-SSXX	Total/NA	Solid	3050B	
240-13671-44	LLI01-18SW-0602-SSXX	Total/NA	Solid	3050B	

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Metals (Continued)

Prep Batch: 53603 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13671-45	LLI01-18SW-0205-SSXX	Total/NA	Solid	3050B	
240-13671-46	LLI01-18NW-0006-SSXX	Total/NA	Solid	3050B	
240-13671-47	LLI01-18NW-0602-SSXX	Total/NA	Solid	3050B	
240-13671-48	LLI01-18NW-0205-SSXX	Total/NA	Solid	3050B	
240-13671-49	LLI01-18SE-0006-SSXX	Total/NA	Solid	3050B	
240-13671-50	LLI01-18SE-0602-SSXX	Total/NA	Solid	3050B	
240-13671-51	LLI01-18SE-0205-SSXX	Total/NA	Solid	3050B	
240-13671-52	LLI01-18NE-0006-SSXX	Total/NA	Solid	3050B	
240-13671-53	LLI01-18NE-0602-SSXX	Total/NA	Solid	3050B	
LCS 240-53603/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 240-53603/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 53613

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13671-54	LLI01-18NE-0205-SSXX	Total/NA	Solid	3050B	
240-13671-57	LLI01-19SW-0006-SSXX	Total/NA	Solid	3050B	
240-13671-58	LLI01-19SW-0602-SSXX	Total/NA	Solid	3050B	
240-13671-59	LLI01-19SW-0205-SSXX	Total/NA	Solid	3050B	
240-13671-60	LLI01-19SE-0006-SSXX	Total/NA	Solid	3050B	
240-13671-61	LLI01-19SE-0602-SSXX	Total/NA	Solid	3050B	
240-13671-62	LLI01-19SE-0205-SSXX	Total/NA	Solid	3050B	
240-13671-63	LLI01-19NW-0006-SSXX	Total/NA	Solid	3050B	
240-13671-64	LLI01-19NW-0602-SSXX	Total/NA	Solid	3050B	
240-13671-65	LLI01-19NW-0205-SSXX	Total/NA	Solid	3050B	
240-13671-65 MS	LLI01-19NW-0205-SSXX	Total/NA	Solid	3050B	
240-13671-65 MSD	LLI01-19NW-0205-SSXX	Total/NA	Solid	3050B	
240-13671-68	LLI01-28SW-0006-SSXX	Total/NA	Solid	3050B	
240-13671-69	LLI01-28SW-0602-SSXX	Total/NA	Solid	3050B	
240-13671-70	LLI01-28SW-0205-SSXX	Total/NA	Solid	3050B	
240-13671-71	LLI01-28SE-0006-SSXX	Total/NA	Solid	3050B	
240-13671-72	LLI01-28SE-0602-SSXX	Total/NA	Solid	3050B	
240-13671-73	LLI01-28SE-0205-SSXX	Total/NA	Solid	3050B	
240-13671-74	LLI01-28NE-0006-SSXX	Total/NA	Solid	3050B	
240-13671-75	LLI01-28NE-0602-SSXX	Total/NA	Solid	3050B	
240-13671-76	LLI01-28NW-0006-SSXX	Total/NA	Solid	3050B	
240-13671-77	LLI01-28NW-0602-SSXX	Total/NA	Solid	3050B	
LCS 240-53613/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 240-53613/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 53617

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13671-78	LLI01-28NW-0205-SSXX	Total/NA	Solid	3050B	
240-13671-81	LLI01-27XX-0006-SSXX	Total/NA	Solid	3050B	
240-13671-82	LLI01-27XX-0602-SSXX	Total/NA	Solid	3050B	
240-13671-83	LLI01-27XX-0205-SSXX	Total/NA	Solid	3050B	
240-13671-86	LLI01-20NE-0006-SSXX	Total/NA	Solid	3050B	
240-13671-87	LLI01-20NE-0602-SSXX	Total/NA	Solid	3050B	
240-13671-88	LLI01-20NE-0205-SSXX	Total/NA	Solid	3050B	
240-13671-89	LLI01-20SW-0006-SSXX	Total/NA	Solid	3050B	
240-13671-90	LLI01-20SW-0602-SSXX	Total/NA	Solid	3050B	
240-13671-90 MS	LLI01-20SW-0602-SSXX	Total/NA	Solid	3050B	
240-13671-90 MSD	LLI01-20SW-0602-SSXX	Total/NA	Solid	3050B	

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Metals (Continued)

Prep Batch: 53617 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13671-91	LLI01-20SW-0205-SSXX	Total/NA	Solid	3050B	
240-13671-92	LLI01-20SE-0006-SSXX	Total/NA	Solid	3050B	
240-13671-93	LLI01-20SE-0602-SSXX	Total/NA	Solid	3050B	
240-13671-94	LLI01-20SE-0205-SSXX	Total/NA	Solid	3050B	
240-13671-97	LLI01-21NW-0006-SSXX	Total/NA	Solid	3050B	
240-13671-98	LLI01-21NW-0602-SSXX	Total/NA	Solid	3050B	
240-13671-99	LLI01-21NW-0205-SSXX	Total/NA	Solid	3050B	
240-13671-100	LLI01-21SW-0006-SSXX	Total/NA	Solid	3050B	
240-13671-101	LLI01-21SW-0602-SSXX	Total/NA	Solid	3050B	
240-13671-102	LLI01-21SW-0205-SSXX	Total/NA	Solid	3050B	
240-13671-105	LLI01-DP11-XXXX-SSFD	Total/NA	Solid	3050B	
LCS 240-53617/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 240-53617/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 53618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13671-106	LLI01-DP12-XXXX-SSFD	Total/NA	Solid	3050B	
240-13671-106 MS	LLI01-DP12-XXXX-SSFD	Total/NA	Solid	3050B	
240-13671-106 MSD	LLI01-DP12-XXXX-SSFD	Total/NA	Solid	3050B	
240-13671-107	LLI01-DP13-XXXX-SSFD	Total/NA	Solid	3050B	
240-13671-108	LLI01-DP14-XXXX-SSFD	Total/NA	Solid	3050B	
240-13671-109	LLI01-DP15-XXXX-SSFD	Total/NA	Solid	3050B	
240-13671-110	LLI01-DP16-XXXX-SSFD	Total/NA	Solid	3050B	
240-13671-111	LLI01-DP17-XXXX-SSFD	Total/NA	Solid	3050B	
240-13671-112	LLI01-DP18-XXXX-SSFD	Total/NA	Solid	3050B	
240-13671-113	LLI01-DP19-XXXX-SSFD	Total/NA	Solid	3050B	
240-13671-114	LLI01-DP20-XXXX-SSFD	Total/NA	Solid	3050B	
LCS 240-53618/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 240-53618/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 53842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13671-1	LLI01-14SW-0006-SSXX	Total/NA	Solid	6010B	53534
240-13671-2	LLI01-14SW-0602-SSXX	Total/NA	Solid	6010B	53534
240-13671-3	LLI01-14SW-0205-SSXX	Total/NA	Solid	6010B	53534
240-13671-4	LLI01-14NW-0006-SSXX	Total/NA	Solid	6010B	53534
240-13671-5	LLI01-14NW-0602-SSXX	Total/NA	Solid	6010B	53534
240-13671-5 MS	LLI01-14NW-0602-SSXX	Total/NA	Solid	6010B	53534
240-13671-5 MSD	LLI01-14NW-0602-SSXX	Total/NA	Solid	6010B	53534
240-13671-6	LLI01-14NW-0205-SSXX	Total/NA	Solid	6010B	53541
240-13671-7	LLI01-14SE-0006-SSXX	Total/NA	Solid	6010B	53541
240-13671-8	LLI01-14SE-0602-SSXX	Total/NA	Solid	6010B	53541
240-13671-9	LLI01-14SE-0205-SSXX	Total/NA	Solid	6010B	53541
240-13671-10	LLI01-14NE-0006-SSXX	Total/NA	Solid	6010B	53541
240-13671-11	LLI01-14NE-0602-SSXX	Total/NA	Solid	6010B	53541
240-13671-12	LLI01-14NE-0205-SSXX	Total/NA	Solid	6010B	53541
240-13671-15	LLI01-15NW-0006-SSXX	Total/NA	Solid	6010B	53541
240-13671-16	LLI01-15NW-0602-SSXX	Total/NA	Solid	6010B	53541
240-13671-17	LLI01-15NW-0205-SSXX	Total/NA	Solid	6010B	53541
240-13671-18	LLI01-15SW-0006-SSXX	Total/NA	Solid	6010B	53541
240-13671-19	LLI01-15SW-0602-SSXX	Total/NA	Solid	6010B	53541
240-13671-20	LLI01-15SW-0205-SSXX	Total/NA	Solid	6010B	53541

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Metals (Continued)

Analysis Batch: 53842 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13671-20 MS	LLI01-15SW-0205-SSXX	Total/NA	Solid	6010B	53541
240-13671-20 MSD	LLI01-15SW-0205-SSXX	Total/NA	Solid	6010B	53541
240-13671-23	LLI01-17SE-0006-SSXX	Total/NA	Solid	6010B	53541
240-13671-24	LLI01-17SE-0602-SSXX	Total/NA	Solid	6010B	53541
240-13671-25	LLI01-17NE-0006-SSXX	Total/NA	Solid	6010B	53541
240-13671-26	LLI01-17NE-0602-SSXX	Total/NA	Solid	6010B	53541
240-13671-27	LLI01-17SW-0006-SSXX	Total/NA	Solid	6010B	53541
240-13671-30	LLI01-11NW-0006-SSXX	Total/NA	Solid	6010B	53541
240-13671-31	LLI01-11NW-0602-SSXX	Total/NA	Solid	6010B	53541
240-13671-32	LLI01-11NE-0006-SSXX	Total/NA	Solid	6010B	53603
240-13671-33	LLI01-11NE-0602-SSXX	Total/NA	Solid	6010B	53603
240-13671-34	LLI01-11NE-0205-SSXX	Total/NA	Solid	6010B	53603
240-13671-35	LLI01-11SE-0006-SSXX	Total/NA	Solid	6010B	53603
240-13671-36	LLI01-11SE-0602-SSXX	Total/NA	Solid	6010B	53603
240-13671-37	LLI01-11SE-0205-SSXX	Total/NA	Solid	6010B	53603
240-13671-38	LLI01-11SW-0006-SSXX	Total/NA	Solid	6010B	53603
240-13671-39	LLI01-11SW-0602-SSXX	Total/NA	Solid	6010B	53603
240-13671-40	LLI01-11SW-0205-SSXX	Total/NA	Solid	6010B	53603
240-13671-40 MS	LLI01-11SW-0205-SSXX	Total/NA	Solid	6010B	53603
240-13671-40 MSD	LLI01-11SW-0205-SSXX	Total/NA	Solid	6010B	53603
240-13671-43	LLI01-18SW-0006-SSXX	Total/NA	Solid	6010B	53603
240-13671-44	LLI01-18SW-0602-SSXX	Total/NA	Solid	6010B	53603
240-13671-45	LLI01-18SW-0205-SSXX	Total/NA	Solid	6010B	53603
240-13671-46	LLI01-18NW-0006-SSXX	Total/NA	Solid	6010B	53603
240-13671-47	LLI01-18NW-0602-SSXX	Total/NA	Solid	6010B	53603
240-13671-48	LLI01-18NW-0205-SSXX	Total/NA	Solid	6010B	53603
240-13671-49	LLI01-18SE-0006-SSXX	Total/NA	Solid	6010B	53603
240-13671-50	LLI01-18SE-0602-SSXX	Total/NA	Solid	6010B	53603
240-13671-51	LLI01-18SE-0205-SSXX	Total/NA	Solid	6010B	53603
240-13671-52	LLI01-18NE-0006-SSXX	Total/NA	Solid	6010B	53603
240-13671-53	LLI01-18NE-0602-SSXX	Total/NA	Solid	6010B	53603
240-13671-54	LLI01-18NE-0205-SSXX	Total/NA	Solid	6010B	53613
240-13671-57	LLI01-19SW-0006-SSXX	Total/NA	Solid	6010B	53613
240-13671-58	LLI01-19SW-0602-SSXX	Total/NA	Solid	6010B	53613
240-13671-59	LLI01-19SW-0205-SSXX	Total/NA	Solid	6010B	53613
240-13671-60	LLI01-19SE-0006-SSXX	Total/NA	Solid	6010B	53613
240-13671-61	LLI01-19SE-0602-SSXX	Total/NA	Solid	6010B	53613
240-13671-62	LLI01-19SE-0205-SSXX	Total/NA	Solid	6010B	53613
240-13671-63	LLI01-19NW-0006-SSXX	Total/NA	Solid	6010B	53613
240-13671-64	LLI01-19NW-0602-SSXX	Total/NA	Solid	6010B	53613
240-13671-65	LLI01-19NW-0205-SSXX	Total/NA	Solid	6010B	53613
240-13671-65 MS	LLI01-19NW-0205-SSXX	Total/NA	Solid	6010B	53613
240-13671-65 MSD	LLI01-19NW-0205-SSXX	Total/NA	Solid	6010B	53613
240-13671-68	LLI01-28SW-0006-SSXX	Total/NA	Solid	6010B	53613
240-13671-69	LLI01-28SW-0602-SSXX	Total/NA	Solid	6010B	53613
240-13671-70	LLI01-28SW-0205-SSXX	Total/NA	Solid	6010B	53613
240-13671-71	LLI01-28SE-0006-SSXX	Total/NA	Solid	6010B	53613
240-13671-72	LLI01-28SE-0602-SSXX	Total/NA	Solid	6010B	53613
240-13671-73	LLI01-28SE-0205-SSXX	Total/NA	Solid	6010B	53613
240-13671-74	LLI01-28NE-0006-SSXX	Total/NA	Solid	6010B	53613
240-13671-75	LLI01-28NE-0602-SSXX	Total/NA	Solid	6010B	53613
240-13671-76	LLI01-28NW-0006-SSXX	Total/NA	Solid	6010B	53613

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Metals (Continued)

Analysis Batch: 53842 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13671-77	LLI01-28NW-0602-SSXX	Total/NA	Solid	6010B	53613
240-13671-78	LLI01-28NW-0205-SSXX	Total/NA	Solid	6010B	53617
240-13671-81	LLI01-27XX-0006-SSXX	Total/NA	Solid	6010B	53617
240-13671-82	LLI01-27XX-0602-SSXX	Total/NA	Solid	6010B	53617
240-13671-83	LLI01-27XX-0205-SSXX	Total/NA	Solid	6010B	53617
240-13671-86	LLI01-20NE-0006-SSXX	Total/NA	Solid	6010B	53617
240-13671-87	LLI01-20NE-0602-SSXX	Total/NA	Solid	6010B	53617
240-13671-88	LLI01-20NE-0205-SSXX	Total/NA	Solid	6010B	53617
240-13671-89	LLI01-20SW-0006-SSXX	Total/NA	Solid	6010B	53617
240-13671-90	LLI01-20SW-0602-SSXX	Total/NA	Solid	6010B	53617
240-13671-90 MS	LLI01-20SW-0602-SSXX	Total/NA	Solid	6010B	53617
240-13671-90 MSD	LLI01-20SW-0602-SSXX	Total/NA	Solid	6010B	53617
240-13671-91	LLI01-20SW-0205-SSXX	Total/NA	Solid	6010B	53617
240-13671-92	LLI01-20SE-0006-SSXX	Total/NA	Solid	6010B	53617
240-13671-93	LLI01-20SE-0602-SSXX	Total/NA	Solid	6010B	53617
240-13671-94	LLI01-20SE-0205-SSXX	Total/NA	Solid	6010B	53617
240-13671-97	LLI01-21NW-0006-SSXX	Total/NA	Solid	6010B	53617
240-13671-98	LLI01-21NW-0602-SSXX	Total/NA	Solid	6010B	53617
240-13671-99	LLI01-21NW-0205-SSXX	Total/NA	Solid	6010B	53617
240-13671-100	LLI01-21SW-0006-SSXX	Total/NA	Solid	6010B	53617
240-13671-101	LLI01-21SW-0602-SSXX	Total/NA	Solid	6010B	53617
240-13671-102	LLI01-21SW-0205-SSXX	Total/NA	Solid	6010B	53617
240-13671-105	LLI01-DP11-XXXX-SSFD	Total/NA	Solid	6010B	53617
LCS 240-53534/2-A	Lab Control Sample	Total/NA	Solid	6010B	53534
LCS 240-53541/2-A	Lab Control Sample	Total/NA	Solid	6010B	53541
LCS 240-53603/2-A	Lab Control Sample	Total/NA	Solid	6010B	53603
LCS 240-53613/2-A	Lab Control Sample	Total/NA	Solid	6010B	53613
LCS 240-53617/2-A	Lab Control Sample	Total/NA	Solid	6010B	53617
MB 240-53534/1-A	Method Blank	Total/NA	Solid	6010B	53534
MB 240-53541/1-A	Method Blank	Total/NA	Solid	6010B	53541
MB 240-53603/1-A	Method Blank	Total/NA	Solid	6010B	53603
MB 240-53613/1-A	Method Blank	Total/NA	Solid	6010B	53613
MB 240-53617/1-A	Method Blank	Total/NA	Solid	6010B	53617

Analysis Batch: 54150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13671-8	LLI01-14SE-0602-SSXX	Total/NA	Solid	6010B	53541
240-13671-9	LLI01-14SE-0205-SSXX	Total/NA	Solid	6010B	53541
240-13671-10	LLI01-14NE-0006-SSXX	Total/NA	Solid	6010B	53541
240-13671-11	LLI01-14NE-0602-SSXX	Total/NA	Solid	6010B	53541
240-13671-19	LLI01-15SW-0602-SSXX	Total/NA	Solid	6010B	53541
240-13671-19	LLI01-15SW-0602-SSXX	Total/NA	Solid	6010B	53541
240-13671-20 MS	LLI01-15SW-0205-SSXX	Total/NA	Solid	6010B	53541
240-13671-20 MSD	LLI01-15SW-0205-SSXX	Total/NA	Solid	6010B	53541
240-13671-23	LLI01-17SE-0006-SSXX	Total/NA	Solid	6010B	53541
240-13671-38	LLI01-11SW-0006-SSXX	Total/NA	Solid	6010B	53603
240-13671-51	LLI01-18SE-0205-SSXX	Total/NA	Solid	6010B	53603
240-13671-51	LLI01-18SE-0205-SSXX	Total/NA	Solid	6010B	53603
240-13671-52	LLI01-18NE-0006-SSXX	Total/NA	Solid	6010B	53603
240-13671-59	LLI01-19SW-0205-SSXX	Total/NA	Solid	6010B	53613
240-13671-60	LLI01-19SE-0006-SSXX	Total/NA	Solid	6010B	53613
240-13671-61	LLI01-19SE-0602-SSXX	Total/NA	Solid	6010B	53613

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Metals (Continued)

Analysis Batch: 54150 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13671-65	LLI01-19NW-0205-SSXX	Total/NA	Solid	6010B	53613
240-13671-65 MS	LLI01-19NW-0205-SSXX	Total/NA	Solid	6010B	53613
240-13671-65 MSD	LLI01-19NW-0205-SSXX	Total/NA	Solid	6010B	53613
240-13671-69	LLI01-28SW-0602-SSXX	Total/NA	Solid	6010B	53613
240-13671-70	LLI01-28SW-0205-SSXX	Total/NA	Solid	6010B	53613
240-13671-71	LLI01-28SE-0006-SSXX	Total/NA	Solid	6010B	53613
240-13671-73	LLI01-28SE-0205-SSXX	Total/NA	Solid	6010B	53613
240-13671-76	LLI01-28NW-0006-SSXX	Total/NA	Solid	6010B	53613
240-13671-81	LLI01-27XX-0006-SSXX	Total/NA	Solid	6010B	53617
240-13671-86	LLI01-20NE-0006-SSXX	Total/NA	Solid	6010B	53617
240-13671-92	LLI01-20SE-0006-SSXX	Total/NA	Solid	6010B	53617
240-13671-92	LLI01-20SE-0006-SSXX	Total/NA	Solid	6010B	53617
240-13671-100	LLI01-21SW-0006-SSXX	Total/NA	Solid	6010B	53617
240-13671-101	LLI01-21SW-0602-SSXX	Total/NA	Solid	6010B	53617
240-13671-106	LLI01-DP12-XXXX-SSFD	Total/NA	Solid	6010B	53618
240-13671-106 MS	LLI01-DP12-XXXX-SSFD	Total/NA	Solid	6010B	53618
240-13671-106 MS	LLI01-DP12-XXXX-SSFD	Total/NA	Solid	6010B	53618
240-13671-106 MSD	LLI01-DP12-XXXX-SSFD	Total/NA	Solid	6010B	53618
240-13671-106 MSD	LLI01-DP12-XXXX-SSFD	Total/NA	Solid	6010B	53618
240-13671-107	LLI01-DP13-XXXX-SSFD	Total/NA	Solid	6010B	53618
240-13671-107	LLI01-DP13-XXXX-SSFD	Total/NA	Solid	6010B	53618
240-13671-108	LLI01-DP14-XXXX-SSFD	Total/NA	Solid	6010B	53618
240-13671-109	LLI01-DP15-XXXX-SSFD	Total/NA	Solid	6010B	53618
240-13671-110	LLI01-DP16-XXXX-SSFD	Total/NA	Solid	6010B	53618
240-13671-110	LLI01-DP16-XXXX-SSFD	Total/NA	Solid	6010B	53618
240-13671-111	LLI01-DP17-XXXX-SSFD	Total/NA	Solid	6010B	53618
240-13671-111	LLI01-DP17-XXXX-SSFD	Total/NA	Solid	6010B	53618
240-13671-112	LLI01-DP18-XXXX-SSFD	Total/NA	Solid	6010B	53618
240-13671-113	LLI01-DP19-XXXX-SSFD	Total/NA	Solid	6010B	53618
240-13671-113	LLI01-DP19-XXXX-SSFD	Total/NA	Solid	6010B	53618
240-13671-114	LLI01-DP20-XXXX-SSFD	Total/NA	Solid	6010B	53618
LCS 240-53618/2-A	Lab Control Sample	Total/NA	Solid	6010B	53618
MB 240-53618/1-A	Method Blank	Total/NA	Solid	6010B	53618

General Chemistry

Analysis Batch: 52965

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13671-1	LLI01-14SW-0006-SSXX	Total/NA	Solid	Moisture	
240-13671-2	LLI01-14SW-0602-SSXX	Total/NA	Solid	Moisture	
240-13671-3	LLI01-14SW-0205-SSXX	Total/NA	Solid	Moisture	
240-13671-4	LLI01-14NW-0006-SSXX	Total/NA	Solid	Moisture	
240-13671-5	LLI01-14NW-0602-SSXX	Total/NA	Solid	Moisture	
240-13671-5 DU	LLI01-14NW-0602-SSXX	Total/NA	Solid	Moisture	
240-13671-6	LLI01-14NW-0205-SSXX	Total/NA	Solid	Moisture	
240-13671-7	LLI01-14SE-0006-SSXX	Total/NA	Solid	Moisture	
240-13671-8	LLI01-14SE-0602-SSXX	Total/NA	Solid	Moisture	
240-13671-9	LLI01-14SE-0205-SSXX	Total/NA	Solid	Moisture	
240-13671-10	LLI01-14NE-0006-SSXX	Total/NA	Solid	Moisture	
240-13671-10 DU	LLI01-14NE-0006-SSXX	Total/NA	Solid	Moisture	
240-13671-11	LLI01-14NE-0602-SSXX	Total/NA	Solid	Moisture	
240-13671-12	LLI01-14NE-0205-SSXX	Total/NA	Solid	Moisture	

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

General Chemistry (Continued)

Analysis Batch: 52965 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13671-13	LLI01-14XX-0006-SSWC	Total/NA	Solid	Moisture	
240-13671-14	LLI01-14XX-0602-SSWC	Total/NA	Solid	Moisture	
240-13671-15	LLI01-15NW-0006-SSXX	Total/NA	Solid	Moisture	
240-13671-16	LLI01-15NW-0602-SSXX	Total/NA	Solid	Moisture	
240-13671-17	LLI01-15NW-0205-SSXX	Total/NA	Solid	Moisture	
240-13671-18	LLI01-15SW-0006-SSXX	Total/NA	Solid	Moisture	
240-13671-19	LLI01-15SW-0602-SSXX	Total/NA	Solid	Moisture	
240-13671-19 DU	LLI01-15SW-0602-SSXX	Total/NA	Solid	Moisture	
240-13671-20	LLI01-15SW-0205-SSXX	Total/NA	Solid	Moisture	
240-13671-20 DU	LLI01-15SW-0205-SSXX	Total/NA	Solid	Moisture	
240-13671-23	LLI01-17SE-0006-SSXX	Total/NA	Solid	Moisture	
240-13671-24	LLI01-17SE-0602-SSXX	Total/NA	Solid	Moisture	
240-13671-25	LLI01-17NE-0006-SSXX	Total/NA	Solid	Moisture	
240-13671-26	LLI01-17NE-0602-SSXX	Total/NA	Solid	Moisture	
240-13671-27	LLI01-17SW-0006-SSXX	Total/NA	Solid	Moisture	
240-13671-30	LLI01-11NW-0006-SSXX	Total/NA	Solid	Moisture	
240-13671-31	LLI01-11NW-0602-SSXX	Total/NA	Solid	Moisture	
240-13671-32	LLI01-11NE-0006-SSXX	Total/NA	Solid	Moisture	
240-13671-33	LLI01-11NE-0602-SSXX	Total/NA	Solid	Moisture	
240-13671-34	LLI01-11NE-0205-SSXX	Total/NA	Solid	Moisture	
240-13671-35	LLI01-11SE-0006-SSXX	Total/NA	Solid	Moisture	
240-13671-36	LLI01-11SE-0602-SSXX	Total/NA	Solid	Moisture	
240-13671-37	LLI01-11SE-0205-SSXX	Total/NA	Solid	Moisture	
240-13671-37 DU	LLI01-11SE-0205-SSXX	Total/NA	Solid	Moisture	
240-13671-38	LLI01-11SW-0006-SSXX	Total/NA	Solid	Moisture	
240-13671-39	LLI01-11SW-0602-SSXX	Total/NA	Solid	Moisture	
240-13671-40	LLI01-11SW-0205-SSXX	Total/NA	Solid	Moisture	
240-13671-40 DU	LLI01-11SW-0205-SSXX	Total/NA	Solid	Moisture	
240-13671-43	LLI01-18SW-0006-SSXX	Total/NA	Solid	Moisture	
240-13671-44	LLI01-18SW-0602-SSXX	Total/NA	Solid	Moisture	
240-13671-45	LLI01-18SW-0205-SSXX	Total/NA	Solid	Moisture	
240-13671-46	LLI01-18NW-0006-SSXX	Total/NA	Solid	Moisture	
240-13671-47	LLI01-18NW-0602-SSXX	Total/NA	Solid	Moisture	
240-13671-48	LLI01-18NW-0205-SSXX	Total/NA	Solid	Moisture	
240-13671-49	LLI01-18SE-0006-SSXX	Total/NA	Solid	Moisture	
240-13671-50	LLI01-18SE-0602-SSXX	Total/NA	Solid	Moisture	
240-13671-51	LLI01-18SE-0205-SSXX	Total/NA	Solid	Moisture	
240-13671-52	LLI01-18NE-0006-SSXX	Total/NA	Solid	Moisture	
240-13671-53	LLI01-18NE-0602-SSXX	Total/NA	Solid	Moisture	
240-13671-54	LLI01-18NE-0205-SSXX	Total/NA	Solid	Moisture	
240-13671-57	LLI01-19SW-0006-SSXX	Total/NA	Solid	Moisture	
240-13671-57 DU	LLI01-19SW-0006-SSXX	Total/NA	Solid	Moisture	
240-13671-58	LLI01-19SW-0602-SSXX	Total/NA	Solid	Moisture	
240-13671-59	LLI01-19SW-0205-SSXX	Total/NA	Solid	Moisture	
240-13671-60	LLI01-19SE-0006-SSXX	Total/NA	Solid	Moisture	
240-13671-61	LLI01-19SE-0602-SSXX	Total/NA	Solid	Moisture	
240-13671-62	LLI01-19SE-0205-SSXX	Total/NA	Solid	Moisture	
240-13671-63	LLI01-19NW-0006-SSXX	Total/NA	Solid	Moisture	
240-13671-64	LLI01-19NW-0602-SSXX	Total/NA	Solid	Moisture	
240-13671-65	LLI01-19NW-0205-SSXX	Total/NA	Solid	Moisture	
240-13671-65 DU	LLI01-19NW-0205-SSXX	Total/NA	Solid	Moisture	
240-13671-68	LLI01-28SW-0006-SSXX	Total/NA	Solid	Moisture	

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

General Chemistry (Continued)

Analysis Batch: 52965 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13671-69	LLI01-28SW-0602-SSXX	Total/NA	Solid	Moisture	
240-13671-70	LLI01-28SW-0205-SSXX	Total/NA	Solid	Moisture	
240-13671-71	LLI01-28SE-0006-SSXX	Total/NA	Solid	Moisture	
240-13671-72	LLI01-28SE-0602-SSXX	Total/NA	Solid	Moisture	
240-13671-73	LLI01-28SE-0205-SSXX	Total/NA	Solid	Moisture	
240-13671-73 DU	LLI01-28SE-0205-SSXX	Total/NA	Solid	Moisture	
240-13671-74	LLI01-28NE-0006-SSXX	Total/NA	Solid	Moisture	
240-13671-75	LLI01-28NE-0602-SSXX	Total/NA	Solid	Moisture	
240-13671-76	LLI01-28NW-0006-SSXX	Total/NA	Solid	Moisture	
240-13671-77	LLI01-28NW-0602-SSXX	Total/NA	Solid	Moisture	
240-13671-78	LLI01-28NW-0205-SSXX	Total/NA	Solid	Moisture	
240-13671-81	LLI01-27XX-0006-SSXX	Total/NA	Solid	Moisture	
240-13671-82	LLI01-27XX-0602-SSXX	Total/NA	Solid	Moisture	
240-13671-82 DU	LLI01-27XX-0602-SSXX	Total/NA	Solid	Moisture	
240-13671-83	LLI01-27XX-0205-SSXX	Total/NA	Solid	Moisture	
240-13671-86	LLI01-20NE-0006-SSXX	Total/NA	Solid	Moisture	
240-13671-87	LLI01-20NE-0602-SSXX	Total/NA	Solid	Moisture	
240-13671-88	LLI01-20NE-0205-SSXX	Total/NA	Solid	Moisture	
240-13671-89	LLI01-20SW-0006-SSXX	Total/NA	Solid	Moisture	
240-13671-90	LLI01-20SW-0602-SSXX	Total/NA	Solid	Moisture	
240-13671-90 DU	LLI01-20SW-0602-SSXX	Total/NA	Solid	Moisture	
240-13671-91	LLI01-20SW-0205-SSXX	Total/NA	Solid	Moisture	
240-13671-92	LLI01-20SE-0006-SSXX	Total/NA	Solid	Moisture	
240-13671-93	LLI01-20SE-0602-SSXX	Total/NA	Solid	Moisture	
240-13671-94	LLI01-20SE-0205-SSXX	Total/NA	Solid	Moisture	
240-13671-97	LLI01-21NW-0006-SSXX	Total/NA	Solid	Moisture	
240-13671-98	LLI01-21NW-0602-SSXX	Total/NA	Solid	Moisture	
240-13671-99	LLI01-21NW-0205-SSXX	Total/NA	Solid	Moisture	
240-13671-100	LLI01-21SW-0006-SSXX	Total/NA	Solid	Moisture	
240-13671-100 DU	LLI01-21SW-0006-SSXX	Total/NA	Solid	Moisture	
240-13671-101	LLI01-21SW-0602-SSXX	Total/NA	Solid	Moisture	
240-13671-102	LLI01-21SW-0205-SSXX	Total/NA	Solid	Moisture	
240-13671-105	LLI01-DP11-XXXX-SSFD	Total/NA	Solid	Moisture	
240-13671-106	LLI01-DP12-XXXX-SSFD	Total/NA	Solid	Moisture	
240-13671-107	LLI01-DP13-XXXX-SSFD	Total/NA	Solid	Moisture	
240-13671-108	LLI01-DP14-XXXX-SSFD	Total/NA	Solid	Moisture	
240-13671-109	LLI01-DP15-XXXX-SSFD	Total/NA	Solid	Moisture	
240-13671-109 DU	LLI01-DP15-XXXX-SSFD	Total/NA	Solid	Moisture	
240-13671-110	LLI01-DP16-XXXX-SSFD	Total/NA	Solid	Moisture	
240-13671-111	LLI01-DP17-XXXX-SSFD	Total/NA	Solid	Moisture	
240-13671-112	LLI01-DP18-XXXX-SSFD	Total/NA	Solid	Moisture	
240-13671-113	LLI01-DP19-XXXX-SSFD	Total/NA	Solid	Moisture	
240-13671-114	LLI01-DP20-XXXX-SSFD	Total/NA	Solid	Moisture	

Analysis Batch: 52980

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13671-13	LLI01-14XX-0006-SSWC	Total/NA	Solid	9045C	
240-13671-14	LLI01-14XX-0602-SSWC	Total/NA	Solid	9045C	
LCS 240-52980/5	Lab Control Sample	Total/NA	Solid	9045C	

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

General Chemistry (Continued)

Prep Batch: 74970

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13671-13	LLI01-14XX-0006-SSWC	Total/NA	Solid	7.3.3	
240-13671-14	LLI01-14XX-0602-SSWC	Total/NA	Solid	7.3.3	
LCS 480-74970/1-A	Lab Control Sample	Total/NA	Solid	7.3.3	
MB 480-74970/2-A	Method Blank	Total/NA	Solid	7.3.3	

Prep Batch: 74972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13671-13	LLI01-14XX-0006-SSWC	Total/NA	Solid	7.3.4	
240-13671-14	LLI01-14XX-0602-SSWC	Total/NA	Solid	7.3.4	
LCS 480-74972/1-A	Lab Control Sample	Total/NA	Solid	7.3.4	
MB 480-74972/2-A	Method Blank	Total/NA	Solid	7.3.4	

Analysis Batch: 74978

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13671-13	LLI01-14XX-0006-SSWC	Total/NA	Solid	9012	74970
240-13671-14	LLI01-14XX-0602-SSWC	Total/NA	Solid	9012	74970
LCS 480-74970/1-A	Lab Control Sample	Total/NA	Solid	9012	74970
MB 480-74970/2-A	Method Blank	Total/NA	Solid	9012	74970

Analysis Batch: 75148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13671-13	LLI01-14XX-0006-SSWC	Total/NA	Solid	9034	74972
240-13671-14	LLI01-14XX-0602-SSWC	Total/NA	Solid	9034	74972
LCS 480-74972/1-A	Lab Control Sample	Total/NA	Solid	9034	74972
MB 480-74972/2-A	Method Blank	Total/NA	Solid	9034	74972

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-14SW-0006-SSXX

Date Collected: 07/27/12 07:35

Date Received: 07/31/12 09:30

Lab Sample ID: 240-13671-1

Matrix: Solid

Percent Solids: 86.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53534	08/07/12 11:45	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/10/12 04:37	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 10:26	TH	TAL NC

Client Sample ID: LLI01-14SW-0602-SSXX

Date Collected: 07/27/12 07:36

Date Received: 07/31/12 09:30

Lab Sample ID: 240-13671-2

Matrix: Solid

Percent Solids: 84.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53534	08/07/12 11:45	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/10/12 04:42	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 10:26	TH	TAL NC

Client Sample ID: LLI01-14SW-0205-SSXX

Date Collected: 07/27/12 07:37

Date Received: 07/31/12 09:30

Lab Sample ID: 240-13671-3

Matrix: Solid

Percent Solids: 86.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53534	08/07/12 11:45	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/10/12 04:48	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 10:26	TH	TAL NC

Client Sample ID: LLI01-14NW-0006-SSXX

Date Collected: 07/27/12 07:47

Date Received: 07/31/12 09:30

Lab Sample ID: 240-13671-4

Matrix: Solid

Percent Solids: 70.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53534	08/07/12 11:45	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/10/12 04:54	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 10:26	TH	TAL NC

Client Sample ID: LLI01-14NW-0602-SSXX

Date Collected: 07/27/12 07:48

Date Received: 07/31/12 09:30

Lab Sample ID: 240-13671-5

Matrix: Solid

Percent Solids: 88.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53534	08/07/12 11:45	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/10/12 02:26	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 10:26	TH	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-14NW-0205-SSXX

Lab Sample ID: 240-13671-6

Date Collected: 07/27/12 07:51

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 79.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53541	08/07/12 12:23	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/10/12 00:04	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 10:26	TH	TAL NC

Client Sample ID: LLI01-14SE-0006-SSXX

Lab Sample ID: 240-13671-7

Date Collected: 07/27/12 07:55

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 90.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53541	08/07/12 12:23	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/10/12 00:10	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 10:26	TH	TAL NC

Client Sample ID: LLI01-14SE-0602-SSXX

Lab Sample ID: 240-13671-8

Date Collected: 07/27/12 07:56

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53541	08/07/12 12:23	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/10/12 00:15	KC	TAL NC
Total/NA	Analysis	6010B		5	54150	08/10/12 15:08	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 10:26	TH	TAL NC

Client Sample ID: LLI01-14SE-0205-SSXX

Lab Sample ID: 240-13671-9

Date Collected: 07/27/12 07:57

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 94.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53541	08/07/12 12:23	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/10/12 00:21	KC	TAL NC
Total/NA	Analysis	6010B		5	54150	08/10/12 15:14	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 10:26	TH	TAL NC

Client Sample ID: LLI01-14NE-0006-SSXX

Lab Sample ID: 240-13671-10

Date Collected: 07/27/12 08:03

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 92.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53541	08/07/12 12:23	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/10/12 00:27	KC	TAL NC
Total/NA	Analysis	6010B		5	54150	08/10/12 15:19	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 10:26	TH	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-14NE-0602-SSXX

Lab Sample ID: 240-13671-11

Date Collected: 07/27/12 08:04

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 92.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53541	08/07/12 12:23	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/10/12 00:32	KC	TAL NC
Total/NA	Analysis	6010B		5	54150	08/10/12 15:25	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 10:26	TH	TAL NC

Client Sample ID: LLI01-14NE-0205-SSXX

Lab Sample ID: 240-13671-12

Date Collected: 07/27/12 08:05

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 92.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53541	08/07/12 12:23	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/10/12 00:49	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 10:26	TH	TAL NC

Client Sample ID: LLI01-14XX-0006-SSWC

Lab Sample ID: 240-13671-13

Date Collected: 07/27/12 08:10

Matrix: Solid

Date Received: 07/31/12 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	52965	08/02/12 10:26	TH	TAL NC
Total/NA	Analysis	9045C		1	52980	08/02/12 12:27	BW	TAL NC
Total/NA	Prep	7.3.3			74970	08/02/12 16:20	LAW	TAL BUF
Total/NA	Analysis	9012		1	74978	08/03/12 01:33	LAW	TAL BUF
Total/NA	Prep	7.3.4			74972	08/02/12 16:20	LAW	TAL BUF
Total/NA	Analysis	9034		1	75148	08/03/12 23:10	LAW	TAL BUF

Client Sample ID: LLI01-14XX-0602-SSWC

Lab Sample ID: 240-13671-14

Date Collected: 07/27/12 08:15

Matrix: Solid

Date Received: 07/31/12 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	52965	08/02/12 10:26	TH	TAL NC
Total/NA	Analysis	9045C		1	52980	08/02/12 12:39	BW	TAL NC
Total/NA	Prep	7.3.3			74970	08/02/12 16:20	LAW	TAL BUF
Total/NA	Analysis	9012		1	74978	08/03/12 01:33	LAW	TAL BUF
Total/NA	Prep	7.3.4			74972	08/02/12 16:20	LAW	TAL BUF
Total/NA	Analysis	9034		1	75148	08/03/12 23:10	LAW	TAL BUF

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-15NW-0006-SSXX

Lab Sample ID: 240-13671-15

Date Collected: 07/27/12 08:25

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 82.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53541	08/07/12 12:23	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/10/12 00:55	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 10:26	TH	TAL NC

Client Sample ID: LLI01-15NW-0602-SSXX

Lab Sample ID: 240-13671-16

Date Collected: 07/27/12 08:26

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 88.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53541	08/07/12 12:23	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/10/12 01:01	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 10:26	TH	TAL NC

Client Sample ID: LLI01-15NW-0205-SSXX

Lab Sample ID: 240-13671-17

Date Collected: 07/27/12 08:27

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 76.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53541	08/07/12 12:23	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/10/12 01:07	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 10:26	TH	TAL NC

Client Sample ID: LLI01-15SW-0006-SSXX

Lab Sample ID: 240-13671-18

Date Collected: 07/27/12 08:37

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 89.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53541	08/07/12 12:23	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/10/12 01:12	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 10:26	TH	TAL NC

Client Sample ID: LLI01-15SW-0602-SSXX

Lab Sample ID: 240-13671-19

Date Collected: 07/27/12 08:38

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 92.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53541	08/07/12 12:23	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/10/12 01:18	KC	TAL NC
Total/NA	Analysis	6010B		10	54150	08/10/12 15:31	KC	TAL NC
Total/NA	Analysis	6010B		1	54150	08/10/12 15:48	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 10:26	TH	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-15SW-0205-SSXX

Lab Sample ID: 240-13671-20

Date Collected: 07/27/12 08:39

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 96.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53541	08/07/12 12:23	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 23:41	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 10:26	TH	TAL NC

Client Sample ID: LLI01-17SE-0006-SSXX

Lab Sample ID: 240-13671-23

Date Collected: 07/27/12 09:16

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 88.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53541	08/07/12 12:23	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/10/12 01:24	KC	TAL NC
Total/NA	Analysis	6010B		5	54150	08/10/12 15:53	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 10:26	TH	TAL NC

Client Sample ID: LLI01-17SE-0602-SSXX

Lab Sample ID: 240-13671-24

Date Collected: 07/27/12 09:17

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 92.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53541	08/07/12 12:23	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/10/12 01:29	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 10:26	TH	TAL NC

Client Sample ID: LLI01-17NE-0006-SSXX

Lab Sample ID: 240-13671-25

Date Collected: 07/27/12 09:22

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 84.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53541	08/07/12 12:23	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/10/12 01:35	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 10:26	TH	TAL NC

Client Sample ID: LLI01-17NE-0602-SSXX

Lab Sample ID: 240-13671-26

Date Collected: 07/27/12 09:23

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 85.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53541	08/07/12 12:23	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/10/12 01:41	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 10:26	TH	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-17SW-0006-SSXX

Lab Sample ID: 240-13671-27

Date Collected: 07/27/12 09:29

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 86.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53541	08/07/12 12:23	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/10/12 01:58	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 10:26	TH	TAL NC

Client Sample ID: LLI01-11NW-0006-SSXX

Lab Sample ID: 240-13671-30

Date Collected: 07/27/12 10:42

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 85.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53541	08/07/12 12:23	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/10/12 02:03	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 10:26	TH	TAL NC

Client Sample ID: LLI01-11NW-0602-SSXX

Lab Sample ID: 240-13671-31

Date Collected: 07/27/12 10:43

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 82.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53541	08/07/12 12:23	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/10/12 02:09	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 10:26	TH	TAL NC

Client Sample ID: LLI01-11NE-0006-SSXX

Lab Sample ID: 240-13671-32

Date Collected: 07/27/12 10:47

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 85.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53603	08/08/12 11:01	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 15:28	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 10:26	TH	TAL NC

Client Sample ID: LLI01-11NE-0602-SSXX

Lab Sample ID: 240-13671-33

Date Collected: 07/27/12 10:48

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 81.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53603	08/08/12 11:01	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 15:45	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 10:26	TH	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-11NE-0205-SSXX

Lab Sample ID: 240-13671-34

Date Collected: 07/27/12 10:49

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 76.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53603	08/08/12 11:01	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 15:51	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 10:26	TH	TAL NC

Client Sample ID: LLI01-11SE-0006-SSXX

Lab Sample ID: 240-13671-35

Date Collected: 07/27/12 10:57

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53603	08/08/12 11:01	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 15:56	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 10:26	TH	TAL NC

Client Sample ID: LLI01-11SE-0602-SSXX

Lab Sample ID: 240-13671-36

Date Collected: 07/27/12 10:58

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 89.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53603	08/08/12 11:01	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 16:02	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 10:26	TH	TAL NC

Client Sample ID: LLI01-11SE-0205-SSXX

Lab Sample ID: 240-13671-37

Date Collected: 07/27/12 10:59

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 95.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53603	08/08/12 11:01	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 16:08	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 10:26	TH	TAL NC

Client Sample ID: LLI01-11SW-0006-SSXX

Lab Sample ID: 240-13671-38

Date Collected: 07/27/12 11:06

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 81.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53603	08/08/12 11:01	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 16:13	KC	TAL NC
Total/NA	Analysis	6010B		5	54150	08/10/12 12:29	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 10:26	TH	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-11SW-0602-SSXX

Lab Sample ID: 240-13671-39

Date Collected: 07/27/12 11:07

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 92.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53603	08/08/12 11:01	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 16:19	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 10:26	TH	TAL NC

Client Sample ID: LLI01-11SW-0205-SSXX

Lab Sample ID: 240-13671-40

Date Collected: 07/27/12 11:08

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 94.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53603	08/08/12 11:01	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 15:05	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 10:26	TH	TAL NC

Client Sample ID: LLI01-18SW-0006-SSXX

Lab Sample ID: 240-13671-43

Date Collected: 07/27/12 11:32

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 87.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53603	08/08/12 11:01	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 16:25	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 10:26	TH	TAL NC

Client Sample ID: LLI01-18SW-0602-SSXX

Lab Sample ID: 240-13671-44

Date Collected: 07/27/12 11:33

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53603	08/08/12 11:01	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 16:30	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 10:26	TH	TAL NC

Client Sample ID: LLI01-18SW-0205-SSXX

Lab Sample ID: 240-13671-45

Date Collected: 07/27/12 11:34

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 86.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53603	08/08/12 11:01	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 16:36	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 10:26	TH	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-18NW-0006-SSXX

Lab Sample ID: 240-13671-46

Date Collected: 07/27/12 11:42

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 90.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53603	08/08/12 11:01	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 16:53	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 10:26	TH	TAL NC

Client Sample ID: LLI01-18NW-0602-SSXX

Lab Sample ID: 240-13671-47

Date Collected: 07/27/12 11:43

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 90.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53603	08/08/12 11:01	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 16:59	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 10:26	TH	TAL NC

Client Sample ID: LLI01-18NW-0205-SSXX

Lab Sample ID: 240-13671-48

Date Collected: 07/27/12 11:44

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 92.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53603	08/08/12 11:01	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 17:04	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 10:26	TH	TAL NC

Client Sample ID: LLI01-18SE-0006-SSXX

Lab Sample ID: 240-13671-49

Date Collected: 07/27/12 11:51

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 86.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53603	08/08/12 11:01	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 17:10	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 10:26	TH	TAL NC

Client Sample ID: LLI01-18SE-0602-SSXX

Lab Sample ID: 240-13671-50

Date Collected: 07/27/12 11:52

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 90.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53603	08/08/12 11:01	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 17:16	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 10:26	TH	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-18SE-0205-SSXX

Lab Sample ID: 240-13671-51

Date Collected: 07/27/12 11:53

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 91.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53603	08/08/12 11:01	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 17:21	KC	TAL NC
Total/NA	Analysis	6010B		1	54150	08/10/12 12:35	KC	TAL NC
Total/NA	Analysis	6010B		5	54150	08/10/12 12:41	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 10:26	TH	TAL NC

Client Sample ID: LLI01-18NE-0006-SSXX

Lab Sample ID: 240-13671-52

Date Collected: 07/27/12 12:01

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 91.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53603	08/08/12 11:01	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 17:27	KC	TAL NC
Total/NA	Analysis	6010B		5	54150	08/10/12 12:46	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 10:26	TH	TAL NC

Client Sample ID: LLI01-18NE-0602-SSXX

Lab Sample ID: 240-13671-53

Date Collected: 07/27/12 12:02

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 90.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53603	08/08/12 11:01	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 17:33	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 10:26	TH	TAL NC

Client Sample ID: LLI01-18NE-0205-SSXX

Lab Sample ID: 240-13671-54

Date Collected: 07/27/12 12:03

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 86.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53613	08/08/12 11:35	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 18:24	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 10:26	TH	TAL NC

Client Sample ID: LLI01-19SW-0006-SSXX

Lab Sample ID: 240-13671-57

Date Collected: 07/27/12 13:49

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 89.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53613	08/08/12 11:35	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 18:29	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 11:13	TH	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-19SW-0602-SSXX

Lab Sample ID: 240-13671-58

Date Collected: 07/27/12 13:50

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 90.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53613	08/08/12 11:35	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 18:35	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 11:13	TH	TAL NC

Client Sample ID: LLI01-19SW-0205-SSXX

Lab Sample ID: 240-13671-59

Date Collected: 07/27/12 13:51

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 90.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53613	08/08/12 11:35	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 18:41	KC	TAL NC
Total/NA	Analysis	6010B		5	54150	08/10/12 13:14	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 11:13	TH	TAL NC

Client Sample ID: LLI01-19SE-0006-SSXX

Lab Sample ID: 240-13671-60

Date Collected: 07/27/12 13:57

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 89.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53613	08/08/12 11:35	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 18:46	KC	TAL NC
Total/NA	Analysis	6010B		1	54150	08/10/12 13:32	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 11:13	TH	TAL NC

Client Sample ID: LLI01-19SE-0602-SSXX

Lab Sample ID: 240-13671-61

Date Collected: 07/27/12 13:58

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 96.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53613	08/08/12 11:35	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 18:52	KC	TAL NC
Total/NA	Analysis	6010B		5	54150	08/10/12 13:37	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 11:13	TH	TAL NC

Client Sample ID: LLI01-19SE-0205-SSXX

Lab Sample ID: 240-13671-62

Date Collected: 07/27/12 13:59

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 65.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53613	08/08/12 11:35	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 19:09	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 11:13	TH	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-19NW-0006-SSXX

Lab Sample ID: 240-13671-63

Date Collected: 07/27/12 14:05

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 86.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53613	08/08/12 11:35	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 19:15	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 11:13	TH	TAL NC

Client Sample ID: LLI01-19NW-0602-SSXX

Lab Sample ID: 240-13671-64

Date Collected: 07/27/12 14:06

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 88.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53613	08/08/12 11:35	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 19:20	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 11:13	TH	TAL NC

Client Sample ID: LLI01-19NW-0205-SSXX

Lab Sample ID: 240-13671-65

Date Collected: 07/27/12 14:07

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 96.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53613	08/08/12 11:35	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 18:01	KC	TAL NC
Total/NA	Analysis	6010B		5	54150	08/10/12 12:52	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 11:13	TH	TAL NC

Client Sample ID: LLI01-28SW-0006-SSXX

Lab Sample ID: 240-13671-68

Date Collected: 07/27/12 14:26

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 91.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53613	08/08/12 11:35	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 19:26	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 11:13	TH	TAL NC

Client Sample ID: LLI01-28SW-0602-SSXX

Lab Sample ID: 240-13671-69

Date Collected: 07/27/12 14:27

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53613	08/08/12 11:35	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 19:32	KC	TAL NC
Total/NA	Analysis	6010B		5	54150	08/10/12 13:43	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 11:13	TH	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-28SW-0205-SSXX

Lab Sample ID: 240-13671-70

Date Collected: 07/27/12 14:28

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 87.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53613	08/08/12 11:35	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 19:37	KC	TAL NC
Total/NA	Analysis	6010B		5	54150	08/10/12 13:49	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 11:13	TH	TAL NC

Client Sample ID: LLI01-28SE-0006-SSXX

Lab Sample ID: 240-13671-71

Date Collected: 07/27/12 14:34

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 88.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53613	08/08/12 11:35	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 19:43	KC	TAL NC
Total/NA	Analysis	6010B		10	54150	08/10/12 13:54	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 11:13	TH	TAL NC

Client Sample ID: LLI01-28SE-0602-SSXX

Lab Sample ID: 240-13671-72

Date Collected: 07/27/12 14:35

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 85.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53613	08/08/12 11:35	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 19:49	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 11:13	TH	TAL NC

Client Sample ID: LLI01-28SE-0205-SSXX

Lab Sample ID: 240-13671-73

Date Collected: 07/27/12 14:36

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 96.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53613	08/08/12 11:35	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 19:54	KC	TAL NC
Total/NA	Analysis	6010B		5	54150	08/10/12 14:00	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 11:13	TH	TAL NC

Client Sample ID: LLI01-28NE-0006-SSXX

Lab Sample ID: 240-13671-74

Date Collected: 07/27/12 14:42

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 89.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53613	08/08/12 11:35	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 20:00	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 11:13	TH	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-28NE-0602-SSXX

Lab Sample ID: 240-13671-75

Date Collected: 07/27/12 14:43

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 92.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53613	08/08/12 11:35	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 20:17	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 11:13	TH	TAL NC

Client Sample ID: LLI01-28NW-0006-SSXX

Lab Sample ID: 240-13671-76

Date Collected: 07/27/12 14:46

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 94.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53613	08/08/12 11:35	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 20:23	KC	TAL NC
Total/NA	Analysis	6010B		5	54150	08/10/12 14:06	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 11:13	TH	TAL NC

Client Sample ID: LLI01-28NW-0602-SSXX

Lab Sample ID: 240-13671-77

Date Collected: 07/27/12 14:47

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 90.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53613	08/08/12 11:35	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 20:28	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 11:13	TH	TAL NC

Client Sample ID: LLI01-28NW-0205-SSXX

Lab Sample ID: 240-13671-78

Date Collected: 07/27/12 14:48

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 80.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53617	08/08/12 11:55	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 21:08	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 11:13	TH	TAL NC

Client Sample ID: LLI01-27XX-0006-SSXX

Lab Sample ID: 240-13671-81

Date Collected: 07/27/12 15:06

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 82.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53617	08/08/12 11:55	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 21:25	KC	TAL NC
Total/NA	Analysis	6010B		100	54150	08/10/12 14:11	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 11:13	TH	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-27XX-0602-SSXX

Lab Sample ID: 240-13671-82

Date Collected: 07/27/12 15:10

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 88.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53617	08/08/12 11:55	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 21:31	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 11:13	TH	TAL NC

Client Sample ID: LLI01-27XX-0205-SSXX

Lab Sample ID: 240-13671-83

Date Collected: 07/27/12 15:11

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 87.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53617	08/08/12 11:55	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 21:37	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 11:13	TH	TAL NC

Client Sample ID: LLI01-20NE-0006-SSXX

Lab Sample ID: 240-13671-86

Date Collected: 07/27/12 15:33

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 95.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53617	08/08/12 11:55	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 21:42	KC	TAL NC
Total/NA	Analysis	6010B		5	54150	08/10/12 14:17	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 11:13	TH	TAL NC

Client Sample ID: LLI01-20NE-0602-SSXX

Lab Sample ID: 240-13671-87

Date Collected: 07/27/12 15:34

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 82.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53617	08/08/12 11:55	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 21:48	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 11:13	TH	TAL NC

Client Sample ID: LLI01-20NE-0205-SSXX

Lab Sample ID: 240-13671-88

Date Collected: 07/27/12 15:35

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 80.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53617	08/08/12 11:55	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 21:54	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 11:13	TH	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-20SW-0006-SSXX

Lab Sample ID: 240-13671-89

Date Collected: 07/27/12 15:40

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 92.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53617	08/08/12 11:55	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 21:59	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 11:13	TH	TAL NC

Client Sample ID: LLI01-20SW-0602-SSXX

Lab Sample ID: 240-13671-90

Date Collected: 07/27/12 15:41

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 88.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53617	08/08/12 11:55	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 20:45	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 11:13	TH	TAL NC

Client Sample ID: LLI01-20SW-0205-SSXX

Lab Sample ID: 240-13671-91

Date Collected: 07/27/12 15:44

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 81.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53617	08/08/12 11:55	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 22:05	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 11:13	TH	TAL NC

Client Sample ID: LLI01-20SE-0006-SSXX

Lab Sample ID: 240-13671-92

Date Collected: 07/27/12 15:47

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 91.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53617	08/08/12 11:55	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 22:11	KC	TAL NC
Total/NA	Analysis	6010B		5	54150	08/10/12 14:23	KC	TAL NC
Total/NA	Analysis	6010B		1	54150	08/10/12 14:40	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 11:13	TH	TAL NC

Client Sample ID: LLI01-20SE-0602-SSXX

Lab Sample ID: 240-13671-93

Date Collected: 07/27/12 15:48

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 89.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53617	08/08/12 11:55	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 22:16	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 11:13	TH	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-20SE-0205-SSXX

Lab Sample ID: 240-13671-94

Date Collected: 07/27/12 15:49

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53617	08/08/12 11:55	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 22:33	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 11:13	TH	TAL NC

Client Sample ID: LLI01-21NW-0006-SSXX

Lab Sample ID: 240-13671-97

Date Collected: 07/27/12 16:07

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 80.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53617	08/08/12 11:55	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 22:39	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 11:13	TH	TAL NC

Client Sample ID: LLI01-21NW-0602-SSXX

Lab Sample ID: 240-13671-98

Date Collected: 07/27/12 16:08

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 88.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53617	08/08/12 11:55	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 22:45	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 11:13	TH	TAL NC

Client Sample ID: LLI01-21NW-0205-SSXX

Lab Sample ID: 240-13671-99

Date Collected: 07/27/12 16:09

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 87.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53617	08/08/12 11:55	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 22:50	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 11:13	TH	TAL NC

Client Sample ID: LLI01-21SW-0006-SSXX

Lab Sample ID: 240-13671-100

Date Collected: 07/27/12 16:18

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53617	08/08/12 11:55	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 22:56	KC	TAL NC
Total/NA	Analysis	6010B		1	54150	08/10/12 14:45	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 11:13	TH	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-21SW-0602-SSXX

Lab Sample ID: 240-13671-101

Date Collected: 07/27/12 16:19

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 97.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53617	08/08/12 11:55	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 23:02	KC	TAL NC
Total/NA	Analysis	6010B		5	54150	08/10/12 14:51	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 11:13	TH	TAL NC

Client Sample ID: LLI01-21SW-0205-SSXX

Lab Sample ID: 240-13671-102

Date Collected: 07/27/12 16:20

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 92.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53617	08/08/12 11:55	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 23:07	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 11:13	TH	TAL NC

Client Sample ID: LLI01-DP11-XXXX-SSFD

Lab Sample ID: 240-13671-105

Date Collected: 07/27/12 00:00

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 82.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53617	08/08/12 11:55	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/09/12 23:13	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 11:13	TH	TAL NC

Client Sample ID: LLI01-DP12-XXXX-SSFD

Lab Sample ID: 240-13671-106

Date Collected: 07/27/12 00:00

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 91.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53618	08/09/12 11:08	DE	TAL NC
Total/NA	Analysis	6010B		1	54150	08/10/12 07:42	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 11:13	TH	TAL NC

Client Sample ID: LLI01-DP13-XXXX-SSFD

Lab Sample ID: 240-13671-107

Date Collected: 07/27/12 00:00

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53618	08/09/12 11:08	DE	TAL NC
Total/NA	Analysis	6010B		1	54150	08/10/12 08:20	KC	TAL NC
Total/NA	Analysis	6010B		1	54150	08/10/12 10:55	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 11:13	TH	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-DP14-XXXX-SSFD

Lab Sample ID: 240-13671-108

Date Collected: 07/27/12 00:00

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 82.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53618	08/09/12 11:08	DE	TAL NC
Total/NA	Analysis	6010B		1	54150	08/10/12 08:25	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 11:13	TH	TAL NC

Client Sample ID: LLI01-DP15-XXXX-SSFD

Lab Sample ID: 240-13671-109

Date Collected: 07/27/12 00:00

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 84.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53618	08/09/12 11:08	DE	TAL NC
Total/NA	Analysis	6010B		1	54150	08/10/12 08:31	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 11:13	TH	TAL NC

Client Sample ID: LLI01-DP16-XXXX-SSFD

Lab Sample ID: 240-13671-110

Date Collected: 07/27/12 00:00

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 83.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53618	08/09/12 11:08	DE	TAL NC
Total/NA	Analysis	6010B		1	54150	08/10/12 08:36	KC	TAL NC
Total/NA	Analysis	6010B		5	54150	08/10/12 11:12	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 11:13	TH	TAL NC

Client Sample ID: LLI01-DP17-XXXX-SSFD

Lab Sample ID: 240-13671-111

Date Collected: 07/27/12 00:00

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 88.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53618	08/09/12 11:08	DE	TAL NC
Total/NA	Analysis	6010B		1	54150	08/10/12 08:42	KC	TAL NC
Total/NA	Analysis	6010B		10	54150	08/10/12 11:18	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 11:13	TH	TAL NC

Client Sample ID: LLI01-DP18-XXXX-SSFD

Lab Sample ID: 240-13671-112

Date Collected: 07/27/12 00:00

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 82.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53618	08/09/12 11:08	DE	TAL NC
Total/NA	Analysis	6010B		1	54150	08/10/12 08:48	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 11:13	TH	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Client Sample ID: LLI01-DP19-XXXX-SSFD

Lab Sample ID: 240-13671-113

Date Collected: 07/27/12 00:00

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 77.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53618	08/09/12 11:08	DE	TAL NC
Total/NA	Analysis	6010B		1	54150	08/10/12 08:53	KC	TAL NC
Total/NA	Analysis	6010B		5	54150	08/10/12 11:24	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 11:13	TH	TAL NC

Client Sample ID: LLI01-DP20-XXXX-SSFD

Lab Sample ID: 240-13671-114

Date Collected: 07/27/12 00:00

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 89.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53618	08/09/12 11:08	DE	TAL NC
Total/NA	Analysis	6010B		1	54150	08/10/12 08:59	KC	TAL NC
Total/NA	Analysis	Moisture		1	52965	08/02/12 11:13	TH	TAL NC

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

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

Certification Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Laboratory: TestAmerica Canton

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

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAC	9	01144CA	06-30-13
Connecticut	State Program	1	PH-0590	12-31-13
Florida	NELAC	4	E87225	06-30-13
Georgia	State Program	4	N/A	06-30-13
Illinois	NELAC	5	200004	07-31-13
Kansas	NELAC	7	E-10336	01-31-13
Kentucky	State Program	4	58	11-16-12
L-A-B	DoD ELAP		L2315	02-28-13
Minnesota	NELAC	5	039-999-348	12-31-12
Nevada	State Program	9	OH-000482008A	07-31-12
New Jersey	NELAC	2	OH001	06-30-13
New York	NELAC	2	10975	04-01-13
Ohio VAP	State Program	5	CL0024	01-19-14
Pennsylvania	NELAC	3	68-00340	08-31-12
USDA	Federal		P330-11-00328	08-26-14
Virginia	NELAC	3	460175	09-14-12
Washington	State Program	10	C971	01-12-13
West Virginia DEP	State Program	3	210	12-31-12
Wisconsin	State Program	5	999518190	08-31-12

Laboratory: TestAmerica Buffalo

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-13
California	NELAC	9	1169CA	09-30-12
Connecticut	State Program	1	PH-0568	09-30-12
Florida	NELAC	4	E87672	06-30-13
Georgia	State Program	4	N/A	03-31-13
Georgia	State Program	4	956	03-31-12
Illinois	NELAC	5	200003	09-30-12
Iowa	State Program	7	374	03-01-13
Kansas	NELAC	7	E-10187	01-31-13
Kentucky	State Program	4	90029	12-31-12
Kentucky (UST)	State Program	4	30	04-01-13
Louisiana	NELAC	6	02031	06-30-13
Maine	State Program	1	NY00044	12-04-12
Maryland	State Program	3	294	03-31-13
Massachusetts	State Program	1	M-NY044	06-30-13
Michigan	State Program	5	9937	04-01-13
Minnesota	NELAC	5	036-999-337	12-31-12
New Hampshire	NELAC	1	2973	09-11-12
New Hampshire	NELAC	1	2337	11-17-12
New Jersey	NELAC	2	NY455	06-30-13
New York	NELAC	2	10026	03-31-13
North Dakota	State Program	8	R-176	03-31-13
Oklahoma	State Program	6	9421	08-31-12
Oregon	NELAC	10	NY200003	06-09-13
Pennsylvania	NELAC	3	68-00281	07-31-13
Tennessee	State Program	4	TN02970	04-01-13
Texas	NELAC	6	T104704412-11-2	07-31-13
USDA	Federal		P330-11-00386	11-22-14
Virginia	NELAC	3	460185	09-14-12

Certification Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13671-1

Laboratory: TestAmerica Buffalo (Continued)

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Washington	State Program	10	C784	02-10-13
West Virginia DEP	State Program	3	252	09-30-12
Wisconsin	State Program	5	998310390	08-31-12

Chain of Custody Record

North Canton

TestAmerica Laboratory location:
Regulatory program:

☐ DW ☐ NPDES ☐ RCRA ☐ Other

TestAmerica Laboratories, Inc.

Client Contact Company Name: Amec Address: 116850 Magellan St. 190 City/State/Zip: Novi MI 48377 Phone: 248-926-9008 Project Name: HW Lake Linden Project Number: 3293111440 PO# Direct Bill to HON		Client Project Manager: Name: Dan Dyer Telephone: 942 Email: dan.dyer@amec.com		Site Contact: Name: Mark Loeb Telephone: 330-966-9837		Lab Contact: Name: Mark Loeb Telephone: 330-966-9837		COC No: 043386 1 of 13 COCs	
Analysis Turnaround Time TAT if different from below: Standard <input type="checkbox"/> 3 weeks <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Containers & Preservatives HCl <input type="checkbox"/> NaOH <input type="checkbox"/> ZnAc <input type="checkbox"/> Upret <input type="checkbox"/> Other: <input type="checkbox"/>		Filtered Sample (Y/N) Composite <input type="checkbox"/> Grab <input type="checkbox"/>		Analyses Waste characterization <input checked="" type="checkbox"/> SDA/Crude, Pb <input checked="" type="checkbox"/> For release only <input type="checkbox"/> Wt. in oil <input type="checkbox"/> Lab pickup <input type="checkbox"/> Lab sampling <input type="checkbox"/> Lab SDG No: <input type="checkbox"/>		Sample Specific Notes / Special Instructions:	
Matrix Air <input type="checkbox"/> Aqueous <input type="checkbox"/> Sediment <input type="checkbox"/> Solid <input type="checkbox"/> Other: <input type="checkbox"/>		Sample Date 7/27/12		Sample Time 735		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input checked="" type="checkbox"/> Return to Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months			
Sample Identification LL101-14SW-0006-SSXX LL101-14SW-0602-SSXX LL101-14SW-0205-SSXX LL101-14NW-0006-SSXX LL101-14NW-0602-SSXX LL101-14NW-0602-SSMS LL101-14NW-0602-SSMD LL101-14NW-0205-SSXX LL101-14SE-0006-SSXX LL101-14SE-0602-SSXX		7/27/12 7/27/12 7/27/12 7/27/12 7/27/12 7/27/12 7/27/12 7/27/12 7/27/12		735 736 737 747 748 749 750 751 755 756		G X X X X X X X X X			
Possible Hazard Identification <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown									
Special Instructions/OC Requirements & Comments: Hold WL samples (none on this COC)									
Relinquished by: [Signature]		Company: Amec		Date/Time: 7/30/12 - 12P		Received by: FedEx		Company:	
Relinquished by: [Signature]		Company:		Date/Time:		Received by: [Signature]		Company:	
Relinquished by: [Signature]		Company:		Date/Time:		Received by: [Signature]		Company:	

Chain of Custody Record
North Canton

TestAmerica Laboratory location:
Regulatory program:

☐ DW ☐ NPDES ☐ RCRA ☐ Other

TestAmerica Laboratories, Inc.

COC No: 043387

2 of 13 COCs

Lab Contact: Mark Loeb

Telephone:

Site Contact:

Telephone:

Client Project Manager: Dan Dyer

Telephone: 46850 Magellan

Email: dan.dyer@amc.com

City/State/Zip: Mari, MI 48377

Phone: 246-926-4008

Project Name: HW Lake Linden

Project Number: 3293111440

P.O. # Direct Bill to HW

Method of Shipping/Carrier: FedEx

Shipping/Tracking No:

Analysis Turnaround Time (in BUS days): Standard

TAT if different from below:

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

Containers & Preservatives:

Matrix:

Other:

Sample Date: 7/27/12

Sample Time: 7:55

Sample Identification:

LL101-14SE-0205-SSXX

LL101-14NE-0006-SSXX

LL101-14NE-0602-SSXX

LL101-14NE-0205-SSXX

LL101-14XX-0006-SSWC

LL101-14XX-0602-SSWC

LL101-15NW-0006-SSXX

LL101-15NW-0602-SSXX

LL101-15NW-0205-SSXX

LL101-15SW-0006-SSXX

Filtered Sample (Y/N):

Composited (Y/N):

Analyses:

For lab use only:

Wait in client:

Lab pickup:

Lab sampling:

Job/SDG No:

Sample Specific Notes / Special Instructions:

Waste characterization

SB, AS, L, R, P

hold

hold

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month):

☐ Return to Client ☒ Disposal By Lab ☐ Archive For

Months:

Special Instructions/OC Requirements & Comments:

Waste characterization

Relinquished by: Amer

Relinquished by: Amer

Relinquished by: Amer

Date/Time: 7/30/12-12P

Date/Time: 7/30/12-12P

Date/Time: 7/30/12-12P

Company: Amer

Company: Amer

Company: Amer

Received by: FedEx

Received by: FedEx

Received by: FedEx

Received in laboratory by: Mark Dyer

Received in laboratory by: Mark Dyer

Received in laboratory by: Mark Dyer

TAL 0018-1 (04/10)

Company Name: AMEC	Client Contact: Mark Loeb	Lab Contact: Mark Loeb	COC No: 043400
Address: 46850 Mayellon	Telephone: Same	Telephone:	of 13 COCs
City/State/Zip: Novi, MI 48377	Email: dan.dye@amec.com	Site Contact: Mark Loeb	
Project: 248-926-4008	Method of Shipping/Carrier: FedEx	Analyses:	From lab use only: Walk-in/Refrigerator Lab pickup Lab sampling Low SDC No.
Project Name: Flw Lake Under	Shipping/Tracking No.:	Analyses:	Sample Specific Notes / Special Instructions:
Project Number: 3295111440			
0# Direct Bill to HCN			
Sample Identification	Sample Date	Sample Time	Matrix
LL101-17SW-0006-SSXX	7/27/12	929	Alr
LL101-17SW-0006-SSXX		935	Solid
LL101-17SW-0006-SSXX		987	Sediment
LL101-17SW-0006-SSXX		1042	Aqueous
LL101-17SW-0006-SSXX		1043	Other:
LL101-17SW-0006-SSXX		1047	Other:
LL101-17SW-0006-SSXX		1048	Other:
LL101-17SW-0006-SSXX		1049	Other:
LL101-17SW-0006-SSXX		1057	Other:
LL101-17SW-0006-SSXX		1058	Other:
Special Instructions/QC Requirements & Comments: hold waste characterization			
Relinquished by:	Company:	Date/Time:	Relinquished by:
Relinquished by:	Company:	Date/Time:	Relinquished by:
Relinquished by:	Company:	Date/Time:	Relinquished by:

Chain of Custody Record

TestAmerica Laboratory location:
Regulatory program:

☐ NPDES ☐ RCRA ☐ Other

TestAmerica Laboratories, Inc.

COC No: **032973**

Lab Contact: **Mark Loeb**
Telephone: **5 of 13 COCs**

Site Contact:
Telephone:

Client Project Manager:
Telephone:
Email:

Analysis Turnaround Time
(in business days)

Company Name:
Address:
City/State/Zip:
Phone:
Project Name:
Project Number:
PO#

For Lab Use Only

Analyses

Filtered Sample (Y/N)

Containers & Preservatives

Sample Identification

Sample Specific Notes / Special Instructions:

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return to Client ☐ Archive For ☐ Months

Special Instructions/QC Requirements & Comments:

Relinquished by:

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Chain of Custody Record

North Canton OH

TestAmerica Laboratory location:
Regulatory program:

☐ DW ☐ NPDES ☐ RCRA ☐ Other

TestAmerica Laboratories, Inc.

Client Contact Company Name: Amec Address: 4850 Mayfield City/State/Zip: Novi, MI 48377 Phone: 248-4008 Project Name: HW Lake Linden Project Number: 3293111440 PO# Direct Bill to: LTON		Client Project Manager: Name: Dan Dyer Telephone: 5406 Email: dan-dyer@amec.com Method of Shipment/Carrier: FedEx Shipping/Tracking No:		Site Contact: Name: Mark Webb Telephone:		Lab Contact: Name: Mark Webb Telephone:		Lab Contact: 0329372 Lab Name: 6 of 13 COCs	
Analysis Parameters TAT is different than below: 3 weeks <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day <input type="checkbox"/>		Analysis Parameters TAT is different than below: 3 weeks <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day <input type="checkbox"/>		Analysis Parameters TAT is different than below: 3 weeks <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day <input type="checkbox"/>		Analysis Parameters TAT is different than below: 3 weeks <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day <input type="checkbox"/>		Analysis Parameters TAT is different than below: 3 weeks <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day <input type="checkbox"/>	
Matrix Air <input type="checkbox"/> Solid <input type="checkbox"/> Sediment <input type="checkbox"/> Aquatics <input type="checkbox"/> Other:		Containers & Preservatives HCl <input type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> ZnAc <input type="checkbox"/> LiOH <input type="checkbox"/> Other:		Filtered Sample (Y/N) Composite <input type="checkbox"/> Grab <input type="checkbox"/>		Sample Specific Notes / Special Instructions:			
Sample Identification Sample Date Sample Time 7/27/12 1134 1142 1143 1144 1151 1152 1153 1201 1202 1203		X X X X X X X X X X		X X X X X X X X X X		X X X X X X X X X X		X X X X X X X X X X	
Possible Hazard Identification <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For		Months					
Relinquished by: [Signature]		Company: Amec		Date/Time: 7/30/12-12P		Received by: FedEx		Company:	
Relinquished by: [Signature]		Company:		Date/Time:		Received by: [Signature]		Company:	
Relinquished by: [Signature]		Company:		Date/Time:		Received by: [Signature]		Company:	

Chain of Custody Record

North Canton OH

TestAmerica Laboratory location:
Regulatory program:

☐ DW ☐ NPDES ☐ RCRA ☐ Other

Client Contact		Client Project Manager:		Site Contact:		Lab Contact:		COC No:	
Company Name: Amec		Dan Oyer		—		Mark Loeb		022502	
Address: 4650 Mayellan		Telephone: Samp		Telephone:		Telephone:		8 of 13 COCs	
City/State/Zip: Novi, MI 48377		Email: dan-oyer@amec.com		TAT if different from below:		Analyses			
Phone: 734-926-4008		Method of Shipment/Carrier: FedEx		3 weeks 2 weeks 1 week 2 days 1 day					
Project Name: Hw Lake Linden		Shipping/Tracking No:							
Project Number: 3293111440									
PO# Direct Bill to Han									
Sample Identification		Sample Date	Sample Time	Other:	Other:	Other:	Other:	Sample Specific Notes / Special Instructions:	
LL101-19NW-0205-SSXX	7/27/12	1407							
LL101-19NW-0205-SSMS		1408							
LL101-19NW-0205-SSMD		1409							
LL101-19XX-0006-SSWC		1415						hold	
LL101-19XX-0602-SSWC		1420						hold	
LL101-28SW-0006-SSXX		1426							
LL101-28SW-0602-SSXX		1427							
LL101-28SW-0205-SSXX		1428							
LL101-28SE-0006-SSXX		1434							
LL101-28SE-0602-SSXX		1435							
Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		Disposal By Lab		Archive For			
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown		<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal By Lab							
Special Instructions/QC Requirements & Comments:									
hold waste characterization									
Relinquished by:		Company:		Date/Time:		Received by:		Date/Time:	
Amec		Amec		7/30/12-12P		FedEx		7/30/12-12P	
Relinquished by:		Company:		Date/Time:		Received by:		Date/Time:	
Relinquished by:		Company:		Date/Time:		Received in Laboratory by:		Date/Time:	
						Jm		7/31/12 930	

Chain of Custody Record
North Canton

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

Client Contact Company Name: Anuec Address: 46850 Mayellan City/State/Zip: Nashville, MI 48377 Phone: 616 926-4008 Project Name: Hwy Lake Linder Project Number: 3203111440 PO# Direct Bill to HON		Client Project Manager: Name: Dan Dyer Telephone: same Email: dandyer@amec.com Method of Shipment/Carrier: FedEx Shipping/Tracking No.:		Site Contact: Name: Mark Webb Telephone: -		Lab Contact: Name: Mark Webb Telephone: - COC No: 032975 10 of 13 COCs	
Analysis Turnaround Time (in Days) <input type="checkbox"/> 3 weeks <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Analysis Waste characterization Sp/As/Le/Pb Comparison of Grab vs. Composite		Sample Specific Notes / Special Instructions: hold hold		TestAmerica Laboratories, Inc. Date/Time: 7/30/12 12P Date/Time: 7/31/12 930	

Sample Identification	Sample Date	Sample Time	Matrix				Containers & Preservatives				Filtered Sample (Y/N)	Company C/Grab	Analysis	Sample Specific Notes / Special Instructions	
			Air	Aqueous	Sediment	Solid	Other	H2SO4	HNO3	HCl					ZnAc
LL101-27XX-0205-SSXX	7/27/12	1511				X									
LL101-27XX-0006-SSWC		1515													
LL101-27XX-0602-SSWC		1520													
LL101-20NE-0006-SSXX		1533													
LL101-20NE-0602-SSXX		1534													
LL101-20NE-0205-SSXX		1535													
LL101-20SW-0006-SSXX		1540													
LL101-20SW-0602-SSXX		1541													
LL101-20SW-0602-SSMS		1542													
LL101-20SW-0602-SSMD		1543													

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

Special Instructions/OC Requirements & Comments:
 hold waste characterization

Relinquished by: Anuec	Date/Time: 7/30/12 12P	Received by: FedEx	Date/Time: 7/30/12 12P
Relinquished by:	Date/Time:	Received by:	Date/Time:
Relinquished by:	Date/Time:	Received in Laboratory by: ML	Date/Time: 7/31/12 930

Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Client Contact Company Name: <u>Amec</u> Address: <u>46850 Mayflower</u> City/State/Zip: <u>Novi, MI 48377</u> Phone: <u>248-926-4008</u> Project Name: <u>W Lake Linden</u> Project Number: <u>529311140</u> PO# <u>Direct Bill to HOV</u>		Client Project Manager: Name: <u>Dan Dyer</u> Telephone: <u>-</u> Email: <u>dan.dyer@com</u> Method of Shipment/Carrier: <u>FedEx</u> Shipping/Tracking No: <u>-</u>		Site Contact: Name: <u>Mark Loeb</u> Telephone: <u>-</u>		Lab Contact: Name: <u>Mark Loeb</u> Telephone: <u>-</u> COC No: <u>032979</u> Page <u>13</u> of <u>13</u> COCs									
Sample Identification Sample ID: <u>LL101-DP16-XXXX-SSFD</u> <u>LL101-DP17-XXXX-SSFD</u> <u>LL101-DP18-XXXX-SSFD</u> <u>LL101-DP19-XXXX-SSFD</u> <u>LL101-DP20-XXXX-SSFD</u>		Sample Date <u>7/23/12</u>		Matrix Solid: <input checked="" type="checkbox"/> Sediment: <input type="checkbox"/> Aqueous: <input type="checkbox"/> Air: <input type="checkbox"/> Other: <input type="checkbox"/>		Containers & Preservatives HCl: <input type="checkbox"/> HNO3: <input type="checkbox"/> H2SO4: <input type="checkbox"/> NaOH: <input type="checkbox"/> NaAc: <input type="checkbox"/> Unpres: <input type="checkbox"/> Other: <input type="checkbox"/>		Analysis Turnaround Time (in BGS days) TAT: <input type="checkbox"/> 3 weeks <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day <u>Spotting</u>		Analyses Sb/As/Cu/Fe/Pb		For Lab Use Only Work on file: <input type="checkbox"/> Lab testing: <input type="checkbox"/> Data sampling: <input type="checkbox"/> Lab SDG No: <input type="checkbox"/>		Sample Specific Notes / Special Instructions:	
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months															
Special Instructions/QC Requirements & Comments:															
Possible Hazard Identification <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown															
Relinquished by: _____ Date/Time: _____		Relinquished by: _____ Date/Time: _____		Relinquished by: _____ Date/Time: _____		Relinquished by: _____ Date/Time: _____		Relinquished by: _____ Date/Time: _____		Relinquished by: _____ Date/Time: _____		Relinquished by: _____ Date/Time: _____			
Received in Laboratory by: <u>[Signature]</u> Date/Time: <u>7/31/12 9:30</u>															

TAL 0018-1 (04/10)

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TestAmerica North Canton Sample Receipt Form/Narrative

Login #: 13671

Client MEC

Site Name

HW LAKELAND

By:

[Signature]
(Signature)Cooler Received on 7/31/12Opened on 7/31/12FedEx: 1st Grd ☒ Exp ☐ UPS ☐ FAS ☐ Stetson ☐ Client Drop Off ☐ TestAmerica Courier ☐ Other ☐TestAmerica Cooler # BACK Foam Box ☐ Client Cooler ☐ Box ☐ Other ☐Packing material used: Bubble Wrap Foam ☐ Plastic Bag ☐ None ☐ Other ☐COOLANT: Wet Ice Blue Ice ☐ Dry Ice ☐ Water ☐ None ☐

1. Cooler temperature upon receipt

IR GUN# 1 (CF 0°C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C

IR GUN# 4G (CF -1°C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C

IR GUN# 5G (CF -1°C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C

IR GUN# 8 (CF 0°C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C

☒ Multiple
on Back

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity _____

Yes ☐ No ☒

-Were custody seals on the outside of the cooler(s) signed & dated?

Yes ☐ No ☒ NA

-Were custody seals on the bottle(s)?

Yes ☐ No ☒

3. Shippers' packing slip attached to the cooler(s)?

Yes ☒ No ☐

4. Did custody papers accompany the sample(s)?

Yes ☒ No ☐

5. Were the custody papers relinquished & signed in the appropriate place?

Yes ☒ No ☐

6. Did all bottles arrive in good condition (Unbroken)?

Yes ☒ No ☐

7. Could all bottle labels be reconciled with the COC?

Yes ☒ No ☐

8. Were correct bottle(s) used for the test(s) indicated?

Yes ☒ No ☐

9. Sufficient quantity received to perform indicated analyses?

Yes ☒ No ☐

10. Were sample(s) at the correct pH upon receipt?

Yes ☐ No ☒ NA

11. Were VOAs on the COC?

Yes ☐ No ☒

12. Were air bubbles >6 mm in any VOA vials?

Yes ☐ No ☒ NA

13. Was a trip blank present in the cooler(s)?

Yes ☐ No ☒

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

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

COLLECTION TIME DISCREPANCIES

LL101-14SE-0006-SSXX PER COC=755, PER BOTTLE=754LL101-14SE-0602-SSXX PER COC=756, PER BOTTLE=755LL104-14SE-0205-SSXX PER COC=757, PER BOTTLE=756Will log per COC

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

Login Sample Receipt Checklist

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-13671-1

Login Number: 13671

List Source: TestAmerica Canton

List Number: 1

Creator: Livengood, Chris

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

Login Sample Receipt Checklist

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-13671-1

Login Number: 13671

List Number: 1

Creator: Robison, Zachary

List Source: TestAmerica Buffalo

List Creation: 08/02/12 01:52 PM

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Canton

4101 Shuffel Street NW

North Canton, OH 44720

Tel: (330)497-9396

TestAmerica Job ID: 240-13672-1

Client Project/Site: Lake Linden

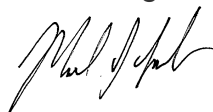
For:

AMEC Environment & Infrastructure, Inc.

46850 Magellan Drive, Suite 190

Novi, Michigan 48377

Attn: Doug Saigh



Authorized for release by:

8/15/2012 1:28:03 PM

Mark Loeb

Project Manager II

mark.loeb@testamericainc.com

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

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

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Method Summary	7
Sample Summary	8
Detection Summary	10
Client Sample Results	23
QC Sample Results	104
QC Association Summary	109
Lab Chronicle	117
Certification Summary	135
Chain of Custody	136
Receipt Checklists	149



Definitions/Glossary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Qualifiers

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.
F	MS or MSD exceeds the control limits
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
F	RPD of the MS and MSD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Job ID: 240-13672-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: AMEC Environment & Infrastructure, Inc.

Project: Lake Linden

Report Number: 240-13672-1

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

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

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

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

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

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

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

RECEIPT

The samples were received on 07/31/2012; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 1.6, 2.2, 3.9, 4.2 and 4.6 C.

TOTAL METALS (ICP)

Samples LL101-305E-0006-SSXX (240-13672-1), LL101-305E-0607-SSXX (240-13672-2), LL101-305E-0205-SSXX (240-13672-3), LL101-30NE-0006-SSXX (240-13672-4), LL101-30NE-0602-SSXX (240-13672-5), LL101-30NE-0205-SSXX (240-13672-6), LL101-37NW-0006-SSXX (240-13672-9), LL101-37NW-0602-SSXX (240-13672-10), LL101-37NW-0205-SSXX (240-13672-11), LL101-36NE-0006-SSXX (240-13672-14), LL101-36NE-0602-SSXX (240-13672-15), LL101-36NE-0205-SSXX (240-13672-16), LL101-36NW-0006-SSXX (240-13672-17), LL101-36NW-0602-SSXX (240-13672-18), LL101-36SW-0006-SSXX (240-13672-19), LL101-36SW-0602-SSXX (240-13672-20), LL101-36SW-0205-SSXX (240-13672-21), LL101-35NW-0006-SSXX (240-13672-24), LL101-35NW-0602-SSXX (240-13672-25), LL101-35NW-0205-SSXX (240-13672-26), LL101-35NE-0006-SSXX (240-13672-27), LL101-35NE-0602-SSXX (240-13672-28), LL101-35NE-0205-SSXX (240-13672-29), LL101-42NW-0006-SSXX (240-13672-32), LL101-42NW-0602-SSXX (240-13672-33), LL101-42NW-0205-SSXX (240-13672-34), LL101-42NE-0006-SSXX (240-13672-35), LL101-42NE-0602-SSXX (240-13672-36), LL101-42NE-0205-SSXX (240-13672-37), LL101-43NW-0006-SSXX (240-13672-40), LL101-43NW-0602-SSXX (240-13672-41), LL101-43NW-0205-SSXX (240-13672-42), LL101-43SE-0006-SSXX (240-13672-43), LL101-43SE-0602-SSXX (240-13672-44), LL101-43SE-0205-SSXX (240-13672-45), LL101-43NE-0006-SSXX (240-13672-46), LL101-43NE-0602-SSXX (240-13672-47), LL101-43SW-0006-SSXX (240-13672-48), LL101-43SW-0602-SSXX (240-13672-49), LL101-43SW-0205-SSXX (240-13672-50), LL101-52SE-0006-SSXX (240-13672-53), LL101-52SE-0602-SSXX (240-13672-54),

Case Narrative

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Job ID: 240-13672-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

LL101-52SE-0205-SSXX (240-13672-55), LL101-45NW-0006-SSXX (240-13672-58), LL101-45NW-0602-SSXX (240-13672-59), LL101-45NW-0205-SSXX (240-13672-60), LL101-45SW-0006-SSXX (240-13672-61), LL101-45SW-0602-SSXX (240-13672-62), LL101-45SW-0205-SSXX (240-13672-63), LL101-45NE-0006-SSXX (240-13672-64), LL101-45NE-0602-SSXX (240-13672-65), LL101-45NE-0205-SSXX (240-13672-66), LL101-54NW-0006-SSXX (240-13672-69), LL101-54NW-0602-SSXX (240-13672-70), LL101-54NW-0205-SSXX (240-13672-71), LL101-54NE-0006-SSXX (240-13672-72), LL101-54NE-0602-SSXX (240-13672-73), LL101-54NE-0205-SSXX (240-13672-74), LL101-54SE-0006-SSXX (240-13672-75), LL101-54SE-0602-SSXX (240-13672-76), LL101-54SE-0205-SSXX (240-13672-77), LL101-54SW-0006-SSXX (240-13672-78), LL101-54SW-0602-SSXX (240-13672-79), LL101-54SW-0205-SSXX (240-13672-80), LL101-71SW-0006-SSXX (240-13672-81), LL101-71SW-0602-SSXX (240-13672-82), LL101-71SW-0205-SSXX (240-13672-83), LL101-71SE-0006-SSXX (240-13672-84), LL101-71SE-0602-SSXX (240-13672-85), LL101-71SE-0205-SSXX (240-13672-86), LL101-71NW-0006-SSXX (240-13672-87), LL101-71NW-0602-SSXX (240-13672-88), LL101-71NW-0205-SSXX (240-13672-89), LL101-DP21-XXXX-SSFD (240-13672-92), LL101-DP22-XXXX-SSFD (240-13672-93), LL101-DP23-XXXX-SSFD (240-13672-94), LL101-DP24-XXXX-SSFD (240-13672-95), LL101-DP25-XXXX-SSFD (240-13672-96), LL101-DP26-XXXX-SSFD (240-13672-97), LL101-DP27-XXXX-SSFD (240-13672-98) and LL101-DP28-XXXX-SSFD (240-13672-99) were analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 08/09/2012 and 08/10/2012 and analyzed on 08/10/2012, 08/11/2012, 08/13/2012 and 08/14/2012.

Antimony and Iron were detected in method blank MB 240-53618/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

Iron was detected in method blank MB 240-53619/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

Iron was detected in method blank MB 240-54049/1-A at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

Antimony and Iron failed the recovery criteria low for the MS of sample LL101-36NW-0602-SSXX (240-13672-18) in batch 240-54316. Copper failed the recovery criteria high. For the MSD of sample LL101-36NW-0602-SSXX (240-13672-18) in batch 240-54316, Antimony failed the recovery criteria low. Copper and Iron failed the recovery criteria high. Also, Iron exceeded the rpd limit.

Antimony and Iron failed the recovery criteria low for the MS/MSD of sample LL101-43NW-0205-SSXX (240-13672-42) in batch 240-54316. Iron exceeded the rpd limit.

Antimony, Iron and Lead failed the recovery criteria low for the MS/MSD of sample LL101-54NW-0602-SSXX (240-13672-70) in batch 240-54337. Copper failed the recovery criteria high.

Antimony failed the recovery criteria low for the MS of sample LL101-71SW-0205-SSXXMS (240-13672-83) in batch 240-54316. Iron failed the recovery criteria high. Antimony and Iron failed the recovery criteria low for the MSD of sample LL101-71SW-0205-SSXXMSD (240-13672-83) in batch 240-54316.

Samples LL101-30SE-0205-SSXX (240-13672-3)[5X], LL101-30NE-0602-SSXX (240-13672-5)[5X], LL101-37NW-0205-SSXX (240-13672-11)[5X], LL101-36NE-0006-SSXX (240-13672-14)[100X], LL101-36NW-0006-SSXX (240-13672-17)[10X], LL101-36SW-0602-SSXX (240-13672-20)[4X], LL101-35NW-0006-SSXX (240-13672-24)[2X], LL101-35NE-0006-SSXX (240-13672-27)[10X], LL101-43SE-0006-SSXX (240-13672-43)[2X], LL101-43NE-0006-SSXX (240-13672-46)[2X], LL101-43SW-0006-SSXX (240-13672-48)[2X], LL101-52SE-0006-SSXX (240-13672-53)[4X], LL101-45NW-0006-SSXX (240-13672-58)[4X], LL101-45SW-0006-SSXX (240-13672-61)[4X], LL101-45SW-0602-SSXX (240-13672-62)[4X], LL101-45SW-0205-SSXX (240-13672-63)[2X], LL101-54NW-0006-SSXX (240-13672-69)[5X], LL101-54NW-0602-SSXX (240-13672-70)[5X], LL101-54NW-0205-SSXX (240-13672-71)[5X], LL101-54NE-0006-SSXX (240-13672-72)[5X], LL101-71SW-0006-SSXX (240-13672-81)[5X] and LL101-DP21-XXXX-SSFD (240-13672-92)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The following sample was diluted due to the nature of the sample matrix: LL101-30NE-0602-SSXX (240-13672-5). Elevated reporting limits (RLs) are provided.

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

Case Narrative

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Job ID: 240-13672-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

PERCENT SOLIDS

Samples LL101-305E-0006-SSXX (240-13672-1), LL101-305E-0607-SSXX (240-13672-2), LL101-305E-0205-SSXX (240-13672-3), LL101-30NE-0006-SSXX (240-13672-4), LL101-30NE-0602-SSXX (240-13672-5), LL101-30NE-0205-SSXX (240-13672-6), LL101-37NW-0006-SSXX (240-13672-9), LL101-37NW-0602-SSXX (240-13672-10), LL101-37NW-0205-SSXX (240-13672-11), LL101-36NE-0006-SSXX (240-13672-14), LL101-36NE-0602-SSXX (240-13672-15), LL101-36NE-0205-SSXX (240-13672-16), LL101-36NW-0006-SSXX (240-13672-17), LL101-36NW-0602-SSXX (240-13672-18), LL101-36SW-0006-SSXX (240-13672-19), LL101-36SW-0602-SSXX (240-13672-20), LL101-36SW-0205-SSXX (240-13672-21), LL101-35NW-0006-SSXX (240-13672-24), LL101-35NW-0602-SSXX (240-13672-25), LL101-35NW-0205-SSXX (240-13672-26), LL101-35NE-0006-SSXX (240-13672-27), LL101-35NE-0602-SSXX (240-13672-28), LL101-35NE-0205-SSXX (240-13672-29), LL101-42NW-0006-SSXX (240-13672-32), LL101-42NW-0602-SSXX (240-13672-33), LL101-42NW-0205-SSXX (240-13672-34), LL101-42NE-0006-SSXX (240-13672-35), LL101-42NE-0602-SSXX (240-13672-36), LL101-42NE-0205-SSXX (240-13672-37), LL101-43NW-0006-SSXX (240-13672-40), LL101-43NW-0602-SSXX (240-13672-41), LL101-43NW-0205-SSXX (240-13672-42), LL101-43SE-0006-SSXX (240-13672-43), LL101-43SE-0602-SSXX (240-13672-44), LL101-43SE-0205-SSXX (240-13672-45), LL101-43NE-0006-SSXX (240-13672-46), LL101-43NE-0602-SSXX (240-13672-47), LL101-43SW-0006-SSXX (240-13672-48), LL101-43SW-0602-SSXX (240-13672-49), LL101-43SW-0205-SSXX (240-13672-50), LL101-52SE-0006-SSXX (240-13672-53), LL101-52SE-0602-SSXX (240-13672-54), LL101-52SE-0205-SSXX (240-13672-55), LL101-45NW-0006-SSXX (240-13672-58), LL101-45NW-0602-SSXX (240-13672-59), LL101-45NW-0205-SSXX (240-13672-60), LL101-45SW-0006-SSXX (240-13672-61), LL101-45SW-0602-SSXX (240-13672-62), LL101-45SW-0205-SSXX (240-13672-63), LL101-45NE-0006-SSXX (240-13672-64), LL101-45NE-0602-SSXX (240-13672-65), LL101-45NE-0205-SSXX (240-13672-66), LL101-54NW-0006-SSXX (240-13672-69), LL101-54NW-0602-SSXX (240-13672-70), LL101-54NW-0205-SSXX (240-13672-71), LL101-54NE-0006-SSXX (240-13672-72), LL101-54NE-0602-SSXX (240-13672-73), LL101-54NE-0205-SSXX (240-13672-74), LL101-54SE-0006-SSXX (240-13672-75), LL101-54SE-0602-SSXX (240-13672-76), LL101-54SE-0205-SSXX (240-13672-77), LL101-54SW-0006-SSXX (240-13672-78), LL101-54SW-0602-SSXX (240-13672-79), LL101-54SW-0205-SSXX (240-13672-80), LL101-71SW-0006-SSXX (240-13672-81), LL101-71SW-0602-SSXX (240-13672-82), LL101-71SW-0205-SSXX (240-13672-83), LL101-71SE-0006-SSXX (240-13672-84), LL101-71SE-0602-SSXX (240-13672-85), LL101-71SE-0205-SSXX (240-13672-86), LL101-71NW-0006-SSXX (240-13672-87), LL101-71NW-0602-SSXX (240-13672-88), LL101-71NW-0205-SSXX (240-13672-89), LL101-DP21-XXXX-SSFD (240-13672-92), LL101-DP22-XXXX-SSFD (240-13672-93), LL101-DP23-XXXX-SSFD (240-13672-94), LL101-DP24-XXXX-SSFD (240-13672-95), LL101-DP25-XXXX-SSFD (240-13672-96), LL101-DP26-XXXX-SSFD (240-13672-97), LL101-DP27-XXXX-SSFD (240-13672-98) and LL101-DP28-XXXX-SSFD (240-13672-99) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 08/03/2012.

Percent Moisture exceeded the rpd limit for the duplicate of sample LL101-36NW-0602-SSXXDU (240-13672-18). Percent Moisture exceeded the rpd limit for the duplicate of sample LL101-43NW-0205-SSXXDU (240-13672-42).

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

Method Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

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

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Sample Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-13672-1	LL101-305E-0006-SSXX	Solid	07/28/12 07:19	07/31/12 09:30
240-13672-2	LL101-305E-0607-SSXX	Solid	07/28/12 07:20	07/31/12 09:30
240-13672-3	LL101-305E-0205-SSXX	Solid	07/28/12 07:21	07/31/12 09:30
240-13672-4	LL101-30NE-0006-SSXX	Solid	07/28/12 07:25	07/31/12 09:30
240-13672-5	LL101-30NE-0602-SSXX	Solid	07/28/12 07:26	07/31/12 09:30
240-13672-6	LL101-30NE-0205-SSXX	Solid	07/28/12 07:27	07/31/12 09:30
240-13672-9	LL101-37NW-0006-SSXX	Solid	07/28/12 07:43	07/31/12 09:30
240-13672-10	LL101-37NW-0602-SSXX	Solid	07/28/12 07:44	07/31/12 09:30
240-13672-11	LL101-37NW-0205-SSXX	Solid	07/28/12 07:45	07/31/12 09:30
240-13672-14	LL101-36NE-0006-SSXX	Solid	07/28/12 08:12	07/31/12 09:30
240-13672-15	LL101-36NE-0602-SSXX	Solid	07/28/12 08:13	07/31/12 09:30
240-13672-16	LL101-36NE-0205-SSXX	Solid	07/28/12 08:14	07/31/12 09:30
240-13672-17	LL101-36NW-0006-SSXX	Solid	07/28/12 08:22	07/31/12 09:30
240-13672-18	LL101-36NW-0602-SSXX	Solid	07/28/12 08:23	07/31/12 09:30
240-13672-19	LL101-36SW-0006-SSXX	Solid	07/28/12 08:28	07/31/12 09:30
240-13672-20	LL101-36SW-0602-SSXX	Solid	07/28/12 08:29	07/31/12 09:30
240-13672-21	LL101-36SW-0205-SSXX	Solid	07/28/12 08:30	07/31/12 09:30
240-13672-24	LL101-35NW-0006-SSXX	Solid	07/28/12 08:55	07/31/12 09:30
240-13672-25	LL101-35NW-0602-SSXX	Solid	07/28/12 08:56	07/31/12 09:30
240-13672-26	LL101-35NW-0205-SSXX	Solid	07/28/12 08:57	07/31/12 09:30
240-13672-27	LL101-35NE-0006-SSXX	Solid	07/28/12 09:04	07/31/12 09:30
240-13672-28	LL101-35NE-0602-SSXX	Solid	07/28/12 09:05	07/31/12 09:30
240-13672-29	LL101-35NE-0205-SSXX	Solid	07/28/12 09:06	07/31/12 09:30
240-13672-32	LL101-42NW-0006-SSXX	Solid	07/28/12 10:26	07/31/12 09:30
240-13672-33	LL101-42NW-0602-SSXX	Solid	07/28/12 10:27	07/31/12 09:30
240-13672-34	LL101-42NW-0205-SSXX	Solid	07/28/12 10:28	07/31/12 09:30
240-13672-35	LL101-42NE-0006-SSXX	Solid	07/28/12 10:35	07/31/12 09:30
240-13672-36	LL101-42NE-0602-SSXX	Solid	07/28/12 10:36	07/31/12 09:30
240-13672-37	LL101-42NE-0205-SSXX	Solid	07/28/12 10:37	07/31/12 09:30
240-13672-40	LL101-43NW-0006-SSXX	Solid	07/28/12 10:59	07/31/12 09:30
240-13672-41	LL101-43NW-0602-SSXX	Solid	07/28/12 11:00	07/31/12 09:30
240-13672-42	LL101-43NW-0205-SSXX	Solid	07/28/12 11:01	07/31/12 09:30
240-13672-43	LL101-43SE-0006-SSXX	Solid	07/28/12 11:07	07/31/12 09:30
240-13672-44	LL101-43SE-0602-SSXX	Solid	07/28/12 11:08	07/31/12 09:30
240-13672-45	LL101-43SE-0205-SSXX	Solid	07/28/12 11:09	07/31/12 09:30
240-13672-46	LL101-43NE-0006-SSXX	Solid	07/28/12 11:16	07/31/12 09:30
240-13672-47	LL101-43NE-0602-SSXX	Solid	07/28/12 11:17	07/31/12 09:30
240-13672-48	LL101-43SW-0006-SSXX	Solid	07/28/12 11:20	07/31/12 09:30
240-13672-49	LL101-43SW-0602-SSXX	Solid	07/28/12 11:21	07/31/12 09:30
240-13672-50	LL101-43SW-0205-SSXX	Solid	07/28/12 11:22	07/31/12 09:30
240-13672-53	LL101-52SE-0006-SSXX	Solid	07/28/12 11:45	07/31/12 09:30
240-13672-54	LL101-52SE-0602-SSXX	Solid	07/28/12 11:46	07/31/12 09:30
240-13672-55	LL101-52SE-0205-SSXX	Solid	07/28/12 11:47	07/31/12 09:30
240-13672-58	LL101-45NW-0006-SSXX	Solid	07/28/12 13:37	07/31/12 09:30
240-13672-59	LL101-45NW-0602-SSXX	Solid	07/28/12 13:38	07/31/12 09:30
240-13672-60	LL101-45NW-0205-SSXX	Solid	07/28/12 13:39	07/31/12 09:30
240-13672-61	LL101-45SW-0006-SSXX	Solid	07/28/12 13:48	07/31/12 09:30
240-13672-62	LL101-45SW-0602-SSXX	Solid	07/28/12 13:49	07/31/12 09:30
240-13672-63	LL101-45SW-0205-SSXX	Solid	07/28/12 13:50	07/31/12 09:30
240-13672-64	LL101-45NE-0006-SSXX	Solid	07/28/12 13:55	07/31/12 09:30
240-13672-65	LL101-45NE-0602-SSXX	Solid	07/28/12 13:56	07/31/12 09:30
240-13672-66	LL101-45NE-0205-SSXX	Solid	07/28/12 13:57	07/31/12 09:30
240-13672-69	LL101-54NW-0006-SSXX	Solid	07/28/12 14:19	07/31/12 09:30
240-13672-70	LL101-54NW-0602-SSXX	Solid	07/28/12 14:20	07/31/12 09:30

Sample Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-13672-71	LL101-54NW-0205-SSXX	Solid	07/28/12 14:24	07/31/12 09:30
240-13672-72	LL101-54NE-0006-SSXX	Solid	07/28/12 14:26	07/31/12 09:30
240-13672-73	LL101-54NE-0602-SSXX	Solid	07/28/12 14:27	07/31/12 09:30
240-13672-74	LL101-54NE-0205-SSXX	Solid	07/28/12 14:28	07/31/12 09:30
240-13672-75	LL101-54SE-0006-SSXX	Solid	07/28/12 14:37	07/31/12 09:30
240-13672-76	LL101-54SE-0602-SSXX	Solid	07/28/12 14:38	07/31/12 09:30
240-13672-77	LL101-54SE-0205-SSXX	Solid	07/28/12 14:39	07/31/12 09:30
240-13672-78	LL101-54SW-0006-SSXX	Solid	07/28/12 14:43	07/31/12 09:30
240-13672-79	LL101-54SW-0602-SSXX	Solid	07/28/12 14:44	07/31/12 09:30
240-13672-80	LL101-54SW-0205-SSXX	Solid	07/28/12 14:45	07/31/12 09:30
240-13672-81	LL101-71SW-0006-SSXX	Solid	07/28/12 15:03	07/31/12 09:30
240-13672-82	LL101-71SW-0602-SSXX	Solid	07/28/12 15:04	07/31/12 09:30
240-13672-83	LL101-71SW-0205-SSXX	Solid	07/28/12 15:05	07/31/12 09:30
240-13672-84	LL101-71SE-0006-SSXX	Solid	07/28/12 15:10	07/31/12 09:30
240-13672-85	LL101-71SE-0602-SSXX	Solid	07/28/12 15:11	07/31/12 09:30
240-13672-86	LL101-71SE-0205-SSXX	Solid	07/28/12 15:12	07/31/12 09:30
240-13672-87	LL101-71NW-0006-SSXX	Solid	07/28/12 15:18	07/31/12 09:30
240-13672-88	LL101-71NW-0602-SSXX	Solid	07/28/12 15:19	07/31/12 09:30
240-13672-89	LL101-71NW-0205-SSXX	Solid	07/28/12 15:20	07/31/12 09:30
240-13672-92	LL101-DP21-XXXX-SSFD	Solid	07/28/12 00:00	07/31/12 09:30
240-13672-93	LL101-DP22-XXXX-SSFD	Solid	07/28/12 00:00	07/31/12 09:30
240-13672-94	LL101-DP23-XXXX-SSFD	Solid	07/28/12 00:00	07/31/12 09:30
240-13672-95	LL101-DP24-XXXX-SSFD	Solid	07/28/12 00:00	07/31/12 09:30
240-13672-96	LL101-DP25-XXXX-SSFD	Solid	07/28/12 00:00	07/31/12 09:30
240-13672-97	LL101-DP26-XXXX-SSFD	Solid	07/28/12 00:00	07/31/12 09:30
240-13672-98	LL101-DP27-XXXX-SSFD	Solid	07/28/12 00:00	07/31/12 09:30
240-13672-99	LL101-DP28-XXXX-SSFD	Solid	07/28/12 00:00	07/31/12 09:30

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-305E-0006-SSXX

Lab Sample ID: 240-13672-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	1100	B	1100	440	ug/Kg	1	☼	6010B	Total/NA
Arsenic	24000		1100	340	ug/Kg	1	☼	6010B	Total/NA
Copper	3300000		2800	830	ug/Kg	1	☼	6010B	Total/NA
Iron	20000000	B	22000	5500	ug/Kg	1	☼	6010B	Total/NA
Lead	910000		340	210	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LL101-305E-0607-SSXX

Lab Sample ID: 240-13672-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	1700	B	970	380	ug/Kg	1	☼	6010B	Total/NA
Arsenic	26000		970	290	ug/Kg	1	☼	6010B	Total/NA
Copper	2700000		2400	720	ug/Kg	1	☼	6010B	Total/NA
Iron	42000000	B	19000	4800	ug/Kg	1	☼	6010B	Total/NA
Lead	410000		290	190	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LL101-305E-0205-SSXX

Lab Sample ID: 240-13672-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	1200	B	850	330	ug/Kg	1	☼	6010B	Total/NA
Arsenic	3100		850	250	ug/Kg	1	☼	6010B	Total/NA
Copper	6100000		11000	3100	ug/Kg	5	☼	6010B	Total/NA
Iron	20000000	B	17000	4200	ug/Kg	1	☼	6010B	Total/NA
Lead	37000		1300	800	ug/Kg	5	☼	6010B	Total/NA

Client Sample ID: LL101-30NE-0006-SSXX

Lab Sample ID: 240-13672-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	2500	B	1100	430	ug/Kg	1	☼	6010B	Total/NA
Arsenic	16000		1100	330	ug/Kg	1	☼	6010B	Total/NA
Copper	3600000		2700	810	ug/Kg	1	☼	6010B	Total/NA
Iron	32000000	B	22000	5400	ug/Kg	1	☼	6010B	Total/NA
Lead	190000		330	210	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LL101-30NE-0602-SSXX

Lab Sample ID: 240-13672-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	3500	J B	5400	2100	ug/Kg	5	☼	6010B	Total/NA
Arsenic	32000		5400	1600	ug/Kg	5	☼	6010B	Total/NA
Copper	9700000		13000	4000	ug/Kg	5	☼	6010B	Total/NA
Iron	77000000	B	110000	26000	ug/Kg	5	☼	6010B	Total/NA
Lead	79000		1600	1000	ug/Kg	5	☼	6010B	Total/NA

Client Sample ID: LL101-30NE-0205-SSXX

Lab Sample ID: 240-13672-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	960	J B	1200	480	ug/Kg	1	☼	6010B	Total/NA
Arsenic	18000		1200	370	ug/Kg	1	☼	6010B	Total/NA
Copper	500000		3100	910	ug/Kg	1	☼	6010B	Total/NA
Iron	18000000	B	25000	6000	ug/Kg	1	☼	6010B	Total/NA
Lead	53000		370	230	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LL101-37NW-0006-SSXX

Lab Sample ID: 240-13672-9

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-37NW-0006-SSXX (Continued)

Lab Sample ID: 240-13672-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	1100	B	1100	450	ug/Kg	1	☼	6010B	Total/NA
Arsenic	4700		1100	340	ug/Kg	1	☼	6010B	Total/NA
Copper	350000		2900	840	ug/Kg	1	☼	6010B	Total/NA
Iron	21000000	B	23000	5600	ug/Kg	1	☼	6010B	Total/NA
Lead	23000		340	220	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LL101-37NW-0602-SSXX

Lab Sample ID: 240-13672-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	1000	J B	1200	470	ug/Kg	1	☼	6010B	Total/NA
Arsenic	4700		1200	360	ug/Kg	1	☼	6010B	Total/NA
Copper	120000		3000	890	ug/Kg	1	☼	6010B	Total/NA
Iron	20000000	B	24000	5900	ug/Kg	1	☼	6010B	Total/NA
Lead	1100		360	230	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LL101-37NW-0205-SSXX

Lab Sample ID: 240-13672-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	830	B	810	310	ug/Kg	1	☼	6010B	Total/NA
Arsenic	2200		810	240	ug/Kg	1	☼	6010B	Total/NA
Copper	6900000		10000	3000	ug/Kg	5	☼	6010B	Total/NA
Iron	5800000	B	16000	4000	ug/Kg	1	☼	6010B	Total/NA
Lead	2200		1200	770	ug/Kg	5	☼	6010B	Total/NA

Client Sample ID: LL101-36NE-0006-SSXX

Lab Sample ID: 240-13672-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	4700	B	1100	430	ug/Kg	1	☼	6010B	Total/NA
Arsenic	120000		1100	330	ug/Kg	1	☼	6010B	Total/NA
Copper	45000000		280000	82000	ug/Kg	100	☼	6010B	Total/NA
Iron	39000000	B	22000	5400	ug/Kg	1	☼	6010B	Total/NA
Lead	1200000		33000	21000	ug/Kg	100	☼	6010B	Total/NA

Client Sample ID: LL101-36NE-0602-SSXX

Lab Sample ID: 240-13672-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	740	J B	930	360	ug/Kg	1	☼	6010B	Total/NA
Arsenic	3900		930	280	ug/Kg	1	☼	6010B	Total/NA
Copper	200000		2300	690	ug/Kg	1	☼	6010B	Total/NA
Iron	9200000	B	19000	4600	ug/Kg	1	☼	6010B	Total/NA
Lead	6500		280	180	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LL101-36NE-0205-SSXX

Lab Sample ID: 240-13672-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	620	J	1600	620	ug/Kg	1	☼	6010B	Total/NA
Arsenic	21000		1600	480	ug/Kg	1	☼	6010B	Total/NA
Copper	82000		4000	1200	ug/Kg	1	☼	6010B	Total/NA
Iron	13000000	B	32000	7800	ug/Kg	1	☼	6010B	Total/NA
Lead	8500		480	300	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LL101-36NW-0006-SSXX

Lab Sample ID: 240-13672-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
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Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-36NW-0006-SSXX (Continued)

Lab Sample ID: 240-13672-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	17000		1100	320	ug/Kg	1	☼	6010B	Total/NA
Copper	16000000		27000	7900	ug/Kg	10	☼	6010B	Total/NA
Iron	24000000	B	210000	52000	ug/Kg	10	☼	6010B	Total/NA
Lead	96000		3200	2000	ug/Kg	10	☼	6010B	Total/NA

Client Sample ID: LL101-36NW-0602-SSXX

Lab Sample ID: 240-13672-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3500		1000	310	ug/Kg	1	☼	6010B	Total/NA
Copper	390000		2600	760	ug/Kg	1	☼	6010B	Total/NA
Iron	7400000	B	21000	5000	ug/Kg	1	☼	6010B	Total/NA
Lead	120000		310	200	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LL101-36SW-0006-SSXX

Lab Sample ID: 240-13672-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2800		800	240	ug/Kg	1	☼	6010B	Total/NA
Copper	1100000		2000	590	ug/Kg	1	☼	6010B	Total/NA
Iron	20000000	B	16000	3900	ug/Kg	1	☼	6010B	Total/NA
Lead	13000		240	150	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LL101-36SW-0602-SSXX

Lab Sample ID: 240-13672-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	7500		1100	340	ug/Kg	1	☼	6010B	Total/NA
Copper	6800000		11000	3400	ug/Kg	4	☼	6010B	Total/NA
Iron	14000000	B	92000	22000	ug/Kg	4	☼	6010B	Total/NA
Lead	29000		1400	870	ug/Kg	4	☼	6010B	Total/NA

Client Sample ID: LL101-36SW-0205-SSXX

Lab Sample ID: 240-13672-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	6600		1100	330	ug/Kg	1	☼	6010B	Total/NA
Copper	230000		2800	820	ug/Kg	1	☼	6010B	Total/NA
Iron	15000000	B	22000	5400	ug/Kg	1	☼	6010B	Total/NA
Lead	24000		330	210	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LL101-35NW-0006-SSXX

Lab Sample ID: 240-13672-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	800	J	1200	460	ug/Kg	1	☼	6010B	Total/NA
Arsenic	16000		1200	350	ug/Kg	1	☼	6010B	Total/NA
Copper	4200000		5900	1700	ug/Kg	2	☼	6010B	Total/NA
Iron	16000000	B	47000	11000	ug/Kg	2	☼	6010B	Total/NA
Lead	110000		700	450	ug/Kg	2	☼	6010B	Total/NA

Client Sample ID: LL101-35NW-0602-SSXX

Lab Sample ID: 240-13672-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	10000		1100	320	ug/Kg	1	☼	6010B	Total/NA
Copper	310000		2700	790	ug/Kg	1	☼	6010B	Total/NA
Iron	11000000	B	21000	5200	ug/Kg	1	☼	6010B	Total/NA
Lead	10000		320	200	ug/Kg	1	☼	6010B	Total/NA

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-35NW-0205-SSXX

Lab Sample ID: 240-13672-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	6700		1100	340	ug/Kg	1	☼	6010B	Total/NA
Copper	250000		2800	840	ug/Kg	1	☼	6010B	Total/NA
Iron	12000000	B	23000	5600	ug/Kg	1	☼	6010B	Total/NA
Lead	22000		340	220	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LL101-35NE-0006-SSXX

Lab Sample ID: 240-13672-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	17000		1100	320	ug/Kg	1	☼	6010B	Total/NA
Copper	16000000		26000	7800	ug/Kg	10	☼	6010B	Total/NA
Iron	21000000	B	210000	52000	ug/Kg	10	☼	6010B	Total/NA
Lead	260000		3200	2000	ug/Kg	10	☼	6010B	Total/NA

Client Sample ID: LL101-35NE-0602-SSXX

Lab Sample ID: 240-13672-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3800		890	270	ug/Kg	1	☼	6010B	Total/NA
Copper	490000		2200	660	ug/Kg	1	☼	6010B	Total/NA
Iron	9300000	B	18000	4400	ug/Kg	1	☼	6010B	Total/NA
Lead	10000		270	170	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LL101-35NE-0205-SSXX

Lab Sample ID: 240-13672-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	26000		1100	330	ug/Kg	1	☼	6010B	Total/NA
Copper	950000		2800	820	ug/Kg	1	☼	6010B	Total/NA
Iron	22000000	B	22000	5400	ug/Kg	1	☼	6010B	Total/NA
Lead	12000		330	210	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LL101-42NW-0006-SSXX

Lab Sample ID: 240-13672-32

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	7300		840	250	ug/Kg	1	☼	6010B	Total/NA
Copper	2200000		2100	620	ug/Kg	1	☼	6010B	Total/NA
Iron	19000000	B	17000	4100	ug/Kg	1	☼	6010B	Total/NA
Lead	130000		250	160	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LL101-42NW-0602-SSXX

Lab Sample ID: 240-13672-33

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	430	J	980	380	ug/Kg	1	☼	6010B	Total/NA
Arsenic	9100		980	290	ug/Kg	1	☼	6010B	Total/NA
Copper	150000		2500	730	ug/Kg	1	☼	6010B	Total/NA
Iron	11000000	B	20000	4800	ug/Kg	1	☼	6010B	Total/NA
Lead	12000		290	190	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LL101-42NW-0205-SSXX

Lab Sample ID: 240-13672-34

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	8300		1200	360	ug/Kg	1	☼	6010B	Total/NA
Copper	700000		3000	880	ug/Kg	1	☼	6010B	Total/NA
Iron	13000000	B	24000	5800	ug/Kg	1	☼	6010B	Total/NA
Lead	23000		360	230	ug/Kg	1	☼	6010B	Total/NA

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-42NE-0006-SSXX

Lab Sample ID: 240-13672-35

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3900		880	260	ug/Kg	1	☼	6010B	Total/NA
Copper	1800000		2200	650	ug/Kg	1	☼	6010B	Total/NA
Iron	13000000	B	18000	4300	ug/Kg	1	☼	6010B	Total/NA
Lead	63000		260	170	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LL101-42NE-0602-SSXX

Lab Sample ID: 240-13672-36

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3800		1000	310	ug/Kg	1	☼	6010B	Total/NA
Copper	1200000		2600	770	ug/Kg	1	☼	6010B	Total/NA
Iron	10000000		21000	5100	ug/Kg	1	☼	6010B	Total/NA
Lead	68000		310	200	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LL101-42NE-0205-SSXX

Lab Sample ID: 240-13672-37

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	1800		1400	410	ug/Kg	1	☼	6010B	Total/NA
Copper	73000		3400	1000	ug/Kg	1	☼	6010B	Total/NA
Iron	9300000		27000	6600	ug/Kg	1	☼	6010B	Total/NA
Lead	4300		410	260	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LL101-43NW-0006-SSXX

Lab Sample ID: 240-13672-40

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	530	J	990	380	ug/Kg	1	☼	6010B	Total/NA
Arsenic	4800		990	300	ug/Kg	1	☼	6010B	Total/NA
Copper	1500000		2500	730	ug/Kg	1	☼	6010B	Total/NA
Iron	11000000		20000	4800	ug/Kg	1	☼	6010B	Total/NA
Lead	95000		300	190	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LL101-43NW-0602-SSXX

Lab Sample ID: 240-13672-41

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	1600		880	270	ug/Kg	1	☼	6010B	Total/NA
Copper	39000		2200	650	ug/Kg	1	☼	6010B	Total/NA
Iron	6800000		18000	4300	ug/Kg	1	☼	6010B	Total/NA
Lead	2200		270	170	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LL101-43NW-0205-SSXX

Lab Sample ID: 240-13672-42

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2000		1100	320	ug/Kg	1	☼	6010B	Total/NA
Copper	17000		2600	780	ug/Kg	1	☼	6010B	Total/NA
Iron	11000000		21000	5200	ug/Kg	1	☼	6010B	Total/NA
Lead	1700		320	200	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LL101-43SE-0006-SSXX

Lab Sample ID: 240-13672-43

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	18000		1200	360	ug/Kg	1	☼	6010B	Total/NA
Copper	5800000		5900	1800	ug/Kg	2	☼	6010B	Total/NA
Iron	20000000		48000	12000	ug/Kg	2	☼	6010B	Total/NA
Lead	190000		710	450	ug/Kg	2	☼	6010B	Total/NA

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-43SE-0602-SSXX

Lab Sample ID: 240-13672-44

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	5300		930	280	ug/Kg	1	☼	6010B	Total/NA
Copper	1100000		2300	690	ug/Kg	1	☼	6010B	Total/NA
Iron	12000000		19000	4600	ug/Kg	1	☼	6010B	Total/NA
Lead	93000		280	180	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LL101-43SE-0205-SSXX

Lab Sample ID: 240-13672-45

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2000		1000	300	ug/Kg	1	☼	6010B	Total/NA
Copper	540000		2500	740	ug/Kg	1	☼	6010B	Total/NA
Iron	10000000		20000	4900	ug/Kg	1	☼	6010B	Total/NA
Lead	2500		300	190	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LL101-43NE-0006-SSXX

Lab Sample ID: 240-13672-46

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2300		970	290	ug/Kg	1	☼	6010B	Total/NA
Copper	3400000		4900	1400	ug/Kg	2	☼	6010B	Total/NA
Iron	10000000		39000	9500	ug/Kg	2	☼	6010B	Total/NA
Lead	9400		580	370	ug/Kg	2	☼	6010B	Total/NA

Client Sample ID: LL101-43NE-0602-SSXX

Lab Sample ID: 240-13672-47

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	21000		1100	330	ug/Kg	1	☼	6010B	Total/NA
Copper	840000		2700	810	ug/Kg	1	☼	6010B	Total/NA
Iron	17000000		22000	5400	ug/Kg	1	☼	6010B	Total/NA
Lead	21000		330	210	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LL101-43SW-0006-SSXX

Lab Sample ID: 240-13672-48

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	7000		890	270	ug/Kg	1	☼	6010B	Total/NA
Copper	3300000		4500	1300	ug/Kg	2	☼	6010B	Total/NA
Iron	17000000		36000	8800	ug/Kg	2	☼	6010B	Total/NA
Lead	65000		540	340	ug/Kg	2	☼	6010B	Total/NA

Client Sample ID: LL101-43SW-0602-SSXX

Lab Sample ID: 240-13672-49

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	820	J	850	250	ug/Kg	1	☼	6010B	Total/NA
Copper	1200000		2100	630	ug/Kg	1	☼	6010B	Total/NA
Iron	18000000		17000	4200	ug/Kg	1	☼	6010B	Total/NA
Lead	1200		250	160	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LL101-43SW-0205-SSXX

Lab Sample ID: 240-13672-50

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	1900		970	290	ug/Kg	1	☼	6010B	Total/NA
Copper	100000		2400	720	ug/Kg	1	☼	6010B	Total/NA
Iron	8800000		19000	4700	ug/Kg	1	☼	6010B	Total/NA
Lead	3000		290	180	ug/Kg	1	☼	6010B	Total/NA

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-52SE-0006-SSXX

Lab Sample ID: 240-13672-53

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Arsenic	13000		1100	330	ug/Kg	1		☆	6010B	Total/NA
Copper	13000000		11000	3200	ug/Kg	4		☆	6010B	Total/NA
Iron	26000000		87000	21000	ug/Kg	4		☆	6010B	Total/NA
Lead	170000		1300	830	ug/Kg	4		☆	6010B	Total/NA

Client Sample ID: LL101-52SE-0602-SSXX

Lab Sample ID: 240-13672-54

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Arsenic	7800		1100	330	ug/Kg	1		☆	6010B	Total/NA
Copper	610000		2700	810	ug/Kg	1		☆	6010B	Total/NA
Iron	11000000		22000	5400	ug/Kg	1		☆	6010B	Total/NA
Lead	22000		330	210	ug/Kg	1		☆	6010B	Total/NA

Client Sample ID: LL101-52SE-0205-SSXX

Lab Sample ID: 240-13672-55

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Arsenic	3100		1000	310	ug/Kg	1		☆	6010B	Total/NA
Copper	220000		2600	770	ug/Kg	1		☆	6010B	Total/NA
Iron	14000000		21000	5100	ug/Kg	1		☆	6010B	Total/NA
Lead	4500		310	200	ug/Kg	1		☆	6010B	Total/NA

Client Sample ID: LL101-45NW-0006-SSXX

Lab Sample ID: 240-13672-58

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Arsenic	13000		1100	320	ug/Kg	1		☆	6010B	Total/NA
Copper	6500000		11000	3100	ug/Kg	4		☆	6010B	Total/NA
Iron	15000000		85000	21000	ug/Kg	4		☆	6010B	Total/NA
Lead	240000		1300	810	ug/Kg	4		☆	6010B	Total/NA

Client Sample ID: LL101-45NW-0602-SSXX

Lab Sample ID: 240-13672-59

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Antimony	3400		1100	430	ug/Kg	1		☆	6010B	Total/NA
Arsenic	6600		1100	330	ug/Kg	1		☆	6010B	Total/NA
Copper	89000		2800	820	ug/Kg	1		☆	6010B	Total/NA
Iron	13000000		22000	5400	ug/Kg	1		☆	6010B	Total/NA
Lead	39000		330	210	ug/Kg	1		☆	6010B	Total/NA

Client Sample ID: LL101-45NW-0205-SSXX

Lab Sample ID: 240-13672-60

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Arsenic	2500		1200	350	ug/Kg	1		☆	6010B	Total/NA
Copper	160000		3000	870	ug/Kg	1		☆	6010B	Total/NA
Iron	7200000		24000	5800	ug/Kg	1		☆	6010B	Total/NA
Lead	7900		350	220	ug/Kg	1		☆	6010B	Total/NA

Client Sample ID: LL101-45SW-0006-SSXX

Lab Sample ID: 240-13672-61

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Arsenic	13000		930	280	ug/Kg	1		☆	6010B	Total/NA
Copper	9900000		9300	2800	ug/Kg	4		☆	6010B	Total/NA
Iron	22000000		74000	18000	ug/Kg	4		☆	6010B	Total/NA
Lead	450000		1100	710	ug/Kg	4		☆	6010B	Total/NA

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-45SW-0602-SSXX

Lab Sample ID: 240-13672-62

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4500		850	260	ug/Kg	1	☼	6010B	Total/NA
Copper	5700000		8500	2500	ug/Kg	4	☼	6010B	Total/NA
Iron	11000000		68000	17000	ug/Kg	4	☼	6010B	Total/NA
Lead	41000		1000	650	ug/Kg	4	☼	6010B	Total/NA

Client Sample ID: LL101-45SW-0205-SSXX

Lab Sample ID: 240-13672-63

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4700		1000	310	ug/Kg	1	☼	6010B	Total/NA
Copper	5000000		5100	1500	ug/Kg	2	☼	6010B	Total/NA
Iron	13000000		41000	10000	ug/Kg	2	☼	6010B	Total/NA
Lead	7400		610	390	ug/Kg	2	☼	6010B	Total/NA

Client Sample ID: LL101-45NE-0006-SSXX

Lab Sample ID: 240-13672-64

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	500	J	1100	430	ug/Kg	1	☼	6010B	Total/NA
Arsenic	7900		1100	330	ug/Kg	1	☼	6010B	Total/NA
Copper	34000		2700	810	ug/Kg	1	☼	6010B	Total/NA
Iron	27000000		22000	5400	ug/Kg	1	☼	6010B	Total/NA
Lead	2000		330	210	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LL101-45NE-0602-SSXX

Lab Sample ID: 240-13672-65

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3800		930	280	ug/Kg	1	☼	6010B	Total/NA
Copper	160000		2300	690	ug/Kg	1	☼	6010B	Total/NA
Iron	13000000		19000	4500	ug/Kg	1	☼	6010B	Total/NA
Lead	29000		280	180	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LL101-45NE-0205-SSXX

Lab Sample ID: 240-13672-66

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2200		1000	300	ug/Kg	1	☼	6010B	Total/NA
Copper	930000		2500	750	ug/Kg	1	☼	6010B	Total/NA
Iron	8900000		20000	4900	ug/Kg	1	☼	6010B	Total/NA
Lead	32000		300	190	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LL101-54NW-0006-SSXX

Lab Sample ID: 240-13672-69

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	1600		1000	390	ug/Kg	1	☼	6010B	Total/NA
Arsenic	9400		1000	300	ug/Kg	1	☼	6010B	Total/NA
Copper	8100000		13000	3700	ug/Kg	5	☼	6010B	Total/NA
Iron	16000000		20000	4900	ug/Kg	1	☼	6010B	Total/NA
Lead	220000		1500	960	ug/Kg	5	☼	6010B	Total/NA

Client Sample ID: LL101-54NW-0602-SSXX

Lab Sample ID: 240-13672-70

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	2000		1100	440	ug/Kg	1	☼	6010B	Total/NA
Arsenic	9100		1100	330	ug/Kg	1	☼	6010B	Total/NA
Copper	7200000		14000	4100	ug/Kg	5	☼	6010B	Total/NA

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-54NW-0602-SSXX (Continued)

Lab Sample ID: 240-13672-70

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	20000000		22000	5500	ug/Kg	1	✱	6010B	Total/NA
Lead	200000		1700	1100	ug/Kg	5	✱	6010B	Total/NA

Client Sample ID: LL101-54NW-0205-SSXX

Lab Sample ID: 240-13672-71

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	540	J	880	340	ug/Kg	1	✱	6010B	Total/NA
Arsenic	4300		880	260	ug/Kg	1	✱	6010B	Total/NA
Copper	10000000		11000	3200	ug/Kg	5	✱	6010B	Total/NA
Iron	18000000		18000	4300	ug/Kg	1	✱	6010B	Total/NA
Lead	28000		1300	830	ug/Kg	5	✱	6010B	Total/NA

Client Sample ID: LL101-54NE-0006-SSXX

Lab Sample ID: 240-13672-72

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	1400		1100	410	ug/Kg	1	✱	6010B	Total/NA
Arsenic	20000		1100	320	ug/Kg	1	✱	6010B	Total/NA
Copper	16000000		13000	3900	ug/Kg	5	✱	6010B	Total/NA
Iron	24000000		21000	5200	ug/Kg	1	✱	6010B	Total/NA
Lead	210000		1600	1000	ug/Kg	5	✱	6010B	Total/NA

Client Sample ID: LL101-54NE-0602-SSXX

Lab Sample ID: 240-13672-73

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	800	J	1100	430	ug/Kg	1	✱	6010B	Total/NA
Arsenic	17000		1100	330	ug/Kg	1	✱	6010B	Total/NA
Copper	300000		2800	820	ug/Kg	1	✱	6010B	Total/NA
Iron	18000000		22000	5400	ug/Kg	1	✱	6010B	Total/NA
Lead	88000		330	210	ug/Kg	1	✱	6010B	Total/NA

Client Sample ID: LL101-54NE-0205-SSXX

Lab Sample ID: 240-13672-74

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	5800		1000	300	ug/Kg	1	✱	6010B	Total/NA
Copper	15000		2500	740	ug/Kg	1	✱	6010B	Total/NA
Iron	9300000		20000	4900	ug/Kg	1	✱	6010B	Total/NA
Lead	1200		300	190	ug/Kg	1	✱	6010B	Total/NA

Client Sample ID: LL101-54SE-0006-SSXX

Lab Sample ID: 240-13672-75

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	5500		1100	330	ug/Kg	1	✱	6010B	Total/NA
Copper	72000		2800	820	ug/Kg	1	✱	6010B	Total/NA
Iron	13000000		22000	5500	ug/Kg	1	✱	6010B	Total/NA
Lead	2600		330	210	ug/Kg	1	✱	6010B	Total/NA

Client Sample ID: LL101-54SE-0602-SSXX

Lab Sample ID: 240-13672-76

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	1500		910	270	ug/Kg	1	✱	6010B	Total/NA
Copper	72000		2300	670	ug/Kg	1	✱	6010B	Total/NA
Iron	8700000		18000	4400	ug/Kg	1	✱	6010B	Total/NA
Lead	6200		270	170	ug/Kg	1	✱	6010B	Total/NA

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-54SE-0205-SSXX

Lab Sample ID: 240-13672-77

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	7000		1000	310	ug/Kg	1	☼	6010B	Total/NA
Copper	190000		2600	760	ug/Kg	1	☼	6010B	Total/NA
Iron	12000000		20000	5000	ug/Kg	1	☼	6010B	Total/NA
Lead	2100		310	190	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LL101-54SW-0006-SSXX

Lab Sample ID: 240-13672-78

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	1800		1100	420	ug/Kg	1	☼	6010B	Total/NA
Arsenic	7700		1100	320	ug/Kg	1	☼	6010B	Total/NA
Copper	3100000		2700	790	ug/Kg	1	☼	6010B	Total/NA
Iron	22000000		21000	5300	ug/Kg	1	☼	6010B	Total/NA
Lead	100000		320	200	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LL101-54SW-0602-SSXX

Lab Sample ID: 240-13672-79

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	1600		860	260	ug/Kg	1	☼	6010B	Total/NA
Copper	79000		2100	630	ug/Kg	1	☼	6010B	Total/NA
Iron	6800000		17000	4200	ug/Kg	1	☼	6010B	Total/NA
Lead	4100		260	160	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LL101-54SW-0205-SSXX

Lab Sample ID: 240-13672-80

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	6900		1100	320	ug/Kg	1	☼	6010B	Total/NA
Copper	1200000		2700	790	ug/Kg	1	☼	6010B	Total/NA
Iron	13000000		21000	5200	ug/Kg	1	☼	6010B	Total/NA
Lead	35000		320	200	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LL101-71SW-0006-SSXX

Lab Sample ID: 240-13672-81

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	1700		940	370	ug/Kg	1	☼	6010B	Total/NA
Arsenic	8400		940	280	ug/Kg	1	☼	6010B	Total/NA
Copper	8700000		12000	3500	ug/Kg	5	☼	6010B	Total/NA
Iron	17000000		19000	4600	ug/Kg	1	☼	6010B	Total/NA
Lead	73000		1400	890	ug/Kg	5	☼	6010B	Total/NA

Client Sample ID: LL101-71SW-0602-SSXX

Lab Sample ID: 240-13672-82

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2500		1100	330	ug/Kg	1	☼	6010B	Total/NA
Copper	780000		2800	820	ug/Kg	1	☼	6010B	Total/NA
Iron	9400000		22000	5400	ug/Kg	1	☼	6010B	Total/NA
Lead	21000		330	210	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LL101-71SW-0205-SSXX

Lab Sample ID: 240-13672-83

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2400		1000	310	ug/Kg	1	☼	6010B	Total/NA
Copper	30000		2600	770	ug/Kg	1	☼	6010B	Total/NA
Iron	4500000	B	21000	5100	ug/Kg	1	☼	6010B	Total/NA

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-71SW-0205-SSXX (Continued)

Lab Sample ID: 240-13672-83

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	1200		310	200	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LL101-71SE-0006-SSXX

Lab Sample ID: 240-13672-84

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	5000		1000	310	ug/Kg	1	☼	6010B	Total/NA
Copper	1500000		2600	760	ug/Kg	1	☼	6010B	Total/NA
Iron	9500000	B	21000	5000	ug/Kg	1	☼	6010B	Total/NA
Lead	25000		310	200	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LL101-71SE-0602-SSXX

Lab Sample ID: 240-13672-85

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2100		1100	330	ug/Kg	1	☼	6010B	Total/NA
Copper	180000		2700	800	ug/Kg	1	☼	6010B	Total/NA
Iron	8500000	B	22000	5300	ug/Kg	1	☼	6010B	Total/NA
Lead	6100		330	210	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LL101-71SE-0205-SSXX

Lab Sample ID: 240-13672-86

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	1400		1000	300	ug/Kg	1	☼	6010B	Total/NA
Copper	89000		2500	740	ug/Kg	1	☼	6010B	Total/NA
Iron	7000000	B	20000	4900	ug/Kg	1	☼	6010B	Total/NA
Lead	2700		300	190	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LL101-71NW-0006-SSXX

Lab Sample ID: 240-13672-87

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	7700		950	280	ug/Kg	1	☼	6010B	Total/NA
Copper	2500000		2400	700	ug/Kg	1	☼	6010B	Total/NA
Iron	14000000	B	19000	4700	ug/Kg	1	☼	6010B	Total/NA
Lead	52000		280	180	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LL101-71NW-0602-SSXX

Lab Sample ID: 240-13672-88

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	1400		1000	300	ug/Kg	1	☼	6010B	Total/NA
Copper	180000		2500	750	ug/Kg	1	☼	6010B	Total/NA
Iron	7600000	B	20000	4900	ug/Kg	1	☼	6010B	Total/NA
Lead	2000		300	190	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LL101-71NW-0205-SSXX

Lab Sample ID: 240-13672-89

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	780	J	1000	310	ug/Kg	1	☼	6010B	Total/NA
Copper	5100		2500	750	ug/Kg	1	☼	6010B	Total/NA
Iron	4300000	B	20000	5000	ug/Kg	1	☼	6010B	Total/NA
Lead	1100		310	190	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LL101-DP21-XXXX-SSFD

Lab Sample ID: 240-13672-92

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
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Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-DP21-XXXX-SSFD (Continued)

Lab Sample ID: 240-13672-92

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2200		790	240	ug/Kg	1	☼	6010B	Total/NA
Copper	6100000		9900	2900	ug/Kg	5	☼	6010B	Total/NA
Iron	5200000	B	16000	3900	ug/Kg	1	☼	6010B	Total/NA
Lead	2700		1200	750	ug/Kg	5	☼	6010B	Total/NA

Client Sample ID: LL101-DP22-XXXX-SSFD

Lab Sample ID: 240-13672-93

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	5900		1100	330	ug/Kg	1	☼	6010B	Total/NA
Copper	21000		2800	810	ug/Kg	1	☼	6010B	Total/NA
Iron	13000000	B	22000	5400	ug/Kg	1	☼	6010B	Total/NA
Lead	1400		330	210	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LL101-DP23-XXXX-SSFD

Lab Sample ID: 240-13672-94

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	5100		930	280	ug/Kg	1	☼	6010B	Total/NA
Copper	850000		2300	690	ug/Kg	1	☼	6010B	Total/NA
Iron	9300000	B	19000	4600	ug/Kg	1	☼	6010B	Total/NA
Lead	11000		280	180	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LL101-DP24-XXXX-SSFD

Lab Sample ID: 240-13672-95

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3400		1500	440	ug/Kg	1	☼	6010B	Total/NA
Copper	760000		3700	1100	ug/Kg	1	☼	6010B	Total/NA
Iron	7500000	B	30000	7200	ug/Kg	1	☼	6010B	Total/NA
Lead	21000		440	280	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LL101-DP25-XXXX-SSFD

Lab Sample ID: 240-13672-96

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	1600		860	260	ug/Kg	1	☼	6010B	Total/NA
Copper	1100000		2200	640	ug/Kg	1	☼	6010B	Total/NA
Iron	13000000	B	17000	4200	ug/Kg	1	☼	6010B	Total/NA
Lead	5700		260	160	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LL101-DP26-XXXX-SSFD

Lab Sample ID: 240-13672-97

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	1900		810	240	ug/Kg	1	☼	6010B	Total/NA
Copper	800000		2000	600	ug/Kg	1	☼	6010B	Total/NA
Iron	8000000	B	16000	3900	ug/Kg	1	☼	6010B	Total/NA
Lead	14000		240	150	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LL101-DP27-XXXX-SSFD

Lab Sample ID: 240-13672-98

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	1200		780	230	ug/Kg	1	☼	6010B	Total/NA
Copper	21000		1900	580	ug/Kg	1	☼	6010B	Total/NA
Iron	6700000	B	16000	3800	ug/Kg	1	☼	6010B	Total/NA
Lead	1900		230	150	ug/Kg	1	☼	6010B	Total/NA

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-DP28-XXXX-SSFD

Lab Sample ID: 240-13672-99

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4400		1200	360	ug/Kg	1	☼	6010B	Total/NA
Copper	170000		3000	880	ug/Kg	1	☼	6010B	Total/NA
Iron	9700000	B	24000	5800	ug/Kg	1	☼	6010B	Total/NA
Lead	29000		360	230	ug/Kg	1	☼	6010B	Total/NA

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-305E-0006-SSXX

Lab Sample ID: 240-13672-1

Date Collected: 07/28/12 07:19

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 85.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1100	B	1100	440	ug/Kg	☼	08/09/12 11:08	08/10/12 09:16	1
Arsenic	24000		1100	340	ug/Kg	☼	08/09/12 11:08	08/10/12 09:16	1
Copper	3300000		2800	830	ug/Kg	☼	08/09/12 11:08	08/10/12 09:16	1
Iron	20000000	B	22000	5500	ug/Kg	☼	08/09/12 11:08	08/10/12 09:16	1
Lead	910000		340	210	ug/Kg	☼	08/09/12 11:08	08/10/12 09:16	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-305E-0607-SSXX

Lab Sample ID: 240-13672-2

Date Collected: 07/28/12 07:20

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 90.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1700	B	970	380	ug/Kg	☼	08/09/12 11:08	08/10/12 09:22	1
Arsenic	26000		970	290	ug/Kg	☼	08/09/12 11:08	08/10/12 09:22	1
Copper	2700000		2400	720	ug/Kg	☼	08/09/12 11:08	08/10/12 09:22	1
Iron	42000000	B	19000	4800	ug/Kg	☼	08/09/12 11:08	08/10/12 09:22	1
Lead	410000		290	190	ug/Kg	☼	08/09/12 11:08	08/10/12 09:22	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-305E-0205-SSXX

Lab Sample ID: 240-13672-3

Date Collected: 07/28/12 07:21

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 90.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1200	B	850	330	ug/Kg	☼	08/09/12 11:08	08/10/12 11:29	1
Arsenic	3100		850	250	ug/Kg	☼	08/09/12 11:08	08/10/12 09:27	1
Copper	6100000		11000	3100	ug/Kg	☼	08/09/12 11:08	08/10/12 11:35	5
Iron	20000000	B	17000	4200	ug/Kg	☼	08/09/12 11:08	08/10/12 09:27	1
Lead	37000		1300	800	ug/Kg	☼	08/09/12 11:08	08/10/12 11:35	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-30NE-0006-SSXX

Lab Sample ID: 240-13672-4

Date Collected: 07/28/12 07:25

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 84.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2500	B	1100	430	ug/Kg	☼	08/09/12 11:08	08/10/12 09:33	1
Arsenic	16000		1100	330	ug/Kg	☼	08/09/12 11:08	08/10/12 09:33	1
Copper	3600000		2700	810	ug/Kg	☼	08/09/12 11:08	08/10/12 09:33	1
Iron	32000000	B	22000	5400	ug/Kg	☼	08/09/12 11:08	08/10/12 09:33	1
Lead	190000		330	210	ug/Kg	☼	08/09/12 11:08	08/10/12 09:33	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-30NE-0602-SSXX

Lab Sample ID: 240-13672-5

Date Collected: 07/28/12 07:26

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 87.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	3500	J B	5400	2100	ug/Kg	☼	08/09/12 11:08	08/10/12 11:41	5
Arsenic	32000		5400	1600	ug/Kg	☼	08/09/12 11:08	08/10/12 11:41	5
Copper	9700000		13000	4000	ug/Kg	☼	08/09/12 11:08	08/10/12 11:41	5
Iron	77000000	B	110000	26000	ug/Kg	☼	08/09/12 11:08	08/10/12 11:41	5
Lead	79000		1600	1000	ug/Kg	☼	08/09/12 11:08	08/10/12 11:41	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-30NE-0205-SSXX

Lab Sample ID: 240-13672-6

Date Collected: 07/28/12 07:27

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 67.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	960	J B	1200	480	ug/Kg	☼	08/09/12 11:08	08/10/12 09:44	1
Arsenic	18000		1200	370	ug/Kg	☼	08/09/12 11:08	08/10/12 09:44	1
Copper	500000		3100	910	ug/Kg	☼	08/09/12 11:08	08/10/12 09:44	1
Iron	18000000	B	25000	6000	ug/Kg	☼	08/09/12 11:08	08/10/12 09:44	1
Lead	53000		370	230	ug/Kg	☼	08/09/12 11:08	08/10/12 09:44	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-37NW-0006-SSXX

Lab Sample ID: 240-13672-9

Date Collected: 07/28/12 07:43

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 83.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1100	B	1100	450	ug/Kg	☼	08/09/12 11:08	08/10/12 11:46	1
Arsenic	4700		1100	340	ug/Kg	☼	08/09/12 11:08	08/10/12 09:50	1
Copper	350000		2900	840	ug/Kg	☼	08/09/12 11:08	08/10/12 09:50	1
Iron	21000000	B	23000	5600	ug/Kg	☼	08/09/12 11:08	08/10/12 09:50	1
Lead	23000		340	220	ug/Kg	☼	08/09/12 11:08	08/10/12 09:50	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-37NW-0602-SSXX

Lab Sample ID: 240-13672-10

Date Collected: 07/28/12 07:44

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 81.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1000	J B	1200	470	ug/Kg	☼	08/09/12 11:08	08/10/12 09:56	1
Arsenic	4700		1200	360	ug/Kg	☼	08/09/12 11:08	08/10/12 09:56	1
Copper	120000		3000	890	ug/Kg	☼	08/09/12 11:08	08/10/12 09:56	1
Iron	20000000	B	24000	5900	ug/Kg	☼	08/09/12 11:08	08/10/12 09:56	1
Lead	1100		360	230	ug/Kg	☼	08/09/12 11:08	08/10/12 09:56	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-37NW-0205-SSXX

Lab Sample ID: 240-13672-11

Date Collected: 07/28/12 07:45

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 94.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	830	B	810	310	ug/Kg	☼	08/09/12 11:08	08/10/12 11:52	1
Arsenic	2200		810	240	ug/Kg	☼	08/09/12 11:08	08/10/12 10:01	1
Copper	6900000		10000	3000	ug/Kg	☼	08/09/12 11:08	08/10/12 11:58	5
Iron	5800000	B	16000	4000	ug/Kg	☼	08/09/12 11:08	08/10/12 10:01	1
Lead	2200		1200	770	ug/Kg	☼	08/09/12 11:08	08/10/12 11:58	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-36NE-0006-SSXX

Lab Sample ID: 240-13672-14

Date Collected: 07/28/12 08:12

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 88.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	4700	B	1100	430	ug/Kg	☼	08/09/12 11:08	08/10/12 10:07	1
Arsenic	120000		1100	330	ug/Kg	☼	08/09/12 11:08	08/10/12 10:07	1
Copper	45000000		280000	82000	ug/Kg	☼	08/09/12 11:08	08/10/12 12:03	100
Iron	39000000	B	22000	5400	ug/Kg	☼	08/09/12 11:08	08/10/12 10:07	1
Lead	1200000		33000	21000	ug/Kg	☼	08/09/12 11:08	08/10/12 12:03	100

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-36NE-0602-SSXX

Lab Sample ID: 240-13672-15

Date Collected: 07/28/12 08:13

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 88.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	740	J B	930	360	ug/Kg	☼	08/09/12 11:08	08/10/12 12:20	1
Arsenic	3900		930	280	ug/Kg	☼	08/09/12 11:08	08/10/12 10:24	1
Copper	200000		2300	690	ug/Kg	☼	08/09/12 11:08	08/10/12 10:24	1
Iron	9200000	B	19000	4600	ug/Kg	☼	08/09/12 11:08	08/10/12 10:24	1
Lead	6500		280	180	ug/Kg	☼	08/09/12 11:08	08/10/12 10:24	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-36NE-0205-SSXX

Lab Sample ID: 240-13672-16

Date Collected: 07/28/12 08:14

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 61.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	620	J	1600	620	ug/Kg	☼	08/09/12 11:30	08/11/12 01:58	1
Arsenic	21000		1600	480	ug/Kg	☼	08/09/12 11:30	08/11/12 01:58	1
Copper	82000		4000	1200	ug/Kg	☼	08/09/12 11:30	08/11/12 01:58	1
Iron	13000000	B	32000	7800	ug/Kg	☼	08/09/12 11:30	08/13/12 16:09	1
Lead	8500		480	300	ug/Kg	☼	08/09/12 11:30	08/11/12 01:58	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-36NW-0006-SSXX

Lab Sample ID: 240-13672-17

Date Collected: 07/28/12 08:22

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 87.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1100	U	1100	420	ug/Kg	☼	08/09/12 11:30	08/11/12 02:01	1
Arsenic	17000		1100	320	ug/Kg	☼	08/09/12 11:30	08/11/12 02:01	1
Copper	16000000		27000	7900	ug/Kg	☼	08/09/12 11:30	08/13/12 16:13	10
Iron	24000000	B	210000	52000	ug/Kg	☼	08/09/12 11:30	08/13/12 16:13	10
Lead	96000		3200	2000	ug/Kg	☼	08/09/12 11:30	08/13/12 16:13	10

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-36NW-0602-SSXX

Lab Sample ID: 240-13672-18

Date Collected: 07/28/12 08:23

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 89.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1000	U	1000	400	ug/Kg	☼	08/09/12 11:30	08/11/12 01:43	1
Arsenic	3500		1000	310	ug/Kg	☼	08/09/12 11:30	08/11/12 01:43	1
Copper	390000		2600	760	ug/Kg	☼	08/09/12 11:30	08/11/12 01:43	1
Iron	7400000	B	21000	5000	ug/Kg	☼	08/09/12 11:30	08/13/12 15:55	1
Lead	120000		310	200	ug/Kg	☼	08/09/12 11:30	08/11/12 01:43	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-36SW-0006-SSXX

Lab Sample ID: 240-13672-19

Date Collected: 07/28/12 08:28

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 92.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	800	U	800	310	ug/Kg	☼	08/09/12 11:30	08/11/12 02:06	1
Arsenic	2800		800	240	ug/Kg	☼	08/09/12 11:30	08/11/12 02:06	1
Copper	1100000		2000	590	ug/Kg	☼	08/09/12 11:30	08/11/12 02:06	1
Iron	20000000	B	16000	3900	ug/Kg	☼	08/09/12 11:30	08/13/12 16:17	1
Lead	13000		240	150	ug/Kg	☼	08/09/12 11:30	08/11/12 02:06	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-36SW-0602-SSXX

Lab Sample ID: 240-13672-20

Date Collected: 07/28/12 08:29

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 83.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1100	U	1100	450	ug/Kg	☼	08/09/12 11:30	08/11/12 02:10	1
Arsenic	7500		1100	340	ug/Kg	☼	08/09/12 11:30	08/11/12 02:10	1
Copper	6800000		11000	3400	ug/Kg	☼	08/09/12 11:30	08/13/12 16:21	4
Iron	14000000	B	92000	22000	ug/Kg	☼	08/09/12 11:30	08/13/12 16:21	4
Lead	29000		1400	870	ug/Kg	☼	08/09/12 11:30	08/13/12 16:21	4

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-36SW-0205-SSXX

Lab Sample ID: 240-13672-21

Date Collected: 07/28/12 08:30

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 81.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1100	U	1100	430	ug/Kg	☼	08/09/12 11:30	08/11/12 02:14	1
Arsenic	6600		1100	330	ug/Kg	☼	08/09/12 11:30	08/11/12 02:14	1
Copper	230000		2800	820	ug/Kg	☼	08/09/12 11:30	08/11/12 02:14	1
Iron	15000000	B	22000	5400	ug/Kg	☼	08/09/12 11:30	08/13/12 16:33	1
Lead	24000		330	210	ug/Kg	☼	08/09/12 11:30	08/11/12 02:14	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-35NW-0006-SSXX

Lab Sample ID: 240-13672-24

Date Collected: 07/28/12 08:55

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 81.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	800	J	1200	460	ug/Kg	☼	08/09/12 11:30	08/11/12 02:25	1
Arsenic	16000		1200	350	ug/Kg	☼	08/09/12 11:30	08/11/12 02:25	1
Copper	4200000		5900	1700	ug/Kg	☼	08/09/12 11:30	08/13/12 16:36	2
Iron	16000000	B	47000	11000	ug/Kg	☼	08/09/12 11:30	08/13/12 16:36	2
Lead	110000		700	450	ug/Kg	☼	08/09/12 11:30	08/13/12 16:36	2

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-35NW-0602-SSXX

Lab Sample ID: 240-13672-25

Date Collected: 07/28/12 08:56

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 86.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1100	U	1100	420	ug/Kg	☼	08/09/12 11:30	08/11/12 02:30	1
Arsenic	10000		1100	320	ug/Kg	☼	08/09/12 11:30	08/11/12 02:30	1
Copper	310000		2700	790	ug/Kg	☼	08/09/12 11:30	08/11/12 02:30	1
Iron	11000000	B	21000	5200	ug/Kg	☼	08/09/12 11:30	08/13/12 16:40	1
Lead	10000		320	200	ug/Kg	☼	08/09/12 11:30	08/11/12 02:30	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-35NW-0205-SSXX

Lab Sample ID: 240-13672-26

Date Collected: 07/28/12 08:57

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 86.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1100	U	1100	440	ug/Kg	☼	08/09/12 11:30	08/11/12 02:34	1
Arsenic	6700		1100	340	ug/Kg	☼	08/09/12 11:30	08/11/12 02:34	1
Copper	250000		2800	840	ug/Kg	☼	08/09/12 11:30	08/11/12 02:34	1
Iron	12000000	B	23000	5600	ug/Kg	☼	08/09/12 11:30	08/13/12 16:44	1
Lead	22000		340	220	ug/Kg	☼	08/09/12 11:30	08/11/12 02:34	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-35NE-0006-SSXX

Lab Sample ID: 240-13672-27

Date Collected: 07/28/12 09:04

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 85.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1100	U	1100	410	ug/Kg	☼	08/09/12 11:30	08/11/12 02:37	1
Arsenic	17000		1100	320	ug/Kg	☼	08/09/12 11:30	08/11/12 02:37	1
Copper	16000000		26000	7800	ug/Kg	☼	08/09/12 11:30	08/13/12 16:59	10
Iron	21000000	B	210000	52000	ug/Kg	☼	08/09/12 11:30	08/13/12 16:59	10
Lead	260000		3200	2000	ug/Kg	☼	08/09/12 11:30	08/13/12 16:59	10

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-35NE-0602-SSXX

Lab Sample ID: 240-13672-28

Date Collected: 07/28/12 09:05

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 88.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	890	U	890	350	ug/Kg	☼	08/09/12 11:30	08/11/12 02:42	1
Arsenic	3800		890	270	ug/Kg	☼	08/09/12 11:30	08/11/12 02:42	1
Copper	490000		2200	660	ug/Kg	☼	08/09/12 11:30	08/11/12 02:42	1
Iron	9300000	B	18000	4400	ug/Kg	☼	08/09/12 11:30	08/13/12 17:02	1
Lead	10000		270	170	ug/Kg	☼	08/09/12 11:30	08/11/12 02:42	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-35NE-0205-SSXX

Lab Sample ID: 240-13672-29

Date Collected: 07/28/12 09:06

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 86.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1100	U	1100	430	ug/Kg	☼	08/09/12 11:30	08/11/12 02:46	1
Arsenic	26000		1100	330	ug/Kg	☼	08/09/12 11:30	08/11/12 02:46	1
Copper	950000		2800	820	ug/Kg	☼	08/09/12 11:30	08/11/12 02:46	1
Iron	22000000	B	22000	5400	ug/Kg	☼	08/09/12 11:30	08/13/12 17:06	1
Lead	12000		330	210	ug/Kg	☼	08/09/12 11:30	08/11/12 02:46	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-42NW-0006-SSXX

Lab Sample ID: 240-13672-32

Date Collected: 07/28/12 10:26

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 92.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	840	U	840	330	ug/Kg	☼	08/09/12 11:30	08/11/12 02:50	1
Arsenic	7300		840	250	ug/Kg	☼	08/09/12 11:30	08/11/12 02:50	1
Copper	2200000		2100	620	ug/Kg	☼	08/09/12 11:30	08/11/12 02:50	1
Iron	19000000	B	17000	4100	ug/Kg	☼	08/09/12 11:30	08/13/12 17:10	1
Lead	130000		250	160	ug/Kg	☼	08/09/12 11:30	08/11/12 02:50	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-42NW-0602-SSXX

Lab Sample ID: 240-13672-33

Date Collected: 07/28/12 10:27

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 85.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	430	J	980	380	ug/Kg	☼	08/09/12 11:30	08/11/12 02:54	1
Arsenic	9100		980	290	ug/Kg	☼	08/09/12 11:30	08/11/12 02:54	1
Copper	150000		2500	730	ug/Kg	☼	08/09/12 11:30	08/11/12 02:54	1
Iron	11000000	B	20000	4800	ug/Kg	☼	08/09/12 11:30	08/13/12 17:22	1
Lead	12000		290	190	ug/Kg	☼	08/09/12 11:30	08/11/12 02:54	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-42NW-0205-SSXX

Lab Sample ID: 240-13672-34

Date Collected: 07/28/12 10:28

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 79.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1200	U	1200	460	ug/Kg	☼	08/09/12 11:30	08/11/12 02:58	1
Arsenic	8300		1200	360	ug/Kg	☼	08/09/12 11:30	08/11/12 02:58	1
Copper	700000		3000	880	ug/Kg	☼	08/09/12 11:30	08/11/12 02:58	1
Iron	13000000	B	24000	5800	ug/Kg	☼	08/09/12 11:30	08/13/12 17:26	1
Lead	23000		360	230	ug/Kg	☼	08/09/12 11:30	08/11/12 02:58	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-42NE-0006-SSXX

Lab Sample ID: 240-13672-35

Date Collected: 07/28/12 10:35

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 88.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	880	U	880	340	ug/Kg	☼	08/09/12 11:30	08/11/12 03:02	1
Arsenic	3900		880	260	ug/Kg	☼	08/09/12 11:30	08/11/12 03:02	1
Copper	1800000		2200	650	ug/Kg	☼	08/09/12 11:30	08/11/12 03:02	1
Iron	13000000	B	18000	4300	ug/Kg	☼	08/09/12 11:30	08/13/12 17:30	1
Lead	63000		260	170	ug/Kg	☼	08/09/12 11:30	08/11/12 03:02	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-42NE-0602-SSXX

Lab Sample ID: 240-13672-36

Date Collected: 07/28/12 10:36

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 86.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1000	U	1000	400	ug/Kg	☼	08/09/12 11:30	08/11/12 03:13	1
Arsenic	3800		1000	310	ug/Kg	☼	08/09/12 11:30	08/11/12 03:13	1
Copper	1200000		2600	770	ug/Kg	☼	08/09/12 11:30	08/11/12 03:13	1
Iron	10000000		21000	5100	ug/Kg	☼	08/09/12 11:30	08/11/12 03:13	1
Lead	68000		310	200	ug/Kg	☼	08/09/12 11:30	08/11/12 03:13	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-42NE-0205-SSXX

Lab Sample ID: 240-13672-37

Date Collected: 07/28/12 10:37

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 66.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1400	U	1400	530	ug/Kg	☼	08/09/12 11:30	08/11/12 03:17	1
Arsenic	1800		1400	410	ug/Kg	☼	08/09/12 11:30	08/11/12 03:17	1
Copper	73000		3400	1000	ug/Kg	☼	08/09/12 11:30	08/11/12 03:17	1
Iron	9300000		27000	6600	ug/Kg	☼	08/09/12 11:30	08/11/12 03:17	1
Lead	4300		410	260	ug/Kg	☼	08/09/12 11:30	08/11/12 03:17	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-43NW-0006-SSXX

Lab Sample ID: 240-13672-40

Date Collected: 07/28/12 10:59

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 92.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	530	J	990	380	ug/Kg	☼	08/09/12 11:30	08/11/12 03:21	1
Arsenic	4800		990	300	ug/Kg	☼	08/09/12 11:30	08/11/12 03:21	1
Copper	1500000		2500	730	ug/Kg	☼	08/09/12 11:30	08/11/12 03:21	1
Iron	11000000		20000	4800	ug/Kg	☼	08/09/12 11:30	08/11/12 03:21	1
Lead	95000		300	190	ug/Kg	☼	08/09/12 11:30	08/11/12 03:21	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-43NW-0602-SSXX

Lab Sample ID: 240-13672-41

Date Collected: 07/28/12 11:00

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 92.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	880	U	880	340	ug/Kg	☼	08/09/12 11:30	08/11/12 03:26	1
Arsenic	1600		880	270	ug/Kg	☼	08/09/12 11:30	08/11/12 03:26	1
Copper	39000		2200	650	ug/Kg	☼	08/09/12 11:30	08/11/12 03:26	1
Iron	6800000		18000	4300	ug/Kg	☼	08/09/12 11:30	08/11/12 03:26	1
Lead	2200		270	170	ug/Kg	☼	08/09/12 11:30	08/11/12 03:26	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-43NW-0205-SSXX

Lab Sample ID: 240-13672-42

Date Collected: 07/28/12 11:01

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 89.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1100	U	1100	410	ug/Kg	☼	08/09/12 12:14	08/10/12 23:29	1
Arsenic	2000		1100	320	ug/Kg	☼	08/09/12 12:14	08/10/12 23:29	1
Copper	17000		2600	780	ug/Kg	☼	08/09/12 12:14	08/10/12 23:29	1
Iron	11000000		21000	5200	ug/Kg	☼	08/09/12 12:14	08/13/12 13:55	1
Lead	1700		320	200	ug/Kg	☼	08/09/12 12:14	08/10/12 23:29	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-43SE-0006-SSXX

Lab Sample ID: 240-13672-43

Date Collected: 07/28/12 11:07

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 79.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1200	U	1200	460	ug/Kg	☼	08/09/12 12:14	08/10/12 23:44	1
Arsenic	18000		1200	360	ug/Kg	☼	08/09/12 12:14	08/10/12 23:44	1
Copper	5800000		5900	1800	ug/Kg	☼	08/09/12 12:14	08/13/12 14:18	2
Iron	20000000		48000	12000	ug/Kg	☼	08/09/12 12:14	08/13/12 14:18	2
Lead	190000		710	450	ug/Kg	☼	08/09/12 12:14	08/13/12 14:18	2

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-43SE-0602-SSXX

Lab Sample ID: 240-13672-44

Date Collected: 07/28/12 11:08

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 85.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	930	U	930	360	ug/Kg	☼	08/09/12 12:14	08/10/12 23:49	1
Arsenic	5300		930	280	ug/Kg	☼	08/09/12 12:14	08/10/12 23:49	1
Copper	1100000		2300	690	ug/Kg	☼	08/09/12 12:14	08/10/12 23:49	1
Iron	12000000		19000	4600	ug/Kg	☼	08/09/12 12:14	08/13/12 14:22	1
Lead	93000		280	180	ug/Kg	☼	08/09/12 12:14	08/10/12 23:49	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-43SE-0205-SSXX

Lab Sample ID: 240-13672-45

Date Collected: 07/28/12 11:09

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 82.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1000	U	1000	390	ug/Kg	☼	08/09/12 12:14	08/10/12 23:53	1
Arsenic	2000		1000	300	ug/Kg	☼	08/09/12 12:14	08/10/12 23:53	1
Copper	540000		2500	740	ug/Kg	☼	08/09/12 12:14	08/10/12 23:53	1
Iron	10000000		20000	4900	ug/Kg	☼	08/09/12 12:14	08/13/12 14:26	1
Lead	2500		300	190	ug/Kg	☼	08/09/12 12:14	08/10/12 23:53	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-43NE-0006-SSXX

Lab Sample ID: 240-13672-46

Date Collected: 07/28/12 11:16

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 90.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	970	U	970	380	ug/Kg	☼	08/09/12 12:14	08/11/12 00:05	1
Arsenic	2300		970	290	ug/Kg	☼	08/09/12 12:14	08/11/12 00:05	1
Copper	3400000		4900	1400	ug/Kg	☼	08/09/12 12:14	08/13/12 14:30	2
Iron	10000000		39000	9500	ug/Kg	☼	08/09/12 12:14	08/13/12 14:30	2
Lead	9400		580	370	ug/Kg	☼	08/09/12 12:14	08/13/12 14:30	2

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-43NE-0602-SSXX

Lab Sample ID: 240-13672-47

Date Collected: 07/28/12 11:17

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 83.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1100	U	1100	430	ug/Kg	☼	08/09/12 12:14	08/11/12 00:09	1
Arsenic	21000		1100	330	ug/Kg	☼	08/09/12 12:14	08/11/12 00:09	1
Copper	840000		2700	810	ug/Kg	☼	08/09/12 12:14	08/11/12 00:09	1
Iron	17000000		22000	5400	ug/Kg	☼	08/09/12 12:14	08/13/12 14:33	1
Lead	21000		330	210	ug/Kg	☼	08/09/12 12:14	08/11/12 00:09	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-43SW-0006-SSXX

Lab Sample ID: 240-13672-48

Date Collected: 07/28/12 11:20

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 92.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	890	U	890	350	ug/Kg	☼	08/09/12 12:14	08/11/12 00:17	1
Arsenic	7000		890	270	ug/Kg	☼	08/09/12 12:14	08/11/12 00:17	1
Copper	3300000		4500	1300	ug/Kg	☼	08/09/12 12:14	08/13/12 14:37	2
Iron	17000000		36000	8800	ug/Kg	☼	08/09/12 12:14	08/13/12 14:37	2
Lead	65000		540	340	ug/Kg	☼	08/09/12 12:14	08/13/12 14:37	2

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-43SW-0602-SSXX

Lab Sample ID: 240-13672-49

Date Collected: 07/28/12 11:21

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 96.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	850	U	850	330	ug/Kg	☼	08/09/12 12:14	08/11/12 00:21	1
Arsenic	820	J	850	250	ug/Kg	☼	08/09/12 12:14	08/11/12 00:21	1
Copper	1200000		2100	630	ug/Kg	☼	08/09/12 12:14	08/11/12 00:21	1
Iron	18000000		17000	4200	ug/Kg	☼	08/09/12 12:14	08/13/12 14:41	1
Lead	1200		250	160	ug/Kg	☼	08/09/12 12:14	08/11/12 00:21	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-43SW-0205-SSXX

Lab Sample ID: 240-13672-50

Date Collected: 07/28/12 11:22

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 88.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	970	U	970	380	ug/Kg	☼	08/09/12 12:14	08/11/12 00:25	1
Arsenic	1900		970	290	ug/Kg	☼	08/09/12 12:14	08/11/12 00:25	1
Copper	100000		2400	720	ug/Kg	☼	08/09/12 12:14	08/11/12 00:25	1
Iron	8800000		19000	4700	ug/Kg	☼	08/09/12 12:14	08/13/12 14:46	1
Lead	3000		290	180	ug/Kg	☼	08/09/12 12:14	08/11/12 00:25	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-52SE-0006-SSXX

Lab Sample ID: 240-13672-53

Date Collected: 07/28/12 11:45

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 79.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1100	U	1100	420	ug/Kg	☼	08/09/12 12:14	08/11/12 00:29	1
Arsenic	13000		1100	330	ug/Kg	☼	08/09/12 12:14	08/11/12 00:29	1
Copper	13000000		11000	3200	ug/Kg	☼	08/09/12 12:14	08/13/12 14:49	4
Iron	26000000		87000	21000	ug/Kg	☼	08/09/12 12:14	08/13/12 14:49	4
Lead	170000		1300	830	ug/Kg	☼	08/09/12 12:14	08/13/12 14:49	4

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-52SE-0602-SSXX

Lab Sample ID: 240-13672-54

Date Collected: 07/28/12 11:46

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 83.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1100	U	1100	430	ug/Kg	☼	08/09/12 12:14	08/11/12 00:33	1
Arsenic	7800		1100	330	ug/Kg	☼	08/09/12 12:14	08/11/12 00:33	1
Copper	610000		2700	810	ug/Kg	☼	08/09/12 12:14	08/11/12 00:33	1
Iron	11000000		22000	5400	ug/Kg	☼	08/09/12 12:14	08/13/12 15:01	1
Lead	22000		330	210	ug/Kg	☼	08/09/12 12:14	08/11/12 00:33	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-52SE-0205-SSXX

Lab Sample ID: 240-13672-55

Date Collected: 07/28/12 11:47

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 86.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1000	U	1000	410	ug/Kg	☼	08/09/12 12:14	08/11/12 00:41	1
Arsenic	3100		1000	310	ug/Kg	☼	08/09/12 12:14	08/11/12 00:41	1
Copper	220000		2600	770	ug/Kg	☼	08/09/12 12:14	08/11/12 00:41	1
Iron	14000000		21000	5100	ug/Kg	☼	08/09/12 12:14	08/13/12 15:05	1
Lead	4500		310	200	ug/Kg	☼	08/09/12 12:14	08/11/12 00:41	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-45NW-0006-SSXX

Lab Sample ID: 240-13672-58

Date Collected: 07/28/12 13:37

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 89.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1100	U	1100	410	ug/Kg	☼	08/09/12 12:14	08/11/12 00:52	1
Arsenic	13000		1100	320	ug/Kg	☼	08/09/12 12:14	08/11/12 00:52	1
Copper	6500000		11000	3100	ug/Kg	☼	08/09/12 12:14	08/13/12 20:13	4
Iron	15000000		85000	21000	ug/Kg	☼	08/09/12 12:14	08/13/12 20:13	4
Lead	240000		1300	810	ug/Kg	☼	08/09/12 12:14	08/13/12 20:13	4

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-45NW-0602-SSXX

Lab Sample ID: 240-13672-59

Date Collected: 07/28/12 13:38

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 85.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	3400		1100	430	ug/Kg	☼	08/09/12 12:14	08/11/12 00:56	1
Arsenic	6600		1100	330	ug/Kg	☼	08/09/12 12:14	08/11/12 00:56	1
Copper	89000		2800	820	ug/Kg	☼	08/09/12 12:14	08/11/12 00:56	1
Iron	13000000		22000	5400	ug/Kg	☼	08/09/12 12:14	08/13/12 15:12	1
Lead	39000		330	210	ug/Kg	☼	08/09/12 12:14	08/11/12 00:56	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-45NW-0205-SSXX

Lab Sample ID: 240-13672-60

Date Collected: 07/28/12 13:39

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 81.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1200	U	1200	460	ug/Kg	☼	08/09/12 12:14	08/11/12 01:04	1
Arsenic	2500		1200	350	ug/Kg	☼	08/09/12 12:14	08/11/12 01:04	1
Copper	160000		3000	870	ug/Kg	☼	08/09/12 12:14	08/11/12 01:04	1
Iron	7200000		24000	5800	ug/Kg	☼	08/09/12 12:14	08/13/12 15:16	1
Lead	7900		350	220	ug/Kg	☼	08/09/12 12:14	08/11/12 01:04	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-45SW-0006-SSXX

Lab Sample ID: 240-13672-61

Date Collected: 07/28/12 13:48

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 93.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	930	U	930	360	ug/Kg	☼	08/09/12 12:14	08/11/12 01:08	1
Arsenic	13000		930	280	ug/Kg	☼	08/09/12 12:14	08/11/12 01:08	1
Copper	9900000		9300	2800	ug/Kg	☼	08/09/12 12:14	08/13/12 15:20	4
Iron	22000000		74000	18000	ug/Kg	☼	08/09/12 12:14	08/13/12 15:20	4
Lead	450000		1100	710	ug/Kg	☼	08/09/12 12:14	08/13/12 15:20	4

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-45SW-0602-SSXX

Lab Sample ID: 240-13672-62

Date Collected: 07/28/12 13:49

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 94.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	850	U	850	330	ug/Kg	☼	08/09/12 12:14	08/11/12 01:12	1
Arsenic	4500		850	260	ug/Kg	☼	08/09/12 12:14	08/11/12 01:12	1
Copper	5700000		8500	2500	ug/Kg	☼	08/09/12 12:14	08/13/12 15:24	4
Iron	11000000		68000	17000	ug/Kg	☼	08/09/12 12:14	08/13/12 15:24	4
Lead	41000		1000	650	ug/Kg	☼	08/09/12 12:14	08/13/12 15:24	4

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-45SW-0205-SSXX

Lab Sample ID: 240-13672-63

Date Collected: 07/28/12 13:50

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 94.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1000	U	1000	400	ug/Kg	☼	08/09/12 12:14	08/11/12 01:16	1
Arsenic	4700		1000	310	ug/Kg	☼	08/09/12 12:14	08/11/12 01:16	1
Copper	5000000		5100	1500	ug/Kg	☼	08/09/12 12:14	08/13/12 15:28	2
Iron	13000000		41000	10000	ug/Kg	☼	08/09/12 12:14	08/13/12 15:28	2
Lead	7400		610	390	ug/Kg	☼	08/09/12 12:14	08/13/12 15:28	2

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-45NE-0006-SSXX

Lab Sample ID: 240-13672-64

Date Collected: 07/28/12 13:55

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 88.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	500	J	1100	430	ug/Kg	☼	08/09/12 12:14	08/11/12 01:20	1
Arsenic	7900		1100	330	ug/Kg	☼	08/09/12 12:14	08/11/12 01:20	1
Copper	34000		2700	810	ug/Kg	☼	08/09/12 12:14	08/11/12 01:20	1
Iron	27000000		22000	5400	ug/Kg	☼	08/09/12 12:14	08/13/12 15:32	1
Lead	2000		330	210	ug/Kg	☼	08/09/12 12:14	08/11/12 01:20	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-45NE-0602-SSXX

Lab Sample ID: 240-13672-65

Date Collected: 07/28/12 13:56

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 92.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	930	U	930	360	ug/Kg	☼	08/09/12 12:14	08/11/12 01:24	1
Arsenic	3800		930	280	ug/Kg	☼	08/09/12 12:14	08/11/12 01:24	1
Copper	160000		2300	690	ug/Kg	☼	08/09/12 12:14	08/11/12 01:24	1
Iron	13000000		19000	4500	ug/Kg	☼	08/09/12 12:14	08/13/12 15:36	1
Lead	29000		280	180	ug/Kg	☼	08/09/12 12:14	08/11/12 01:24	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-45NE-0205-SSXX

Lab Sample ID: 240-13672-66

Date Collected: 07/28/12 13:57

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 92.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1000	U	1000	390	ug/Kg	☼	08/10/12 11:34	08/13/12 21:27	1
Arsenic	2200		1000	300	ug/Kg	☼	08/10/12 11:34	08/13/12 21:27	1
Copper	930000		2500	750	ug/Kg	☼	08/10/12 11:34	08/13/12 21:27	1
Iron	8900000		20000	4900	ug/Kg	☼	08/10/12 11:34	08/13/12 21:27	1
Lead	32000		300	190	ug/Kg	☼	08/10/12 11:34	08/13/12 21:27	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-54NW-0006-SSXX

Lab Sample ID: 240-13672-69

Date Collected: 07/28/12 14:19

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 86.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1600		1000	390	ug/Kg	☼	08/10/12 11:34	08/13/12 21:33	1
Arsenic	9400		1000	300	ug/Kg	☼	08/10/12 11:34	08/13/12 21:33	1
Copper	8100000		13000	3700	ug/Kg	☼	08/10/12 11:34	08/14/12 06:36	5
Iron	16000000		20000	4900	ug/Kg	☼	08/10/12 11:34	08/13/12 21:33	1
Lead	220000		1500	960	ug/Kg	☼	08/10/12 11:34	08/14/12 06:36	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-54NW-0602-SSXX

Lab Sample ID: 240-13672-70

Date Collected: 07/28/12 14:20

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 88.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2000		1100	440	ug/Kg	☼	08/10/12 11:34	08/13/12 20:53	1
Arsenic	9100		1100	330	ug/Kg	☼	08/10/12 11:34	08/13/12 20:53	1
Copper	7200000		14000	4100	ug/Kg	☼	08/10/12 11:34	08/14/12 06:02	5
Iron	20000000		22000	5500	ug/Kg	☼	08/10/12 11:34	08/13/12 20:53	1
Lead	200000		1700	1100	ug/Kg	☼	08/10/12 11:34	08/14/12 06:02	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-54NW-0205-SSXX

Lab Sample ID: 240-13672-71

Date Collected: 07/28/12 14:24

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 93.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	540	J	880	340	ug/Kg	☼	08/10/12 11:34	08/14/12 06:42	1
Arsenic	4300		880	260	ug/Kg	☼	08/10/12 11:34	08/13/12 21:39	1
Copper	10000000		11000	3200	ug/Kg	☼	08/10/12 11:34	08/14/12 06:48	5
Iron	18000000		18000	4300	ug/Kg	☼	08/10/12 11:34	08/13/12 21:39	1
Lead	28000		1300	830	ug/Kg	☼	08/10/12 11:34	08/14/12 06:48	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-54NE-0006-SSXX

Lab Sample ID: 240-13672-72

Date Collected: 07/28/12 14:26

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 86.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1400		1100	410	ug/Kg	☼	08/10/12 11:34	08/13/12 21:44	1
Arsenic	20000		1100	320	ug/Kg	☼	08/10/12 11:34	08/13/12 21:44	1
Copper	16000000		13000	3900	ug/Kg	☼	08/10/12 11:34	08/14/12 06:53	5
Iron	24000000		21000	5200	ug/Kg	☼	08/10/12 11:34	08/13/12 21:44	1
Lead	210000		1600	1000	ug/Kg	☼	08/10/12 11:34	08/14/12 06:53	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-54NE-0602-SSXX

Lab Sample ID: 240-13672-73

Date Collected: 07/28/12 14:27

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 89.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	800	J	1100	430	ug/Kg	☼	08/10/12 11:34	08/13/12 21:50	1
Arsenic	17000		1100	330	ug/Kg	☼	08/10/12 11:34	08/13/12 21:50	1
Copper	300000		2800	820	ug/Kg	☼	08/10/12 11:34	08/13/12 21:50	1
Iron	18000000		22000	5400	ug/Kg	☼	08/10/12 11:34	08/13/12 21:50	1
Lead	88000		330	210	ug/Kg	☼	08/10/12 11:34	08/13/12 21:50	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-54NE-0205-SSXX

Lab Sample ID: 240-13672-74

Date Collected: 07/28/12 14:28

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 97.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1000	U	1000	390	ug/Kg	☼	08/10/12 11:34	08/13/12 21:56	1
Arsenic	5800		1000	300	ug/Kg	☼	08/10/12 11:34	08/13/12 21:56	1
Copper	15000		2500	740	ug/Kg	☼	08/10/12 11:34	08/13/12 21:56	1
Iron	9300000		20000	4900	ug/Kg	☼	08/10/12 11:34	08/13/12 21:56	1
Lead	1200		300	190	ug/Kg	☼	08/10/12 11:34	08/13/12 21:56	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-54SE-0006-SSXX

Lab Sample ID: 240-13672-75

Date Collected: 07/28/12 14:37

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 89.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1100	U	1100	430	ug/Kg	☼	08/10/12 11:34	08/13/12 22:01	1
Arsenic	5500		1100	330	ug/Kg	☼	08/10/12 11:34	08/13/12 22:01	1
Copper	72000		2800	820	ug/Kg	☼	08/10/12 11:34	08/13/12 22:01	1
Iron	13000000		22000	5500	ug/Kg	☼	08/10/12 11:34	08/13/12 22:01	1
Lead	2600		330	210	ug/Kg	☼	08/10/12 11:34	08/13/12 22:01	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-54SE-0602-SSXX

Lab Sample ID: 240-13672-76

Date Collected: 07/28/12 14:38

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 91.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	910	U	910	350	ug/Kg	☼	08/10/12 11:34	08/13/12 22:07	1
Arsenic	1500		910	270	ug/Kg	☼	08/10/12 11:34	08/13/12 22:07	1
Copper	72000		2300	670	ug/Kg	☼	08/10/12 11:34	08/13/12 22:07	1
Iron	8700000		18000	4400	ug/Kg	☼	08/10/12 11:34	08/13/12 22:07	1
Lead	6200		270	170	ug/Kg	☼	08/10/12 11:34	08/13/12 22:07	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-54SE-0205-SSXX

Lab Sample ID: 240-13672-77

Date Collected: 07/28/12 14:39

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 88.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1000	U	1000	400	ug/Kg	☼	08/10/12 11:34	08/13/12 22:24	1
Arsenic	7000		1000	310	ug/Kg	☼	08/10/12 11:34	08/13/12 22:24	1
Copper	190000		2600	760	ug/Kg	☼	08/10/12 11:34	08/13/12 22:24	1
Iron	12000000		20000	5000	ug/Kg	☼	08/10/12 11:34	08/13/12 22:24	1
Lead	2100		310	190	ug/Kg	☼	08/10/12 11:34	08/13/12 22:24	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-54SW-0006-SSXX

Lab Sample ID: 240-13672-78

Date Collected: 07/28/12 14:43

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 87.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1800		1100	420	ug/Kg	☼	08/10/12 11:34	08/14/12 09:09	1
Arsenic	7700		1100	320	ug/Kg	☼	08/10/12 11:34	08/13/12 22:30	1
Copper	3100000		2700	790	ug/Kg	☼	08/10/12 11:34	08/13/12 22:30	1
Iron	22000000		21000	5300	ug/Kg	☼	08/10/12 11:34	08/13/12 22:30	1
Lead	100000		320	200	ug/Kg	☼	08/10/12 11:34	08/13/12 22:30	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-54SW-0602-SSXX

Lab Sample ID: 240-13672-79

Date Collected: 07/28/12 14:44

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 94.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	860	U	860	330	ug/Kg	☼	08/10/12 11:34	08/13/12 22:35	1
Arsenic	1600		860	260	ug/Kg	☼	08/10/12 11:34	08/13/12 22:35	1
Copper	79000		2100	630	ug/Kg	☼	08/10/12 11:34	08/13/12 22:35	1
Iron	6800000		17000	4200	ug/Kg	☼	08/10/12 11:34	08/13/12 22:35	1
Lead	4100		260	160	ug/Kg	☼	08/10/12 11:34	08/13/12 22:35	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-54SW-0205-SSXX

Lab Sample ID: 240-13672-80

Date Collected: 07/28/12 14:45

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 78.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1100	U	1100	420	ug/Kg	☼	08/10/12 11:34	08/13/12 22:41	1
Arsenic	6900		1100	320	ug/Kg	☼	08/10/12 11:34	08/13/12 22:41	1
Copper	1200000		2700	790	ug/Kg	☼	08/10/12 11:34	08/13/12 22:41	1
Iron	13000000		21000	5200	ug/Kg	☼	08/10/12 11:34	08/13/12 22:41	1
Lead	35000		320	200	ug/Kg	☼	08/10/12 11:34	08/13/12 22:41	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-71SW-0006-SSXX

Lab Sample ID: 240-13672-81

Date Collected: 07/28/12 15:03

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 88.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1700		940	370	ug/Kg	☼	08/10/12 11:34	08/13/12 22:47	1
Arsenic	8400		940	280	ug/Kg	☼	08/10/12 11:34	08/13/12 22:47	1
Copper	8700000		12000	3500	ug/Kg	☼	08/10/12 11:34	08/14/12 07:05	5
Iron	17000000		19000	4600	ug/Kg	☼	08/10/12 11:34	08/13/12 22:47	1
Lead	73000		1400	890	ug/Kg	☼	08/10/12 11:34	08/14/12 07:05	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-71SW-0602-SSXX

Lab Sample ID: 240-13672-82

Date Collected: 07/28/12 15:04

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 81.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1100	U	1100	430	ug/Kg	☼	08/10/12 11:34	08/13/12 22:52	1
Arsenic	2500		1100	330	ug/Kg	☼	08/10/12 11:34	08/13/12 22:52	1
Copper	780000		2800	820	ug/Kg	☼	08/10/12 11:34	08/13/12 22:52	1
Iron	9400000		22000	5400	ug/Kg	☼	08/10/12 11:34	08/13/12 22:52	1
Lead	21000		330	210	ug/Kg	☼	08/10/12 11:34	08/13/12 22:52	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-71SW-0205-SSXX

Lab Sample ID: 240-13672-83

Date Collected: 07/28/12 15:05

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 92.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1000	U	1000	410	ug/Kg	☼	08/10/12 12:06	08/13/12 12:03	1
Arsenic	2400		1000	310	ug/Kg	☼	08/10/12 12:06	08/13/12 12:03	1
Copper	30000		2600	770	ug/Kg	☼	08/10/12 12:06	08/13/12 12:03	1
Iron	4500000	B	21000	5100	ug/Kg	☼	08/10/12 12:06	08/13/12 12:03	1
Lead	1200		310	200	ug/Kg	☼	08/10/12 12:06	08/13/12 12:03	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-71SE-0006-SSXX

Lab Sample ID: 240-13672-84

Date Collected: 07/28/12 15:10

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 89.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1000	U	1000	400	ug/Kg	☼	08/10/12 12:06	08/13/12 12:17	1
Arsenic	5000		1000	310	ug/Kg	☼	08/10/12 12:06	08/13/12 12:17	1
Copper	1500000		2600	760	ug/Kg	☼	08/10/12 12:06	08/13/12 12:17	1
Iron	9500000	B	21000	5000	ug/Kg	☼	08/10/12 12:06	08/13/12 12:17	1
Lead	25000		310	200	ug/Kg	☼	08/10/12 12:06	08/13/12 12:17	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-71SE-0602-SSXX

Lab Sample ID: 240-13672-85

Date Collected: 07/28/12 15:11

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 86.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1100	U	1100	420	ug/Kg	☼	08/10/12 12:06	08/13/12 12:21	1
Arsenic	2100		1100	330	ug/Kg	☼	08/10/12 12:06	08/13/12 12:21	1
Copper	180000		2700	800	ug/Kg	☼	08/10/12 12:06	08/13/12 12:21	1
Iron	8500000	B	22000	5300	ug/Kg	☼	08/10/12 12:06	08/13/12 12:21	1
Lead	6100		330	210	ug/Kg	☼	08/10/12 12:06	08/13/12 12:21	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-71SE-0205-SSXX

Lab Sample ID: 240-13672-86

Date Collected: 07/28/12 15:12

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 87.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1000	U	1000	390	ug/Kg	☼	08/10/12 12:06	08/13/12 12:25	1
Arsenic	1400		1000	300	ug/Kg	☼	08/10/12 12:06	08/13/12 12:25	1
Copper	89000		2500	740	ug/Kg	☼	08/10/12 12:06	08/13/12 12:25	1
Iron	7000000	B	20000	4900	ug/Kg	☼	08/10/12 12:06	08/13/12 12:25	1
Lead	2700		300	190	ug/Kg	☼	08/10/12 12:06	08/13/12 12:25	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-71NW-0006-SSXX

Lab Sample ID: 240-13672-87

Date Collected: 07/28/12 15:18

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 89.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	950	U	950	370	ug/Kg	☼	08/10/12 12:06	08/13/12 12:29	1
Arsenic	7700		950	280	ug/Kg	☼	08/10/12 12:06	08/13/12 12:29	1
Copper	2500000		2400	700	ug/Kg	☼	08/10/12 12:06	08/13/12 12:29	1
Iron	14000000	B	19000	4700	ug/Kg	☼	08/10/12 12:06	08/13/12 12:29	1
Lead	52000		280	180	ug/Kg	☼	08/10/12 12:06	08/13/12 12:29	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-71NW-0602-SSXX

Lab Sample ID: 240-13672-88

Date Collected: 07/28/12 15:19

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 90.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1000	U	1000	390	ug/Kg	☼	08/10/12 12:06	08/13/12 12:41	1
Arsenic	1400		1000	300	ug/Kg	☼	08/10/12 12:06	08/13/12 12:41	1
Copper	180000		2500	750	ug/Kg	☼	08/10/12 12:06	08/13/12 12:41	1
Iron	7600000	B	20000	4900	ug/Kg	☼	08/10/12 12:06	08/13/12 12:41	1
Lead	2000		300	190	ug/Kg	☼	08/10/12 12:06	08/13/12 12:41	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-71NW-0205-SSXX

Lab Sample ID: 240-13672-89

Date Collected: 07/28/12 15:20

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 92.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1000	U	1000	400	ug/Kg	☼	08/10/12 12:06	08/13/12 12:45	1
Arsenic	780	J	1000	310	ug/Kg	☼	08/10/12 12:06	08/13/12 12:45	1
Copper	5100		2500	750	ug/Kg	☼	08/10/12 12:06	08/13/12 12:45	1
Iron	4300000	B	20000	5000	ug/Kg	☼	08/10/12 12:06	08/13/12 12:45	1
Lead	1100		310	190	ug/Kg	☼	08/10/12 12:06	08/13/12 12:45	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-DP21-XXXX-SSFD

Lab Sample ID: 240-13672-92

Date Collected: 07/28/12 00:00

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 95.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	790	U	790	310	ug/Kg	☼	08/10/12 12:06	08/13/12 12:48	1
Arsenic	2200		790	240	ug/Kg	☼	08/10/12 12:06	08/13/12 12:48	1
Copper	6100000		9900	2900	ug/Kg	☼	08/10/12 12:06	08/14/12 09:15	5
Iron	5200000	B	16000	3900	ug/Kg	☼	08/10/12 12:06	08/13/12 12:48	1
Lead	2700		1200	750	ug/Kg	☼	08/10/12 12:06	08/14/12 09:15	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-DP22-XXXX-SSFD

Lab Sample ID: 240-13672-93

Date Collected: 07/28/12 00:00

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 84.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1100	U	1100	430	ug/Kg	☼	08/10/12 12:06	08/13/12 12:53	1
Arsenic	5900		1100	330	ug/Kg	☼	08/10/12 12:06	08/13/12 12:53	1
Copper	21000		2800	810	ug/Kg	☼	08/10/12 12:06	08/13/12 12:53	1
Iron	13000000	B	22000	5400	ug/Kg	☼	08/10/12 12:06	08/13/12 12:53	1
Lead	1400		330	210	ug/Kg	☼	08/10/12 12:06	08/13/12 12:53	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-DP23-XXXX-SSFD

Lab Sample ID: 240-13672-94

Date Collected: 07/28/12 00:00

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 89.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	930	U	930	360	ug/Kg	☼	08/10/12 12:06	08/13/12 12:56	1
Arsenic	5100		930	280	ug/Kg	☼	08/10/12 12:06	08/13/12 12:56	1
Copper	850000		2300	690	ug/Kg	☼	08/10/12 12:06	08/13/12 12:56	1
Iron	9300000	B	19000	4600	ug/Kg	☼	08/10/12 12:06	08/13/12 12:56	1
Lead	11000		280	180	ug/Kg	☼	08/10/12 12:06	08/13/12 12:56	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-DP24-XXXX-SSFD

Lab Sample ID: 240-13672-95

Date Collected: 07/28/12 00:00

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 67.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1500	U	1500	580	ug/Kg	☼	08/10/12 12:06	08/13/12 13:00	1
Arsenic	3400		1500	440	ug/Kg	☼	08/10/12 12:06	08/13/12 13:00	1
Copper	760000		3700	1100	ug/Kg	☼	08/10/12 12:06	08/13/12 13:00	1
Iron	7500000	B	30000	7200	ug/Kg	☼	08/10/12 12:06	08/13/12 13:00	1
Lead	21000		440	280	ug/Kg	☼	08/10/12 12:06	08/13/12 13:00	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-DP25-XXXX-SSFD

Lab Sample ID: 240-13672-96

Date Collected: 07/28/12 00:00

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 95.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	860	U	860	340	ug/Kg	☼	08/10/12 12:06	08/13/12 13:04	1
Arsenic	1600		860	260	ug/Kg	☼	08/10/12 12:06	08/13/12 13:04	1
Copper	1100000		2200	640	ug/Kg	☼	08/10/12 12:06	08/13/12 13:04	1
Iron	13000000	B	17000	4200	ug/Kg	☼	08/10/12 12:06	08/13/12 13:04	1
Lead	5700		260	160	ug/Kg	☼	08/10/12 12:06	08/13/12 13:04	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-DP26-XXXX-SSFD

Lab Sample ID: 240-13672-97

Date Collected: 07/28/12 00:00

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 94.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	810	U	810	310	ug/Kg	☼	08/10/12 12:06	08/13/12 13:08	1
Arsenic	1900		810	240	ug/Kg	☼	08/10/12 12:06	08/13/12 13:08	1
Copper	800000		2000	600	ug/Kg	☼	08/10/12 12:06	08/13/12 13:08	1
Iron	8000000	B	16000	3900	ug/Kg	☼	08/10/12 12:06	08/13/12 13:08	1
Lead	14000		240	150	ug/Kg	☼	08/10/12 12:06	08/13/12 13:08	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-DP27-XXXX-SSFD

Lab Sample ID: 240-13672-98

Date Collected: 07/28/12 00:00

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 93.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	780	U	780	300	ug/Kg	☼	08/10/12 12:06	08/13/12 13:12	1
Arsenic	1200		780	230	ug/Kg	☼	08/10/12 12:06	08/13/12 13:12	1
Copper	21000		1900	580	ug/Kg	☼	08/10/12 12:06	08/13/12 13:12	1
Iron	6700000	B	16000	3800	ug/Kg	☼	08/10/12 12:06	08/13/12 13:12	1
Lead	1900		230	150	ug/Kg	☼	08/10/12 12:06	08/13/12 13:12	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-DP28-XXXX-SSFD

Lab Sample ID: 240-13672-99

Date Collected: 07/28/12 00:00

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 77.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1200	U	1200	460	ug/Kg	☼	08/10/12 12:06	08/13/12 13:16	1
Arsenic	4400		1200	360	ug/Kg	☼	08/10/12 12:06	08/13/12 13:16	1
Copper	170000		3000	880	ug/Kg	☼	08/10/12 12:06	08/13/12 13:16	1
Iron	9700000	B	24000	5800	ug/Kg	☼	08/10/12 12:06	08/13/12 13:16	1
Lead	29000		360	230	ug/Kg	☼	08/10/12 12:06	08/13/12 13:16	1

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 240-53618/1-A

Matrix: Solid

Analysis Batch: 54150

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53618

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	958	J	1000	390	ug/Kg		08/09/12 11:08	08/10/12 07:31	1
Arsenic	1000	U	1000	300	ug/Kg		08/09/12 11:08	08/10/12 07:31	1
Copper	2500	U	2500	740	ug/Kg		08/09/12 11:08	08/10/12 07:31	1
Iron	5090	J	20000	4900	ug/Kg		08/09/12 11:08	08/10/12 07:31	1
Lead	300	U	300	190	ug/Kg		08/09/12 11:08	08/10/12 07:31	1

Lab Sample ID: LCS 240-53618/2-A

Matrix: Solid

Analysis Batch: 54150

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53618

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50000	47600		ug/Kg		95	80 - 120
Arsenic	200000	190000		ug/Kg		95	80 - 120
Copper	25000	25000		ug/Kg		100	80 - 120
Iron	100000	105000		ug/Kg		105	80 - 120
Lead	50000	48300		ug/Kg		97	80 - 120

Lab Sample ID: MB 240-53619/1-A

Matrix: Solid

Analysis Batch: 54118

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53619

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1000	U	1000	390	ug/Kg		08/09/12 11:30	08/11/12 01:28	1
Arsenic	1000	U	1000	300	ug/Kg		08/09/12 11:30	08/11/12 01:28	1
Copper	2500	U	2500	740	ug/Kg		08/09/12 11:30	08/11/12 01:28	1
Lead	300	U	300	190	ug/Kg		08/09/12 11:30	08/11/12 01:28	1

Lab Sample ID: MB 240-53619/1-A

Matrix: Solid

Analysis Batch: 54316

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53619

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	14600	J	20000	4900	ug/Kg		08/09/12 11:30	08/13/12 15:47	1

Lab Sample ID: LCS 240-53619/2-A

Matrix: Solid

Analysis Batch: 54118

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53619

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50000	45100		ug/Kg		90	80 - 120
Arsenic	200000	177000		ug/Kg		89	80 - 120
Copper	25000	22100		ug/Kg		88	80 - 120
Lead	50000	44100		ug/Kg		88	80 - 120

Lab Sample ID: LCS 240-53619/2-A

Matrix: Solid

Analysis Batch: 54316

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53619

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	100000	112000		ug/Kg		112	80 - 120

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

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

Lab Sample ID: 240-13672-18 MS

Matrix: Solid

Analysis Batch: 54118

Client Sample ID: LL101-36NW-0602-SSXX

Prep Type: Total/NA

Prep Batch: 53619

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	1000	U	54000	31300	F	ug/Kg	☼	58	75 - 125
Arsenic	3500		216000	187000		ug/Kg	☼	85	75 - 125
Copper	390000		27000	489000	4	ug/Kg	☼	368	75 - 125
Lead	120000		54000	166000		ug/Kg	☼	94	75 - 125

Lab Sample ID: 240-13672-18 MS

Matrix: Solid

Analysis Batch: 54316

Client Sample ID: LL101-36NW-0602-SSXX

Prep Type: Total/NA

Prep Batch: 53619

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	7400000	B	108000	5470000	4	ug/Kg	☼	-1760	75 - 125

Lab Sample ID: 240-13672-18 MSD

Matrix: Solid

Analysis Batch: 54118

Client Sample ID: LL101-36NW-0602-SSXX

Prep Type: Total/NA

Prep Batch: 53619

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Antimony	1000	U	54000	32300	F	ug/Kg	☼	60	75 - 125	3	20
Arsenic	3500		216000	179000		ug/Kg	☼	81	75 - 125	4	20
Copper	390000		27000	468000	4	ug/Kg	☼	291	75 - 125	4	20
Lead	120000		54000	171000		ug/Kg	☼	102	75 - 125	3	20

Lab Sample ID: 240-13672-18 MSD

Matrix: Solid

Analysis Batch: 54316

Client Sample ID: LL101-36NW-0602-SSXX

Prep Type: Total/NA

Prep Batch: 53619

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Iron	7400000	B	108000	8290000	4 F	ug/Kg	☼	849	75 - 125	41	20

Lab Sample ID: MB 240-53877/1-A

Matrix: Solid

Analysis Batch: 54118

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53877

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1000	U	1000	390	ug/Kg		08/09/12 12:14	08/10/12 23:22	1
Arsenic	1000	U	1000	300	ug/Kg		08/09/12 12:14	08/10/12 23:22	1
Copper	2500	U	2500	740	ug/Kg		08/09/12 12:14	08/10/12 23:22	1
Lead	300	U	300	190	ug/Kg		08/09/12 12:14	08/10/12 23:22	1

Lab Sample ID: MB 240-53877/1-A

Matrix: Solid

Analysis Batch: 54316

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53877

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	20000	U	20000	4900	ug/Kg		08/09/12 12:14	08/13/12 13:48	1

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

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

Lab Sample ID: LCS 240-53877/2-A

Matrix: Solid

Analysis Batch: 54118

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53877

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50000	46600		ug/Kg		93	80 - 120
Arsenic	200000	183000		ug/Kg		91	80 - 120
Copper	25000	23100		ug/Kg		92	80 - 120
Lead	50000	45300		ug/Kg		91	80 - 120

Lab Sample ID: LCS 240-53877/2-A

Matrix: Solid

Analysis Batch: 54316

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53877

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	100000	108000		ug/Kg		108	80 - 120

Lab Sample ID: 240-13672-42 MS

Matrix: Solid

Analysis Batch: 54118

Client Sample ID: LL101-43NW-0205-SSXX

Prep Type: Total/NA

Prep Batch: 53877

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	1100	U	52200	23600	F	ug/Kg	✱	45	75 - 125
Arsenic	2000		209000	170000		ug/Kg	✱	80	75 - 125
Copper	17000		26100	38400		ug/Kg	✱	82	75 - 125
Lead	1700		52200	42900		ug/Kg	✱	79	75 - 125

Lab Sample ID: 240-13672-42 MS

Matrix: Solid

Analysis Batch: 54316

Client Sample ID: LL101-43NW-0205-SSXX

Prep Type: Total/NA

Prep Batch: 53877

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	11000000		104000	9980000	4	ug/Kg	✱	-617	75 - 125

Lab Sample ID: 240-13672-42 MSD

Matrix: Solid

Analysis Batch: 54118

Client Sample ID: LL101-43NW-0205-SSXX

Prep Type: Total/NA

Prep Batch: 53877

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	1100	U	52200	25300	F	ug/Kg	✱	48	75 - 125	7	20
Arsenic	2000		209000	175000		ug/Kg	✱	83	75 - 125	3	20
Copper	17000		26100	38300		ug/Kg	✱	82	75 - 125	0	20
Lead	1700		52200	44200		ug/Kg	✱	81	75 - 125	3	20

Lab Sample ID: 240-13672-42 MSD

Matrix: Solid

Analysis Batch: 54316

Client Sample ID: LL101-43NW-0205-SSXX

Prep Type: Total/NA

Prep Batch: 53877

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Iron	11000000		104000	7290000	4 F	ug/Kg	✱	-3196	75 - 125	31	20

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

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

Lab Sample ID: MB 240-54033/1-A

Matrix: Solid

Analysis Batch: 54337

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 54033

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1000	U	1000	390	ug/Kg		08/10/12 11:34	08/13/12 20:42	1
Arsenic	1000	U	1000	300	ug/Kg		08/10/12 11:34	08/13/12 20:42	1
Copper	2500	U	2500	740	ug/Kg		08/10/12 11:34	08/13/12 20:42	1
Iron	20000	U	20000	4900	ug/Kg		08/10/12 11:34	08/13/12 20:42	1
Lead	300	U	300	190	ug/Kg		08/10/12 11:34	08/13/12 20:42	1

Lab Sample ID: LCS 240-54033/2-A

Matrix: Solid

Analysis Batch: 54337

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 54033

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50000	46900		ug/Kg		94	80 - 120
Arsenic	200000	185000		ug/Kg		93	80 - 120
Copper	25000	24400		ug/Kg		97	80 - 120
Iron	100000	104000		ug/Kg		104	80 - 120
Lead	50000	47100		ug/Kg		94	80 - 120

Lab Sample ID: 240-13672-70 MS

Matrix: Solid

Analysis Batch: 54337

Client Sample ID: LL101-54NW-0602-SSXX

Prep Type: Total/NA

Prep Batch: 54033

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	2000		52600	26900	F	ug/Kg	☼	47	75 - 125
Arsenic	9100		211000	195000		ug/Kg	☼	88	75 - 125
Iron	20000000		105000	18000000	4	ug/Kg	☼	-1648	75 - 125

Lab Sample ID: 240-13672-70 MS

Matrix: Solid

Analysis Batch: 54337

Client Sample ID: LL101-54NW-0602-SSXX

Prep Type: Total/NA

Prep Batch: 54033

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Copper	7200000		26300	9430000	4	ug/Kg	☼	8315	75 - 125
Lead	200000		52600	217000	F	ug/Kg	☼	36	75 - 125

Lab Sample ID: 240-13672-70 MSD

Matrix: Solid

Analysis Batch: 54337

Client Sample ID: LL101-54NW-0602-SSXX

Prep Type: Total/NA

Prep Batch: 54033

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	2000		52600	27000	F	ug/Kg	☼	48	75 - 125	0	20
Arsenic	9100		211000	196000		ug/Kg	☼	89	75 - 125	1	20
Iron	20000000		105000	15800000	4	ug/Kg	☼	-3744	75 - 125	13	20

Lab Sample ID: 240-13672-70 MSD

Matrix: Solid

Analysis Batch: 54337

Client Sample ID: LL101-54NW-0602-SSXX

Prep Type: Total/NA

Prep Batch: 54033

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Copper	7200000		26300	10900000	4	ug/Kg	☼	13883	75 - 125	14	20
Lead	200000		52600	205000	F	ug/Kg	☼	12	75 - 125	6	20

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

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

Lab Sample ID: MB 240-54049/1-A

Matrix: Solid

Analysis Batch: 54316

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 54049

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1000	U	1000	390	ug/Kg		08/10/12 12:06	08/13/12 11:55	1
Arsenic	1000	U	1000	300	ug/Kg		08/10/12 12:06	08/13/12 11:55	1
Copper	2500	U	2500	740	ug/Kg		08/10/12 12:06	08/13/12 11:55	1
Iron	7720	J	20000	4900	ug/Kg		08/10/12 12:06	08/13/12 11:55	1
Lead	300	U	300	190	ug/Kg		08/10/12 12:06	08/13/12 11:55	1

Lab Sample ID: LCS 240-54049/2-A

Matrix: Solid

Analysis Batch: 54316

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 54049

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50000	45000		ug/Kg		90	80 - 120
Arsenic	200000	178000		ug/Kg		89	80 - 120
Copper	25000	23300		ug/Kg		93	80 - 120
Iron	100000	106000		ug/Kg		106	80 - 120
Lead	50000	45600		ug/Kg		91	80 - 120

Lab Sample ID: 240-13672-83 MS

Matrix: Solid

Analysis Batch: 54316

Client Sample ID: LL101-71SW-0205-SSXX

Prep Type: Total/NA

Prep Batch: 54049

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	1000	U	53100	33700	F	ug/Kg	⚠	63	75 - 125
Arsenic	2400		212000	186000		ug/Kg	⚠	86	75 - 125
Copper	30000		26600	56000		ug/Kg	⚠	97	75 - 125
Iron	4500000	B	106000	4680000	4	ug/Kg	⚠	138	75 - 125
Lead	1200		53100	47800		ug/Kg	⚠	88	75 - 125

Lab Sample ID: 240-13672-83 MSD

Matrix: Solid

Analysis Batch: 54316

Client Sample ID: LL101-71SW-0205-SSXX

Prep Type: Total/NA

Prep Batch: 54049

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	1000	U	53100	32300	F	ug/Kg	⚠	61	75 - 125	4	20
Arsenic	2400		212000	183000		ug/Kg	⚠	85	75 - 125	1	20
Copper	30000		26600	56100		ug/Kg	⚠	97	75 - 125	0	20
Iron	4500000	B	106000	4200000	4	ug/Kg	⚠	-315	75 - 125	11	20
Lead	1200		53100	47100		ug/Kg	⚠	86	75 - 125	1	20

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Metals

Prep Batch: 53618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13672-1	LL101-305E-0006-SSXX	Total/NA	Solid	3050B	
240-13672-2	LL101-305E-0607-SSXX	Total/NA	Solid	3050B	
240-13672-3	LL101-305E-0205-SSXX	Total/NA	Solid	3050B	
240-13672-4	LL101-30NE-0006-SSXX	Total/NA	Solid	3050B	
240-13672-5	LL101-30NE-0602-SSXX	Total/NA	Solid	3050B	
240-13672-6	LL101-30NE-0205-SSXX	Total/NA	Solid	3050B	
240-13672-9	LL101-37NW-0006-SSXX	Total/NA	Solid	3050B	
240-13672-10	LL101-37NW-0602-SSXX	Total/NA	Solid	3050B	
240-13672-11	LL101-37NW-0205-SSXX	Total/NA	Solid	3050B	
240-13672-14	LL101-36NE-0006-SSXX	Total/NA	Solid	3050B	
240-13672-15	LL101-36NE-0602-SSXX	Total/NA	Solid	3050B	
LCS 240-53618/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 240-53618/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 53619

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13672-16	LL101-36NE-0205-SSXX	Total/NA	Solid	3050B	
240-13672-17	LL101-36NW-0006-SSXX	Total/NA	Solid	3050B	
240-13672-18	LL101-36NW-0602-SSXX	Total/NA	Solid	3050B	
240-13672-18 MS	LL101-36NW-0602-SSXX	Total/NA	Solid	3050B	
240-13672-18 MSD	LL101-36NW-0602-SSXX	Total/NA	Solid	3050B	
240-13672-19	LL101-36SW-0006-SSXX	Total/NA	Solid	3050B	
240-13672-20	LL101-36SW-0602-SSXX	Total/NA	Solid	3050B	
240-13672-21	LL101-36SW-0205-SSXX	Total/NA	Solid	3050B	
240-13672-24	LL101-35NW-0006-SSXX	Total/NA	Solid	3050B	
240-13672-25	LL101-35NW-0602-SSXX	Total/NA	Solid	3050B	
240-13672-26	LL101-35NW-0205-SSXX	Total/NA	Solid	3050B	
240-13672-27	LL101-35NE-0006-SSXX	Total/NA	Solid	3050B	
240-13672-28	LL101-35NE-0602-SSXX	Total/NA	Solid	3050B	
240-13672-29	LL101-35NE-0205-SSXX	Total/NA	Solid	3050B	
240-13672-32	LL101-42NW-0006-SSXX	Total/NA	Solid	3050B	
240-13672-33	LL101-42NW-0602-SSXX	Total/NA	Solid	3050B	
240-13672-34	LL101-42NW-0205-SSXX	Total/NA	Solid	3050B	
240-13672-35	LL101-42NE-0006-SSXX	Total/NA	Solid	3050B	
240-13672-36	LL101-42NE-0602-SSXX	Total/NA	Solid	3050B	
240-13672-37	LL101-42NE-0205-SSXX	Total/NA	Solid	3050B	
240-13672-40	LL101-43NW-0006-SSXX	Total/NA	Solid	3050B	
240-13672-41	LL101-43NW-0602-SSXX	Total/NA	Solid	3050B	
LCS 240-53619/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 240-53619/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 53877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13672-42	LL101-43NW-0205-SSXX	Total/NA	Solid	3050B	
240-13672-42 MS	LL101-43NW-0205-SSXX	Total/NA	Solid	3050B	
240-13672-42 MSD	LL101-43NW-0205-SSXX	Total/NA	Solid	3050B	
240-13672-43	LL101-43SE-0006-SSXX	Total/NA	Solid	3050B	
240-13672-44	LL101-43SE-0602-SSXX	Total/NA	Solid	3050B	
240-13672-45	LL101-43SE-0205-SSXX	Total/NA	Solid	3050B	
240-13672-46	LL101-43NE-0006-SSXX	Total/NA	Solid	3050B	
240-13672-47	LL101-43NE-0602-SSXX	Total/NA	Solid	3050B	
240-13672-48	LL101-43SW-0006-SSXX	Total/NA	Solid	3050B	

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Metals (Continued)

Prep Batch: 53877 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13672-49	LL101-43SW-0602-SSXX	Total/NA	Solid	3050B	
240-13672-50	LL101-43SW-0205-SSXX	Total/NA	Solid	3050B	
240-13672-53	LL101-52SE-0006-SSXX	Total/NA	Solid	3050B	
240-13672-54	LL101-52SE-0602-SSXX	Total/NA	Solid	3050B	
240-13672-55	LL101-52SE-0205-SSXX	Total/NA	Solid	3050B	
240-13672-58	LL101-45NW-0006-SSXX	Total/NA	Solid	3050B	
240-13672-59	LL101-45NW-0602-SSXX	Total/NA	Solid	3050B	
240-13672-60	LL101-45NW-0205-SSXX	Total/NA	Solid	3050B	
240-13672-61	LL101-45SW-0006-SSXX	Total/NA	Solid	3050B	
240-13672-62	LL101-45SW-0602-SSXX	Total/NA	Solid	3050B	
240-13672-63	LL101-45SW-0205-SSXX	Total/NA	Solid	3050B	
240-13672-64	LL101-45NE-0006-SSXX	Total/NA	Solid	3050B	
240-13672-65	LL101-45NE-0602-SSXX	Total/NA	Solid	3050B	
LCS 240-53877/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 240-53877/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 54033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13672-66	LL101-45NE-0205-SSXX	Total/NA	Solid	3050B	
240-13672-69	LL101-54NW-0006-SSXX	Total/NA	Solid	3050B	
240-13672-70	LL101-54NW-0602-SSXX	Total/NA	Solid	3050B	
240-13672-70 MS	LL101-54NW-0602-SSXX	Total/NA	Solid	3050B	
240-13672-70 MSD	LL101-54NW-0602-SSXX	Total/NA	Solid	3050B	
240-13672-71	LL101-54NW-0205-SSXX	Total/NA	Solid	3050B	
240-13672-72	LL101-54NE-0006-SSXX	Total/NA	Solid	3050B	
240-13672-73	LL101-54NE-0602-SSXX	Total/NA	Solid	3050B	
240-13672-74	LL101-54NE-0205-SSXX	Total/NA	Solid	3050B	
240-13672-75	LL101-54SE-0006-SSXX	Total/NA	Solid	3050B	
240-13672-76	LL101-54SE-0602-SSXX	Total/NA	Solid	3050B	
240-13672-77	LL101-54SE-0205-SSXX	Total/NA	Solid	3050B	
240-13672-78	LL101-54SW-0006-SSXX	Total/NA	Solid	3050B	
240-13672-79	LL101-54SW-0602-SSXX	Total/NA	Solid	3050B	
240-13672-80	LL101-54SW-0205-SSXX	Total/NA	Solid	3050B	
240-13672-81	LL101-71SW-0006-SSXX	Total/NA	Solid	3050B	
240-13672-82	LL101-71SW-0602-SSXX	Total/NA	Solid	3050B	
LCS 240-54033/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 240-54033/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 54049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13672-83	LL101-71SW-0205-SSXX	Total/NA	Solid	3050B	
240-13672-83 MS	LL101-71SW-0205-SSXX	Total/NA	Solid	3050B	
240-13672-83 MSD	LL101-71SW-0205-SSXX	Total/NA	Solid	3050B	
240-13672-84	LL101-71SE-0006-SSXX	Total/NA	Solid	3050B	
240-13672-85	LL101-71SE-0602-SSXX	Total/NA	Solid	3050B	
240-13672-86	LL101-71SE-0205-SSXX	Total/NA	Solid	3050B	
240-13672-87	LL101-71NW-0006-SSXX	Total/NA	Solid	3050B	
240-13672-88	LL101-71NW-0602-SSXX	Total/NA	Solid	3050B	
240-13672-89	LL101-71NW-0205-SSXX	Total/NA	Solid	3050B	
240-13672-92	LL101-DP21-XXXX-SSFD	Total/NA	Solid	3050B	
240-13672-93	LL101-DP22-XXXX-SSFD	Total/NA	Solid	3050B	
240-13672-94	LL101-DP23-XXXX-SSFD	Total/NA	Solid	3050B	

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Metals (Continued)

Prep Batch: 54049 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13672-95	LL101-DP24-XXXX-SSFD	Total/NA	Solid	3050B	
240-13672-96	LL101-DP25-XXXX-SSFD	Total/NA	Solid	3050B	
240-13672-97	LL101-DP26-XXXX-SSFD	Total/NA	Solid	3050B	
240-13672-98	LL101-DP27-XXXX-SSFD	Total/NA	Solid	3050B	
240-13672-99	LL101-DP28-XXXX-SSFD	Total/NA	Solid	3050B	
LCS 240-54049/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 240-54049/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 54118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13672-16	LL101-36NE-0205-SSXX	Total/NA	Solid	6010B	53619
240-13672-17	LL101-36NW-0006-SSXX	Total/NA	Solid	6010B	53619
240-13672-18	LL101-36NW-0602-SSXX	Total/NA	Solid	6010B	53619
240-13672-18 MS	LL101-36NW-0602-SSXX	Total/NA	Solid	6010B	53619
240-13672-18 MSD	LL101-36NW-0602-SSXX	Total/NA	Solid	6010B	53619
240-13672-19	LL101-36SW-0006-SSXX	Total/NA	Solid	6010B	53619
240-13672-20	LL101-36SW-0602-SSXX	Total/NA	Solid	6010B	53619
240-13672-21	LL101-36SW-0205-SSXX	Total/NA	Solid	6010B	53619
240-13672-24	LL101-35NW-0006-SSXX	Total/NA	Solid	6010B	53619
240-13672-25	LL101-35NW-0602-SSXX	Total/NA	Solid	6010B	53619
240-13672-26	LL101-35NW-0205-SSXX	Total/NA	Solid	6010B	53619
240-13672-27	LL101-35NE-0006-SSXX	Total/NA	Solid	6010B	53619
240-13672-28	LL101-35NE-0602-SSXX	Total/NA	Solid	6010B	53619
240-13672-29	LL101-35NE-0205-SSXX	Total/NA	Solid	6010B	53619
240-13672-32	LL101-42NW-0006-SSXX	Total/NA	Solid	6010B	53619
240-13672-33	LL101-42NW-0602-SSXX	Total/NA	Solid	6010B	53619
240-13672-34	LL101-42NW-0205-SSXX	Total/NA	Solid	6010B	53619
240-13672-35	LL101-42NE-0006-SSXX	Total/NA	Solid	6010B	53619
240-13672-36	LL101-42NE-0602-SSXX	Total/NA	Solid	6010B	53619
240-13672-37	LL101-42NE-0205-SSXX	Total/NA	Solid	6010B	53619
240-13672-40	LL101-43NW-0006-SSXX	Total/NA	Solid	6010B	53619
240-13672-41	LL101-43NW-0602-SSXX	Total/NA	Solid	6010B	53619
240-13672-42	LL101-43NW-0205-SSXX	Total/NA	Solid	6010B	53877
240-13672-42 MS	LL101-43NW-0205-SSXX	Total/NA	Solid	6010B	53877
240-13672-42 MSD	LL101-43NW-0205-SSXX	Total/NA	Solid	6010B	53877
240-13672-43	LL101-43SE-0006-SSXX	Total/NA	Solid	6010B	53877
240-13672-44	LL101-43SE-0602-SSXX	Total/NA	Solid	6010B	53877
240-13672-45	LL101-43SE-0205-SSXX	Total/NA	Solid	6010B	53877
240-13672-46	LL101-43NE-0006-SSXX	Total/NA	Solid	6010B	53877
240-13672-47	LL101-43NE-0602-SSXX	Total/NA	Solid	6010B	53877
240-13672-48	LL101-43SW-0006-SSXX	Total/NA	Solid	6010B	53877
240-13672-49	LL101-43SW-0602-SSXX	Total/NA	Solid	6010B	53877
240-13672-50	LL101-43SW-0205-SSXX	Total/NA	Solid	6010B	53877
240-13672-53	LL101-52SE-0006-SSXX	Total/NA	Solid	6010B	53877
240-13672-54	LL101-52SE-0602-SSXX	Total/NA	Solid	6010B	53877
240-13672-55	LL101-52SE-0205-SSXX	Total/NA	Solid	6010B	53877
240-13672-58	LL101-45NW-0006-SSXX	Total/NA	Solid	6010B	53877
240-13672-59	LL101-45NW-0602-SSXX	Total/NA	Solid	6010B	53877
240-13672-60	LL101-45NW-0205-SSXX	Total/NA	Solid	6010B	53877
240-13672-61	LL101-45SW-0006-SSXX	Total/NA	Solid	6010B	53877
240-13672-62	LL101-45SW-0602-SSXX	Total/NA	Solid	6010B	53877
240-13672-63	LL101-45SW-0205-SSXX	Total/NA	Solid	6010B	53877

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Metals (Continued)

Analysis Batch: 54118 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13672-64	LL101-45NE-0006-SSXX	Total/NA	Solid	6010B	53877
240-13672-65	LL101-45NE-0602-SSXX	Total/NA	Solid	6010B	53877
LCS 240-53619/2-A	Lab Control Sample	Total/NA	Solid	6010B	53619
LCS 240-53877/2-A	Lab Control Sample	Total/NA	Solid	6010B	53877
MB 240-53619/1-A	Method Blank	Total/NA	Solid	6010B	53619
MB 240-53877/1-A	Method Blank	Total/NA	Solid	6010B	53877

Analysis Batch: 54150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13672-1	LL101-305E-0006-SSXX	Total/NA	Solid	6010B	53618
240-13672-2	LL101-305E-0607-SSXX	Total/NA	Solid	6010B	53618
240-13672-3	LL101-305E-0205-SSXX	Total/NA	Solid	6010B	53618
240-13672-3	LL101-305E-0205-SSXX	Total/NA	Solid	6010B	53618
240-13672-3	LL101-305E-0205-SSXX	Total/NA	Solid	6010B	53618
240-13672-4	LL101-30NE-0006-SSXX	Total/NA	Solid	6010B	53618
240-13672-5	LL101-30NE-0602-SSXX	Total/NA	Solid	6010B	53618
240-13672-6	LL101-30NE-0205-SSXX	Total/NA	Solid	6010B	53618
240-13672-9	LL101-37NW-0006-SSXX	Total/NA	Solid	6010B	53618
240-13672-9	LL101-37NW-0006-SSXX	Total/NA	Solid	6010B	53618
240-13672-10	LL101-37NW-0602-SSXX	Total/NA	Solid	6010B	53618
240-13672-11	LL101-37NW-0205-SSXX	Total/NA	Solid	6010B	53618
240-13672-11	LL101-37NW-0205-SSXX	Total/NA	Solid	6010B	53618
240-13672-11	LL101-37NW-0205-SSXX	Total/NA	Solid	6010B	53618
240-13672-14	LL101-36NE-0006-SSXX	Total/NA	Solid	6010B	53618
240-13672-14	LL101-36NE-0006-SSXX	Total/NA	Solid	6010B	53618
240-13672-15	LL101-36NE-0602-SSXX	Total/NA	Solid	6010B	53618
240-13672-15	LL101-36NE-0602-SSXX	Total/NA	Solid	6010B	53618
LCS 240-53618/2-A	Lab Control Sample	Total/NA	Solid	6010B	53618
MB 240-53618/1-A	Method Blank	Total/NA	Solid	6010B	53618

Analysis Batch: 54316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13672-16	LL101-36NE-0205-SSXX	Total/NA	Solid	6010B	53619
240-13672-17	LL101-36NW-0006-SSXX	Total/NA	Solid	6010B	53619
240-13672-18	LL101-36NW-0602-SSXX	Total/NA	Solid	6010B	53619
240-13672-18 MS	LL101-36NW-0602-SSXX	Total/NA	Solid	6010B	53619
240-13672-18 MSD	LL101-36NW-0602-SSXX	Total/NA	Solid	6010B	53619
240-13672-19	LL101-36SW-0006-SSXX	Total/NA	Solid	6010B	53619
240-13672-20	LL101-36SW-0602-SSXX	Total/NA	Solid	6010B	53619
240-13672-21	LL101-36SW-0205-SSXX	Total/NA	Solid	6010B	53619
240-13672-24	LL101-35NW-0006-SSXX	Total/NA	Solid	6010B	53619
240-13672-25	LL101-35NW-0602-SSXX	Total/NA	Solid	6010B	53619
240-13672-26	LL101-35NW-0205-SSXX	Total/NA	Solid	6010B	53619
240-13672-27	LL101-35NE-0006-SSXX	Total/NA	Solid	6010B	53619
240-13672-28	LL101-35NE-0602-SSXX	Total/NA	Solid	6010B	53619
240-13672-29	LL101-35NE-0205-SSXX	Total/NA	Solid	6010B	53619
240-13672-32	LL101-42NW-0006-SSXX	Total/NA	Solid	6010B	53619
240-13672-33	LL101-42NW-0602-SSXX	Total/NA	Solid	6010B	53619
240-13672-34	LL101-42NW-0205-SSXX	Total/NA	Solid	6010B	53619
240-13672-35	LL101-42NE-0006-SSXX	Total/NA	Solid	6010B	53619
240-13672-42	LL101-43NW-0205-SSXX	Total/NA	Solid	6010B	53877
240-13672-42 MS	LL101-43NW-0205-SSXX	Total/NA	Solid	6010B	53877

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Metals (Continued)

Analysis Batch: 54316 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13672-42 MSD	LL101-43NW-0205-SSXX	Total/NA	Solid	6010B	53877
240-13672-43	LL101-43SE-0006-SSXX	Total/NA	Solid	6010B	53877
240-13672-44	LL101-43SE-0602-SSXX	Total/NA	Solid	6010B	53877
240-13672-45	LL101-43SE-0205-SSXX	Total/NA	Solid	6010B	53877
240-13672-46	LL101-43NE-0006-SSXX	Total/NA	Solid	6010B	53877
240-13672-47	LL101-43NE-0602-SSXX	Total/NA	Solid	6010B	53877
240-13672-48	LL101-43SW-0006-SSXX	Total/NA	Solid	6010B	53877
240-13672-49	LL101-43SW-0602-SSXX	Total/NA	Solid	6010B	53877
240-13672-50	LL101-43SW-0205-SSXX	Total/NA	Solid	6010B	53877
240-13672-53	LL101-52SE-0006-SSXX	Total/NA	Solid	6010B	53877
240-13672-54	LL101-52SE-0602-SSXX	Total/NA	Solid	6010B	53877
240-13672-55	LL101-52SE-0205-SSXX	Total/NA	Solid	6010B	53877
240-13672-58	LL101-45NW-0006-SSXX	Total/NA	Solid	6010B	53877
240-13672-59	LL101-45NW-0602-SSXX	Total/NA	Solid	6010B	53877
240-13672-60	LL101-45NW-0205-SSXX	Total/NA	Solid	6010B	53877
240-13672-61	LL101-45SW-0006-SSXX	Total/NA	Solid	6010B	53877
240-13672-62	LL101-45SW-0602-SSXX	Total/NA	Solid	6010B	53877
240-13672-63	LL101-45SW-0205-SSXX	Total/NA	Solid	6010B	53877
240-13672-64	LL101-45NE-0006-SSXX	Total/NA	Solid	6010B	53877
240-13672-65	LL101-45NE-0602-SSXX	Total/NA	Solid	6010B	53877
240-13672-83	LL101-71SW-0205-SSXX	Total/NA	Solid	6010B	54049
240-13672-83 MS	LL101-71SW-0205-SSXX	Total/NA	Solid	6010B	54049
240-13672-83 MSD	LL101-71SW-0205-SSXX	Total/NA	Solid	6010B	54049
240-13672-84	LL101-71SE-0006-SSXX	Total/NA	Solid	6010B	54049
240-13672-85	LL101-71SE-0602-SSXX	Total/NA	Solid	6010B	54049
240-13672-86	LL101-71SE-0205-SSXX	Total/NA	Solid	6010B	54049
240-13672-87	LL101-71NW-0006-SSXX	Total/NA	Solid	6010B	54049
240-13672-88	LL101-71NW-0602-SSXX	Total/NA	Solid	6010B	54049
240-13672-89	LL101-71NW-0205-SSXX	Total/NA	Solid	6010B	54049
240-13672-92	LL101-DP21-XXXX-SSFD	Total/NA	Solid	6010B	54049
240-13672-93	LL101-DP22-XXXX-SSFD	Total/NA	Solid	6010B	54049
240-13672-94	LL101-DP23-XXXX-SSFD	Total/NA	Solid	6010B	54049
240-13672-95	LL101-DP24-XXXX-SSFD	Total/NA	Solid	6010B	54049
240-13672-96	LL101-DP25-XXXX-SSFD	Total/NA	Solid	6010B	54049
240-13672-97	LL101-DP26-XXXX-SSFD	Total/NA	Solid	6010B	54049
240-13672-98	LL101-DP27-XXXX-SSFD	Total/NA	Solid	6010B	54049
240-13672-99	LL101-DP28-XXXX-SSFD	Total/NA	Solid	6010B	54049
LCS 240-53619/2-A	Lab Control Sample	Total/NA	Solid	6010B	53619
LCS 240-53877/2-A	Lab Control Sample	Total/NA	Solid	6010B	53877
LCS 240-54049/2-A	Lab Control Sample	Total/NA	Solid	6010B	54049
MB 240-53619/1-A	Method Blank	Total/NA	Solid	6010B	53619
MB 240-53877/1-A	Method Blank	Total/NA	Solid	6010B	53877
MB 240-54049/1-A	Method Blank	Total/NA	Solid	6010B	54049

Analysis Batch: 54337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13672-66	LL101-45NE-0205-SSXX	Total/NA	Solid	6010B	54033
240-13672-69	LL101-54NW-0006-SSXX	Total/NA	Solid	6010B	54033
240-13672-69	LL101-54NW-0006-SSXX	Total/NA	Solid	6010B	54033
240-13672-70	LL101-54NW-0602-SSXX	Total/NA	Solid	6010B	54033
240-13672-70	LL101-54NW-0602-SSXX	Total/NA	Solid	6010B	54033
240-13672-70 MS	LL101-54NW-0602-SSXX	Total/NA	Solid	6010B	54033

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Metals (Continued)

Analysis Batch: 54337 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13672-70 MS	LL101-54NW-0602-SSXX	Total/NA	Solid	6010B	54033
240-13672-70 MSD	LL101-54NW-0602-SSXX	Total/NA	Solid	6010B	54033
240-13672-70 MSD	LL101-54NW-0602-SSXX	Total/NA	Solid	6010B	54033
240-13672-71	LL101-54NW-0205-SSXX	Total/NA	Solid	6010B	54033
240-13672-71	LL101-54NW-0205-SSXX	Total/NA	Solid	6010B	54033
240-13672-71	LL101-54NW-0205-SSXX	Total/NA	Solid	6010B	54033
240-13672-72	LL101-54NE-0006-SSXX	Total/NA	Solid	6010B	54033
240-13672-72	LL101-54NE-0006-SSXX	Total/NA	Solid	6010B	54033
240-13672-73	LL101-54NE-0602-SSXX	Total/NA	Solid	6010B	54033
240-13672-74	LL101-54NE-0205-SSXX	Total/NA	Solid	6010B	54033
240-13672-75	LL101-54SE-0006-SSXX	Total/NA	Solid	6010B	54033
240-13672-76	LL101-54SE-0602-SSXX	Total/NA	Solid	6010B	54033
240-13672-77	LL101-54SE-0205-SSXX	Total/NA	Solid	6010B	54033
240-13672-78	LL101-54SW-0006-SSXX	Total/NA	Solid	6010B	54033
240-13672-78	LL101-54SW-0006-SSXX	Total/NA	Solid	6010B	54033
240-13672-79	LL101-54SW-0602-SSXX	Total/NA	Solid	6010B	54033
240-13672-80	LL101-54SW-0205-SSXX	Total/NA	Solid	6010B	54033
240-13672-81	LL101-71SW-0006-SSXX	Total/NA	Solid	6010B	54033
240-13672-81	LL101-71SW-0006-SSXX	Total/NA	Solid	6010B	54033
240-13672-82	LL101-71SW-0602-SSXX	Total/NA	Solid	6010B	54033
240-13672-92	LL101-DP21-XXXX-SSFD	Total/NA	Solid	6010B	54049
LCS 240-54033/2-A	Lab Control Sample	Total/NA	Solid	6010B	54033
MB 240-54033/1-A	Method Blank	Total/NA	Solid	6010B	54033

General Chemistry

Analysis Batch: 53091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13672-1	LL101-305E-0006-SSXX	Total/NA	Solid	Moisture	
240-13672-2	LL101-305E-0607-SSXX	Total/NA	Solid	Moisture	
240-13672-3	LL101-305E-0205-SSXX	Total/NA	Solid	Moisture	
240-13672-4	LL101-30NE-0006-SSXX	Total/NA	Solid	Moisture	
240-13672-5	LL101-30NE-0602-SSXX	Total/NA	Solid	Moisture	
240-13672-6	LL101-30NE-0205-SSXX	Total/NA	Solid	Moisture	
240-13672-9	LL101-37NW-0006-SSXX	Total/NA	Solid	Moisture	
240-13672-9 DU	LL101-37NW-0006-SSXX	Total/NA	Solid	Moisture	
240-13672-10	LL101-37NW-0602-SSXX	Total/NA	Solid	Moisture	
240-13672-11	LL101-37NW-0205-SSXX	Total/NA	Solid	Moisture	
240-13672-14	LL101-36NE-0006-SSXX	Total/NA	Solid	Moisture	
240-13672-15	LL101-36NE-0602-SSXX	Total/NA	Solid	Moisture	
240-13672-16	LL101-36NE-0205-SSXX	Total/NA	Solid	Moisture	
240-13672-17	LL101-36NW-0006-SSXX	Total/NA	Solid	Moisture	
240-13672-18	LL101-36NW-0602-SSXX	Total/NA	Solid	Moisture	
240-13672-18 DU	LL101-36NW-0602-SSXX	Total/NA	Solid	Moisture	
240-13672-19	LL101-36SW-0006-SSXX	Total/NA	Solid	Moisture	
240-13672-20	LL101-36SW-0602-SSXX	Total/NA	Solid	Moisture	
240-13672-21	LL101-36SW-0205-SSXX	Total/NA	Solid	Moisture	
240-13672-24	LL101-35NW-0006-SSXX	Total/NA	Solid	Moisture	
240-13672-25	LL101-35NW-0602-SSXX	Total/NA	Solid	Moisture	
240-13672-25 DU	LL101-35NW-0602-SSXX	Total/NA	Solid	Moisture	
240-13672-26	LL101-35NW-0205-SSXX	Total/NA	Solid	Moisture	
240-13672-27	LL101-35NE-0006-SSXX	Total/NA	Solid	Moisture	

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

General Chemistry (Continued)

Analysis Batch: 53091 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13672-28	LL101-35NE-0602-SSXX	Total/NA	Solid	Moisture	
240-13672-29	LL101-35NE-0205-SSXX	Total/NA	Solid	Moisture	
240-13672-32	LL101-42NW-0006-SSXX	Total/NA	Solid	Moisture	
240-13672-33	LL101-42NW-0602-SSXX	Total/NA	Solid	Moisture	
240-13672-34	LL101-42NW-0205-SSXX	Total/NA	Solid	Moisture	
240-13672-34 DU	LL101-42NW-0205-SSXX	Total/NA	Solid	Moisture	
240-13672-35	LL101-42NE-0006-SSXX	Total/NA	Solid	Moisture	
240-13672-36	LL101-42NE-0602-SSXX	Total/NA	Solid	Moisture	
240-13672-37	LL101-42NE-0205-SSXX	Total/NA	Solid	Moisture	
240-13672-40	LL101-43NW-0006-SSXX	Total/NA	Solid	Moisture	
240-13672-41	LL101-43NW-0602-SSXX	Total/NA	Solid	Moisture	
240-13672-42	LL101-43NW-0205-SSXX	Total/NA	Solid	Moisture	
240-13672-42 DU	LL101-43NW-0205-SSXX	Total/NA	Solid	Moisture	
240-13672-43	LL101-43SE-0006-SSXX	Total/NA	Solid	Moisture	
240-13672-43 DU	LL101-43SE-0006-SSXX	Total/NA	Solid	Moisture	
240-13672-44	LL101-43SE-0602-SSXX	Total/NA	Solid	Moisture	
240-13672-45	LL101-43SE-0205-SSXX	Total/NA	Solid	Moisture	
240-13672-46	LL101-43NE-0006-SSXX	Total/NA	Solid	Moisture	
240-13672-47	LL101-43NE-0602-SSXX	Total/NA	Solid	Moisture	
240-13672-48	LL101-43SW-0006-SSXX	Total/NA	Solid	Moisture	
240-13672-49	LL101-43SW-0602-SSXX	Total/NA	Solid	Moisture	
240-13672-50	LL101-43SW-0205-SSXX	Total/NA	Solid	Moisture	
240-13672-53	LL101-52SE-0006-SSXX	Total/NA	Solid	Moisture	
240-13672-53 DU	LL101-52SE-0006-SSXX	Total/NA	Solid	Moisture	
240-13672-54	LL101-52SE-0602-SSXX	Total/NA	Solid	Moisture	
240-13672-55	LL101-52SE-0205-SSXX	Total/NA	Solid	Moisture	
240-13672-58	LL101-45NW-0006-SSXX	Total/NA	Solid	Moisture	
240-13672-59	LL101-45NW-0602-SSXX	Total/NA	Solid	Moisture	
240-13672-60	LL101-45NW-0205-SSXX	Total/NA	Solid	Moisture	
240-13672-61	LL101-45SW-0006-SSXX	Total/NA	Solid	Moisture	
240-13672-61 DU	LL101-45SW-0006-SSXX	Total/NA	Solid	Moisture	
240-13672-62	LL101-45SW-0602-SSXX	Total/NA	Solid	Moisture	
240-13672-63	LL101-45SW-0205-SSXX	Total/NA	Solid	Moisture	
240-13672-64	LL101-45NE-0006-SSXX	Total/NA	Solid	Moisture	
240-13672-65	LL101-45NE-0602-SSXX	Total/NA	Solid	Moisture	
240-13672-66	LL101-45NE-0205-SSXX	Total/NA	Solid	Moisture	
240-13672-69	LL101-54NW-0006-SSXX	Total/NA	Solid	Moisture	
240-13672-70	LL101-54NW-0602-SSXX	Total/NA	Solid	Moisture	
240-13672-70 DU	LL101-54NW-0602-SSXX	Total/NA	Solid	Moisture	
240-13672-71	LL101-54NW-0205-SSXX	Total/NA	Solid	Moisture	
240-13672-72	LL101-54NE-0006-SSXX	Total/NA	Solid	Moisture	
240-13672-73	LL101-54NE-0602-SSXX	Total/NA	Solid	Moisture	
240-13672-74	LL101-54NE-0205-SSXX	Total/NA	Solid	Moisture	
240-13672-75	LL101-54SE-0006-SSXX	Total/NA	Solid	Moisture	
240-13672-76	LL101-54SE-0602-SSXX	Total/NA	Solid	Moisture	
240-13672-77	LL101-54SE-0205-SSXX	Total/NA	Solid	Moisture	
240-13672-78	LL101-54SW-0006-SSXX	Total/NA	Solid	Moisture	
240-13672-79	LL101-54SW-0602-SSXX	Total/NA	Solid	Moisture	
240-13672-79 DU	LL101-54SW-0602-SSXX	Total/NA	Solid	Moisture	
240-13672-80	LL101-54SW-0205-SSXX	Total/NA	Solid	Moisture	
240-13672-81	LL101-71SW-0006-SSXX	Total/NA	Solid	Moisture	
240-13672-82	LL101-71SW-0602-SSXX	Total/NA	Solid	Moisture	

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

General Chemistry (Continued)

Analysis Batch: 53091 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13672-83	LL101-71SW-0205-SSXX	Total/NA	Solid	Moisture	
240-13672-83 DU	LL101-71SW-0205-SSXX	Total/NA	Solid	Moisture	
240-13672-84	LL101-71SE-0006-SSXX	Total/NA	Solid	Moisture	
240-13672-85	LL101-71SE-0602-SSXX	Total/NA	Solid	Moisture	
240-13672-86	LL101-71SE-0205-SSXX	Total/NA	Solid	Moisture	
240-13672-87	LL101-71NW-0006-SSXX	Total/NA	Solid	Moisture	
240-13672-88	LL101-71NW-0602-SSXX	Total/NA	Solid	Moisture	
240-13672-89	LL101-71NW-0205-SSXX	Total/NA	Solid	Moisture	
240-13672-89 DU	LL101-71NW-0205-SSXX	Total/NA	Solid	Moisture	
240-13672-92	LL101-DP21-XXXX-SSFD	Total/NA	Solid	Moisture	
240-13672-93	LL101-DP22-XXXX-SSFD	Total/NA	Solid	Moisture	
240-13672-94	LL101-DP23-XXXX-SSFD	Total/NA	Solid	Moisture	
240-13672-95	LL101-DP24-XXXX-SSFD	Total/NA	Solid	Moisture	
240-13672-96	LL101-DP25-XXXX-SSFD	Total/NA	Solid	Moisture	
240-13672-97	LL101-DP26-XXXX-SSFD	Total/NA	Solid	Moisture	
240-13672-98	LL101-DP27-XXXX-SSFD	Total/NA	Solid	Moisture	
240-13672-99	LL101-DP28-XXXX-SSFD	Total/NA	Solid	Moisture	

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-305E-0006-SSXX

Date Collected: 07/28/12 07:19

Date Received: 07/31/12 09:30

Lab Sample ID: 240-13672-1

Matrix: Solid

Percent Solids: 85.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53618	08/09/12 11:08	DE	TAL NC
Total/NA	Analysis	6010B		1	54150	08/10/12 09:16	KC	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 07:47	TH	TAL NC

Client Sample ID: LL101-305E-0607-SSXX

Date Collected: 07/28/12 07:20

Date Received: 07/31/12 09:30

Lab Sample ID: 240-13672-2

Matrix: Solid

Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53618	08/09/12 11:08	DE	TAL NC
Total/NA	Analysis	6010B		1	54150	08/10/12 09:22	KC	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 07:47	TH	TAL NC

Client Sample ID: LL101-305E-0205-SSXX

Date Collected: 07/28/12 07:21

Date Received: 07/31/12 09:30

Lab Sample ID: 240-13672-3

Matrix: Solid

Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53618	08/09/12 11:08	DE	TAL NC
Total/NA	Analysis	6010B		1	54150	08/10/12 09:27	KC	TAL NC
Total/NA	Analysis	6010B		1	54150	08/10/12 11:29	KC	TAL NC
Total/NA	Analysis	6010B		5	54150	08/10/12 11:35	KC	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 07:47	TH	TAL NC

Client Sample ID: LL101-30NE-0006-SSXX

Date Collected: 07/28/12 07:25

Date Received: 07/31/12 09:30

Lab Sample ID: 240-13672-4

Matrix: Solid

Percent Solids: 84.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53618	08/09/12 11:08	DE	TAL NC
Total/NA	Analysis	6010B		1	54150	08/10/12 09:33	KC	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 07:47	TH	TAL NC

Client Sample ID: LL101-30NE-0602-SSXX

Date Collected: 07/28/12 07:26

Date Received: 07/31/12 09:30

Lab Sample ID: 240-13672-5

Matrix: Solid

Percent Solids: 87.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53618	08/09/12 11:08	DE	TAL NC
Total/NA	Analysis	6010B		5	54150	08/10/12 11:41	KC	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 07:47	TH	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-30NE-0205-SSXX

Lab Sample ID: 240-13672-6

Date Collected: 07/28/12 07:27

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 67.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53618	08/09/12 11:08	DE	TAL NC
Total/NA	Analysis	6010B		1	54150	08/10/12 09:44	KC	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 07:47	TH	TAL NC

Client Sample ID: LL101-37NW-0006-SSXX

Lab Sample ID: 240-13672-9

Date Collected: 07/28/12 07:43

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 83.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53618	08/09/12 11:08	DE	TAL NC
Total/NA	Analysis	6010B		1	54150	08/10/12 09:50	KC	TAL NC
Total/NA	Analysis	6010B		1	54150	08/10/12 11:46	KC	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 07:47	TH	TAL NC

Client Sample ID: LL101-37NW-0602-SSXX

Lab Sample ID: 240-13672-10

Date Collected: 07/28/12 07:44

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 81.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53618	08/09/12 11:08	DE	TAL NC
Total/NA	Analysis	6010B		1	54150	08/10/12 09:56	KC	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 07:47	TH	TAL NC

Client Sample ID: LL101-37NW-0205-SSXX

Lab Sample ID: 240-13672-11

Date Collected: 07/28/12 07:45

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 94.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53618	08/09/12 11:08	DE	TAL NC
Total/NA	Analysis	6010B		1	54150	08/10/12 10:01	KC	TAL NC
Total/NA	Analysis	6010B		1	54150	08/10/12 11:52	KC	TAL NC
Total/NA	Analysis	6010B		5	54150	08/10/12 11:58	KC	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 07:47	TH	TAL NC

Client Sample ID: LL101-36NE-0006-SSXX

Lab Sample ID: 240-13672-14

Date Collected: 07/28/12 08:12

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 88.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53618	08/09/12 11:08	DE	TAL NC
Total/NA	Analysis	6010B		1	54150	08/10/12 10:07	KC	TAL NC
Total/NA	Analysis	6010B		100	54150	08/10/12 12:03	KC	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 07:47	TH	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-36NE-0602-SSXX

Lab Sample ID: 240-13672-15

Date Collected: 07/28/12 08:13

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 88.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53618	08/09/12 11:08	DE	TAL NC
Total/NA	Analysis	6010B		1	54150	08/10/12 10:24	KC	TAL NC
Total/NA	Analysis	6010B		1	54150	08/10/12 12:20	KC	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 07:47	TH	TAL NC

Client Sample ID: LL101-36NE-0205-SSXX

Lab Sample ID: 240-13672-16

Date Collected: 07/28/12 08:14

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 61.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53619	08/09/12 11:30	DE	TAL NC
Total/NA	Analysis	6010B		1	54118	08/11/12 01:58	SG	TAL NC
Total/NA	Analysis	6010B		1	54316	08/13/12 16:09	SG	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 07:47	TH	TAL NC

Client Sample ID: LL101-36NW-0006-SSXX

Lab Sample ID: 240-13672-17

Date Collected: 07/28/12 08:22

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53619	08/09/12 11:30	DE	TAL NC
Total/NA	Analysis	6010B		1	54118	08/11/12 02:01	SG	TAL NC
Total/NA	Analysis	6010B		10	54316	08/13/12 16:13	SG	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 07:47	TH	TAL NC

Client Sample ID: LL101-36NW-0602-SSXX

Lab Sample ID: 240-13672-18

Date Collected: 07/28/12 08:23

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 89.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53619	08/09/12 11:30	DE	TAL NC
Total/NA	Analysis	6010B		1	54118	08/11/12 01:43	SG	TAL NC
Total/NA	Analysis	6010B		1	54316	08/13/12 15:55	SG	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 07:47	TH	TAL NC

Client Sample ID: LL101-36SW-0006-SSXX

Lab Sample ID: 240-13672-19

Date Collected: 07/28/12 08:28

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 92.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53619	08/09/12 11:30	DE	TAL NC
Total/NA	Analysis	6010B		1	54118	08/11/12 02:06	SG	TAL NC
Total/NA	Analysis	6010B		1	54316	08/13/12 16:17	SG	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-36SW-0006-SSXX

Lab Sample ID: 240-13672-19

Date Collected: 07/28/12 08:28

Matrix: Solid

Date Received: 07/31/12 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	53091	08/03/12 07:47	TH	TAL NC

Client Sample ID: LL101-36SW-0602-SSXX

Lab Sample ID: 240-13672-20

Date Collected: 07/28/12 08:29

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 83.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53619	08/09/12 11:30	DE	TAL NC
Total/NA	Analysis	6010B		1	54118	08/11/12 02:10	SG	TAL NC
Total/NA	Analysis	6010B		4	54316	08/13/12 16:21	SG	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 07:47	TH	TAL NC

Client Sample ID: LL101-36SW-0205-SSXX

Lab Sample ID: 240-13672-21

Date Collected: 07/28/12 08:30

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 81.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53619	08/09/12 11:30	DE	TAL NC
Total/NA	Analysis	6010B		1	54118	08/11/12 02:14	SG	TAL NC
Total/NA	Analysis	6010B		1	54316	08/13/12 16:33	SG	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 07:47	TH	TAL NC

Client Sample ID: LL101-35NW-0006-SSXX

Lab Sample ID: 240-13672-24

Date Collected: 07/28/12 08:55

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 81.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53619	08/09/12 11:30	DE	TAL NC
Total/NA	Analysis	6010B		1	54118	08/11/12 02:25	SG	TAL NC
Total/NA	Analysis	6010B		2	54316	08/13/12 16:36	SG	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 07:47	TH	TAL NC

Client Sample ID: LL101-35NW-0602-SSXX

Lab Sample ID: 240-13672-25

Date Collected: 07/28/12 08:56

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 86.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53619	08/09/12 11:30	DE	TAL NC
Total/NA	Analysis	6010B		1	54118	08/11/12 02:30	SG	TAL NC
Total/NA	Analysis	6010B		1	54316	08/13/12 16:40	SG	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 07:47	TH	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-35NW-0205-SSXX

Lab Sample ID: 240-13672-26

Date Collected: 07/28/12 08:57

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 86.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53619	08/09/12 11:30	DE	TAL NC
Total/NA	Analysis	6010B		1	54118	08/11/12 02:34	SG	TAL NC
Total/NA	Analysis	6010B		1	54316	08/13/12 16:44	SG	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 07:47	TH	TAL NC

Client Sample ID: LL101-35NE-0006-SSXX

Lab Sample ID: 240-13672-27

Date Collected: 07/28/12 09:04

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53619	08/09/12 11:30	DE	TAL NC
Total/NA	Analysis	6010B		1	54118	08/11/12 02:37	SG	TAL NC
Total/NA	Analysis	6010B		10	54316	08/13/12 16:59	SG	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 07:47	TH	TAL NC

Client Sample ID: LL101-35NE-0602-SSXX

Lab Sample ID: 240-13672-28

Date Collected: 07/28/12 09:05

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 88.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53619	08/09/12 11:30	DE	TAL NC
Total/NA	Analysis	6010B		1	54118	08/11/12 02:42	SG	TAL NC
Total/NA	Analysis	6010B		1	54316	08/13/12 17:02	SG	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 07:47	TH	TAL NC

Client Sample ID: LL101-35NE-0205-SSXX

Lab Sample ID: 240-13672-29

Date Collected: 07/28/12 09:06

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 86.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53619	08/09/12 11:30	DE	TAL NC
Total/NA	Analysis	6010B		1	54118	08/11/12 02:46	SG	TAL NC
Total/NA	Analysis	6010B		1	54316	08/13/12 17:06	SG	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 07:47	TH	TAL NC

Client Sample ID: LL101-42NW-0006-SSXX

Lab Sample ID: 240-13672-32

Date Collected: 07/28/12 10:26

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 92.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53619	08/09/12 11:30	DE	TAL NC
Total/NA	Analysis	6010B		1	54118	08/11/12 02:50	SG	TAL NC
Total/NA	Analysis	6010B		1	54316	08/13/12 17:10	SG	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-42NW-0006-SSXX

Lab Sample ID: 240-13672-32

Date Collected: 07/28/12 10:26

Matrix: Solid

Date Received: 07/31/12 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	53091	08/03/12 07:47	TH	TAL NC

Client Sample ID: LL101-42NW-0602-SSXX

Lab Sample ID: 240-13672-33

Date Collected: 07/28/12 10:27

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 85.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53619	08/09/12 11:30	DE	TAL NC
Total/NA	Analysis	6010B		1	54118	08/11/12 02:54	SG	TAL NC
Total/NA	Analysis	6010B		1	54316	08/13/12 17:22	SG	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 07:47	TH	TAL NC

Client Sample ID: LL101-42NW-0205-SSXX

Lab Sample ID: 240-13672-34

Date Collected: 07/28/12 10:28

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 79.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53619	08/09/12 11:30	DE	TAL NC
Total/NA	Analysis	6010B		1	54118	08/11/12 02:58	SG	TAL NC
Total/NA	Analysis	6010B		1	54316	08/13/12 17:26	SG	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 07:47	TH	TAL NC

Client Sample ID: LL101-42NE-0006-SSXX

Lab Sample ID: 240-13672-35

Date Collected: 07/28/12 10:35

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 88.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53619	08/09/12 11:30	DE	TAL NC
Total/NA	Analysis	6010B		1	54118	08/11/12 03:02	SG	TAL NC
Total/NA	Analysis	6010B		1	54316	08/13/12 17:30	SG	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 07:47	TH	TAL NC

Client Sample ID: LL101-42NE-0602-SSXX

Lab Sample ID: 240-13672-36

Date Collected: 07/28/12 10:36

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 86.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53619	08/09/12 11:30	DE	TAL NC
Total/NA	Analysis	6010B		1	54118	08/11/12 03:13	SG	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 07:47	TH	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-42NE-0205-SSXX

Lab Sample ID: 240-13672-37

Date Collected: 07/28/12 10:37

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 66.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53619	08/09/12 11:30	DE	TAL NC
Total/NA	Analysis	6010B		1	54118	08/11/12 03:17	SG	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 07:47	TH	TAL NC

Client Sample ID: LL101-43NW-0006-SSXX

Lab Sample ID: 240-13672-40

Date Collected: 07/28/12 10:59

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 92.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53619	08/09/12 11:30	DE	TAL NC
Total/NA	Analysis	6010B		1	54118	08/11/12 03:21	SG	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 07:47	TH	TAL NC

Client Sample ID: LL101-43NW-0602-SSXX

Lab Sample ID: 240-13672-41

Date Collected: 07/28/12 11:00

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 92.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53619	08/09/12 11:30	DE	TAL NC
Total/NA	Analysis	6010B		1	54118	08/11/12 03:26	SG	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 07:47	TH	TAL NC

Client Sample ID: LL101-43NW-0205-SSXX

Lab Sample ID: 240-13672-42

Date Collected: 07/28/12 11:01

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 89.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53877	08/09/12 12:14	DE	TAL NC
Total/NA	Analysis	6010B		1	54118	08/10/12 23:29	SG	TAL NC
Total/NA	Analysis	6010B		1	54316	08/13/12 13:55	SG	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 11:21	TH	TAL NC

Client Sample ID: LL101-43SE-0006-SSXX

Lab Sample ID: 240-13672-43

Date Collected: 07/28/12 11:07

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 79.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53877	08/09/12 12:14	DE	TAL NC
Total/NA	Analysis	6010B		1	54118	08/10/12 23:44	SG	TAL NC
Total/NA	Analysis	6010B		2	54316	08/13/12 14:18	SG	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 07:47	TH	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-43SE-0602-SSXX

Lab Sample ID: 240-13672-44

Date Collected: 07/28/12 11:08

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 85.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53877	08/09/12 12:14	DE	TAL NC
Total/NA	Analysis	6010B		1	54118	08/10/12 23:49	SG	TAL NC
Total/NA	Analysis	6010B		1	54316	08/13/12 14:22	SG	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 07:47	TH	TAL NC

Client Sample ID: LL101-43SE-0205-SSXX

Lab Sample ID: 240-13672-45

Date Collected: 07/28/12 11:09

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 82.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53877	08/09/12 12:14	DE	TAL NC
Total/NA	Analysis	6010B		1	54118	08/10/12 23:53	SG	TAL NC
Total/NA	Analysis	6010B		1	54316	08/13/12 14:26	SG	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 07:47	TH	TAL NC

Client Sample ID: LL101-43NE-0006-SSXX

Lab Sample ID: 240-13672-46

Date Collected: 07/28/12 11:16

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 90.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53877	08/09/12 12:14	DE	TAL NC
Total/NA	Analysis	6010B		1	54118	08/11/12 00:05	SG	TAL NC
Total/NA	Analysis	6010B		2	54316	08/13/12 14:30	SG	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 07:47	TH	TAL NC

Client Sample ID: LL101-43NE-0602-SSXX

Lab Sample ID: 240-13672-47

Date Collected: 07/28/12 11:17

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 83.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53877	08/09/12 12:14	DE	TAL NC
Total/NA	Analysis	6010B		1	54118	08/11/12 00:09	SG	TAL NC
Total/NA	Analysis	6010B		1	54316	08/13/12 14:33	SG	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 07:47	TH	TAL NC

Client Sample ID: LL101-43SW-0006-SSXX

Lab Sample ID: 240-13672-48

Date Collected: 07/28/12 11:20

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 92.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53877	08/09/12 12:14	DE	TAL NC
Total/NA	Analysis	6010B		1	54118	08/11/12 00:17	SG	TAL NC
Total/NA	Analysis	6010B		2	54316	08/13/12 14:37	SG	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-43SW-0006-SSXX

Lab Sample ID: 240-13672-48

Date Collected: 07/28/12 11:20

Matrix: Solid

Date Received: 07/31/12 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	53091	08/03/12 07:47	TH	TAL NC

Client Sample ID: LL101-43SW-0602-SSXX

Lab Sample ID: 240-13672-49

Date Collected: 07/28/12 11:21

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 96.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53877	08/09/12 12:14	DE	TAL NC
Total/NA	Analysis	6010B		1	54118	08/11/12 00:21	SG	TAL NC
Total/NA	Analysis	6010B		1	54316	08/13/12 14:41	SG	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 07:47	TH	TAL NC

Client Sample ID: LL101-43SW-0205-SSXX

Lab Sample ID: 240-13672-50

Date Collected: 07/28/12 11:22

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 88.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53877	08/09/12 12:14	DE	TAL NC
Total/NA	Analysis	6010B		1	54118	08/11/12 00:25	SG	TAL NC
Total/NA	Analysis	6010B		1	54316	08/13/12 14:46	SG	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 07:47	TH	TAL NC

Client Sample ID: LL101-52SE-0006-SSXX

Lab Sample ID: 240-13672-53

Date Collected: 07/28/12 11:45

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 79.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53877	08/09/12 12:14	DE	TAL NC
Total/NA	Analysis	6010B		1	54118	08/11/12 00:29	SG	TAL NC
Total/NA	Analysis	6010B		4	54316	08/13/12 14:49	SG	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 07:47	TH	TAL NC

Client Sample ID: LL101-52SE-0602-SSXX

Lab Sample ID: 240-13672-54

Date Collected: 07/28/12 11:46

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 83.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53877	08/09/12 12:14	DE	TAL NC
Total/NA	Analysis	6010B		1	54118	08/11/12 00:33	SG	TAL NC
Total/NA	Analysis	6010B		1	54316	08/13/12 15:01	SG	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 07:47	TH	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-52SE-0205-SSXX

Lab Sample ID: 240-13672-55

Date Collected: 07/28/12 11:47

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 86.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53877	08/09/12 12:14	DE	TAL NC
Total/NA	Analysis	6010B		1	54118	08/11/12 00:41	SG	TAL NC
Total/NA	Analysis	6010B		1	54316	08/13/12 15:05	SG	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 07:47	TH	TAL NC

Client Sample ID: LL101-45NW-0006-SSXX

Lab Sample ID: 240-13672-58

Date Collected: 07/28/12 13:37

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 89.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53877	08/09/12 12:14	DE	TAL NC
Total/NA	Analysis	6010B		1	54118	08/11/12 00:52	SG	TAL NC
Total/NA	Analysis	6010B		4	54316	08/13/12 20:13	SG	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 07:47	TH	TAL NC

Client Sample ID: LL101-45NW-0602-SSXX

Lab Sample ID: 240-13672-59

Date Collected: 07/28/12 13:38

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 85.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53877	08/09/12 12:14	DE	TAL NC
Total/NA	Analysis	6010B		1	54118	08/11/12 00:56	SG	TAL NC
Total/NA	Analysis	6010B		1	54316	08/13/12 15:12	SG	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 07:47	TH	TAL NC

Client Sample ID: LL101-45NW-0205-SSXX

Lab Sample ID: 240-13672-60

Date Collected: 07/28/12 13:39

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 81.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53877	08/09/12 12:14	DE	TAL NC
Total/NA	Analysis	6010B		1	54118	08/11/12 01:04	SG	TAL NC
Total/NA	Analysis	6010B		1	54316	08/13/12 15:16	SG	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 07:47	TH	TAL NC

Client Sample ID: LL101-45SW-0006-SSXX

Lab Sample ID: 240-13672-61

Date Collected: 07/28/12 13:48

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 93.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53877	08/09/12 12:14	DE	TAL NC
Total/NA	Analysis	6010B		1	54118	08/11/12 01:08	SG	TAL NC
Total/NA	Analysis	6010B		4	54316	08/13/12 15:20	SG	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-45SW-0006-SSXX

Lab Sample ID: 240-13672-61

Date Collected: 07/28/12 13:48

Matrix: Solid

Date Received: 07/31/12 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	53091	08/03/12 07:47	TH	TAL NC

Client Sample ID: LL101-45SW-0602-SSXX

Lab Sample ID: 240-13672-62

Date Collected: 07/28/12 13:49

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 94.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53877	08/09/12 12:14	DE	TAL NC
Total/NA	Analysis	6010B		1	54118	08/11/12 01:12	SG	TAL NC
Total/NA	Analysis	6010B		4	54316	08/13/12 15:24	SG	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 07:47	TH	TAL NC

Client Sample ID: LL101-45SW-0205-SSXX

Lab Sample ID: 240-13672-63

Date Collected: 07/28/12 13:50

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 94.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53877	08/09/12 12:14	DE	TAL NC
Total/NA	Analysis	6010B		1	54118	08/11/12 01:16	SG	TAL NC
Total/NA	Analysis	6010B		2	54316	08/13/12 15:28	SG	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 07:47	TH	TAL NC

Client Sample ID: LL101-45NE-0006-SSXX

Lab Sample ID: 240-13672-64

Date Collected: 07/28/12 13:55

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 88.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53877	08/09/12 12:14	DE	TAL NC
Total/NA	Analysis	6010B		1	54118	08/11/12 01:20	SG	TAL NC
Total/NA	Analysis	6010B		1	54316	08/13/12 15:32	SG	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 07:47	TH	TAL NC

Client Sample ID: LL101-45NE-0602-SSXX

Lab Sample ID: 240-13672-65

Date Collected: 07/28/12 13:56

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 92.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53877	08/09/12 12:14	DE	TAL NC
Total/NA	Analysis	6010B		1	54118	08/11/12 01:24	SG	TAL NC
Total/NA	Analysis	6010B		1	54316	08/13/12 15:36	SG	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 07:47	TH	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-45NE-0205-SSXX

Lab Sample ID: 240-13672-66

Date Collected: 07/28/12 13:57

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 92.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			54033	08/10/12 11:34	DE	TAL NC
Total/NA	Analysis	6010B		1	54337	08/13/12 21:27	KC	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 07:47	TH	TAL NC

Client Sample ID: LL101-54NW-0006-SSXX

Lab Sample ID: 240-13672-69

Date Collected: 07/28/12 14:19

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 86.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			54033	08/10/12 11:34	DE	TAL NC
Total/NA	Analysis	6010B		1	54337	08/13/12 21:33	KC	TAL NC
Total/NA	Analysis	6010B		5	54337	08/14/12 06:36	KC	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 07:47	TH	TAL NC

Client Sample ID: LL101-54NW-0602-SSXX

Lab Sample ID: 240-13672-70

Date Collected: 07/28/12 14:20

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 88.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			54033	08/10/12 11:34	DE	TAL NC
Total/NA	Analysis	6010B		1	54337	08/13/12 20:53	KC	TAL NC
Total/NA	Analysis	6010B		5	54337	08/14/12 06:02	KC	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 11:21	TH	TAL NC

Client Sample ID: LL101-54NW-0205-SSXX

Lab Sample ID: 240-13672-71

Date Collected: 07/28/12 14:24

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 93.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			54033	08/10/12 11:34	DE	TAL NC
Total/NA	Analysis	6010B		1	54337	08/13/12 21:39	KC	TAL NC
Total/NA	Analysis	6010B		1	54337	08/14/12 06:42	KC	TAL NC
Total/NA	Analysis	6010B		5	54337	08/14/12 06:48	KC	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 11:21	TH	TAL NC

Client Sample ID: LL101-54NE-0006-SSXX

Lab Sample ID: 240-13672-72

Date Collected: 07/28/12 14:26

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 86.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			54033	08/10/12 11:34	DE	TAL NC
Total/NA	Analysis	6010B		1	54337	08/13/12 21:44	KC	TAL NC
Total/NA	Analysis	6010B		5	54337	08/14/12 06:53	KC	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-54NE-0006-SSXX

Lab Sample ID: 240-13672-72

Date Collected: 07/28/12 14:26

Matrix: Solid

Date Received: 07/31/12 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	53091	08/03/12 11:21	TH	TAL NC

Client Sample ID: LL101-54NE-0602-SSXX

Lab Sample ID: 240-13672-73

Date Collected: 07/28/12 14:27

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 89.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			54033	08/10/12 11:34	DE	TAL NC
Total/NA	Analysis	6010B		1	54337	08/13/12 21:50	KC	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 11:21	TH	TAL NC

Client Sample ID: LL101-54NE-0205-SSXX

Lab Sample ID: 240-13672-74

Date Collected: 07/28/12 14:28

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 97.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			54033	08/10/12 11:34	DE	TAL NC
Total/NA	Analysis	6010B		1	54337	08/13/12 21:56	KC	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 11:21	TH	TAL NC

Client Sample ID: LL101-54SE-0006-SSXX

Lab Sample ID: 240-13672-75

Date Collected: 07/28/12 14:37

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			54033	08/10/12 11:34	DE	TAL NC
Total/NA	Analysis	6010B		1	54337	08/13/12 22:01	KC	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 11:21	TH	TAL NC

Client Sample ID: LL101-54SE-0602-SSXX

Lab Sample ID: 240-13672-76

Date Collected: 07/28/12 14:38

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 91.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			54033	08/10/12 11:34	DE	TAL NC
Total/NA	Analysis	6010B		1	54337	08/13/12 22:07	KC	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 11:21	TH	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-54SE-0205-SSXX

Lab Sample ID: 240-13672-77

Date Collected: 07/28/12 14:39

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 88.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			54033	08/10/12 11:34	DE	TAL NC
Total/NA	Analysis	6010B		1	54337	08/13/12 22:24	KC	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 11:21	TH	TAL NC

Client Sample ID: LL101-54SW-0006-SSXX

Lab Sample ID: 240-13672-78

Date Collected: 07/28/12 14:43

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 87.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			54033	08/10/12 11:34	DE	TAL NC
Total/NA	Analysis	6010B		1	54337	08/13/12 22:30	KC	TAL NC
Total/NA	Analysis	6010B		1	54337	08/14/12 09:09	KC	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 11:21	TH	TAL NC

Client Sample ID: LL101-54SW-0602-SSXX

Lab Sample ID: 240-13672-79

Date Collected: 07/28/12 14:44

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 94.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			54033	08/10/12 11:34	DE	TAL NC
Total/NA	Analysis	6010B		1	54337	08/13/12 22:35	KC	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 11:21	TH	TAL NC

Client Sample ID: LL101-54SW-0205-SSXX

Lab Sample ID: 240-13672-80

Date Collected: 07/28/12 14:45

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 78.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			54033	08/10/12 11:34	DE	TAL NC
Total/NA	Analysis	6010B		1	54337	08/13/12 22:41	KC	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 11:21	TH	TAL NC

Client Sample ID: LL101-71SW-0006-SSXX

Lab Sample ID: 240-13672-81

Date Collected: 07/28/12 15:03

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 88.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			54033	08/10/12 11:34	DE	TAL NC
Total/NA	Analysis	6010B		1	54337	08/13/12 22:47	KC	TAL NC
Total/NA	Analysis	6010B		5	54337	08/14/12 07:05	KC	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 11:21	TH	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-71SW-0602-SSXX

Lab Sample ID: 240-13672-82

Date Collected: 07/28/12 15:04

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 81.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			54033	08/10/12 11:34	DE	TAL NC
Total/NA	Analysis	6010B		1	54337	08/13/12 22:52	KC	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 11:21	TH	TAL NC

Client Sample ID: LL101-71SW-0205-SSXX

Lab Sample ID: 240-13672-83

Date Collected: 07/28/12 15:05

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 92.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			54049	08/10/12 12:06	DE	TAL NC
Total/NA	Analysis	6010B		1	54316	08/13/12 12:03	SG	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 11:21	TH	TAL NC

Client Sample ID: LL101-71SE-0006-SSXX

Lab Sample ID: 240-13672-84

Date Collected: 07/28/12 15:10

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 89.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			54049	08/10/12 12:06	DE	TAL NC
Total/NA	Analysis	6010B		1	54316	08/13/12 12:17	SG	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 11:21	TH	TAL NC

Client Sample ID: LL101-71SE-0602-SSXX

Lab Sample ID: 240-13672-85

Date Collected: 07/28/12 15:11

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 86.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			54049	08/10/12 12:06	DE	TAL NC
Total/NA	Analysis	6010B		1	54316	08/13/12 12:21	SG	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 11:21	TH	TAL NC

Client Sample ID: LL101-71SE-0205-SSXX

Lab Sample ID: 240-13672-86

Date Collected: 07/28/12 15:12

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			54049	08/10/12 12:06	DE	TAL NC
Total/NA	Analysis	6010B		1	54316	08/13/12 12:25	SG	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 11:21	TH	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-71NW-0006-SSXX

Lab Sample ID: 240-13672-87

Date Collected: 07/28/12 15:18

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 89.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			54049	08/10/12 12:06	DE	TAL NC
Total/NA	Analysis	6010B		1	54316	08/13/12 12:29	SG	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 11:21	TH	TAL NC

Client Sample ID: LL101-71NW-0602-SSXX

Lab Sample ID: 240-13672-88

Date Collected: 07/28/12 15:19

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 90.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			54049	08/10/12 12:06	DE	TAL NC
Total/NA	Analysis	6010B		1	54316	08/13/12 12:41	SG	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 11:21	TH	TAL NC

Client Sample ID: LL101-71NW-0205-SSXX

Lab Sample ID: 240-13672-89

Date Collected: 07/28/12 15:20

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 92.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			54049	08/10/12 12:06	DE	TAL NC
Total/NA	Analysis	6010B		1	54316	08/13/12 12:45	SG	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 11:21	TH	TAL NC

Client Sample ID: LL101-DP21-XXXX-SSFD

Lab Sample ID: 240-13672-92

Date Collected: 07/28/12 00:00

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 95.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			54049	08/10/12 12:06	DE	TAL NC
Total/NA	Analysis	6010B		1	54316	08/13/12 12:48	SG	TAL NC
Total/NA	Analysis	6010B		5	54337	08/14/12 09:15	KC	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 11:21	TH	TAL NC

Client Sample ID: LL101-DP22-XXXX-SSFD

Lab Sample ID: 240-13672-93

Date Collected: 07/28/12 00:00

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 84.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			54049	08/10/12 12:06	DE	TAL NC
Total/NA	Analysis	6010B		1	54316	08/13/12 12:53	SG	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 11:21	TH	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-DP23-XXXX-SSFD

Lab Sample ID: 240-13672-94

Date Collected: 07/28/12 00:00

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 89.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			54049	08/10/12 12:06	DE	TAL NC
Total/NA	Analysis	6010B		1	54316	08/13/12 12:56	SG	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 11:21	TH	TAL NC

Client Sample ID: LL101-DP24-XXXX-SSFD

Lab Sample ID: 240-13672-95

Date Collected: 07/28/12 00:00

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 67.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			54049	08/10/12 12:06	DE	TAL NC
Total/NA	Analysis	6010B		1	54316	08/13/12 13:00	SG	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 11:21	TH	TAL NC

Client Sample ID: LL101-DP25-XXXX-SSFD

Lab Sample ID: 240-13672-96

Date Collected: 07/28/12 00:00

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 95.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			54049	08/10/12 12:06	DE	TAL NC
Total/NA	Analysis	6010B		1	54316	08/13/12 13:04	SG	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 11:21	TH	TAL NC

Client Sample ID: LL101-DP26-XXXX-SSFD

Lab Sample ID: 240-13672-97

Date Collected: 07/28/12 00:00

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 94.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			54049	08/10/12 12:06	DE	TAL NC
Total/NA	Analysis	6010B		1	54316	08/13/12 13:08	SG	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 11:21	TH	TAL NC

Client Sample ID: LL101-DP27-XXXX-SSFD

Lab Sample ID: 240-13672-98

Date Collected: 07/28/12 00:00

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 93.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			54049	08/10/12 12:06	DE	TAL NC
Total/NA	Analysis	6010B		1	54316	08/13/12 13:12	SG	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 11:21	TH	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Client Sample ID: LL101-DP28-XXXX-SSFD

Lab Sample ID: 240-13672-99

Date Collected: 07/28/12 00:00

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 77.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			54049	08/10/12 12:06	DE	TAL NC
Total/NA	Analysis	6010B		1	54316	08/13/12 13:16	SG	TAL NC
Total/NA	Analysis	Moisture		1	53091	08/03/12 11:21	TH	TAL NC

Laboratory References:

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

Certification Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13672-1

Laboratory: TestAmerica Canton

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

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAC	9	01144CA	06-30-13
Connecticut	State Program	1	PH-0590	12-31-13
Florida	NELAC	4	E87225	06-30-13
Georgia	State Program	4	N/A	06-30-13
Illinois	NELAC	5	200004	07-31-13
Kansas	NELAC	7	E-10336	01-31-13
Kentucky	State Program	4	58	11-16-12
L-A-B	DoD ELAP		L2315	02-28-13
Minnesota	NELAC	5	039-999-348	12-31-12
Nevada	State Program	9	OH-000482008A	07-31-12
New Jersey	NELAC	2	OH001	06-30-13
New York	NELAC	2	10975	04-01-13
Ohio VAP	State Program	5	CL0024	01-19-14
Pennsylvania	NELAC	3	68-00340	08-31-12
USDA	Federal		P330-11-00328	08-26-14
Virginia	NELAC	3	460175	09-14-12
Washington	State Program	10	C971	01-12-13
West Virginia DEP	State Program	3	210	12-31-12
Wisconsin	State Program	5	999518190	08-31-12

Chain of Custody Record

North Canton

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

Company Name: Amec Address: 46850 Nagellon St. 190 City/State/Zip: North Canton, OH 44137 Phone: 208-926-9005 Project Name: Hwy Lake Implen Project Number: 329311440 PO: Direct Bill to HON		Client Project Manager: Dan Dyer Telephone: Same Email: dan.dyer@amec.com Method of Shipment/Carrier: FedEx Shipping/Tracking No.:		Site Contact: Telephone: Analysis Turnaround Time (in Business Days): <input type="checkbox"/> 3 weeks <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day TAT is different from below: STANDARD		Lab Contact: Mark Leeb Telephone: Analyses: Waste Characterization Sp/As, C, G, E, B Composite C / Grab G		COC No.: 032980 of 11 COCs	
Sample Identification LL101-30SE-0006-SSXX LL101-30SE-0607-SSXX LL101-30SE-0705-SSXX LL101-30NE-0006-SSXX LL101-30NE-0607-SSXX LL101-30NE-0705-SSXX LL101-30NE-0006-SSXX LL101-30NE-0607-SSXX LL101-37NW-0006-SSXX LL101-37NW-0607-SSXX		Sample Date 7/18/12 7/20 7/21 7/25 7/26 7/27 7/33 7/38 7/43 7/44		Matrix: Air <input type="checkbox"/> Aqueous <input type="checkbox"/> Sediment <input type="checkbox"/> Solid <input type="checkbox"/> Other: <input type="checkbox"/> H2SO4 <input type="checkbox"/> HNO3 <input type="checkbox"/> HCl <input type="checkbox"/> NaOH <input type="checkbox"/> ZnAc <input type="checkbox"/> LiOH <input type="checkbox"/> Other: <input type="checkbox"/>		Filtered Sample (Y/N) G X G X G X G X G X G X C X C X G X G X		Sample Specific Notes / Special Instructions: hold hold	

Special Instructions/OC Requirements & Comments:
 hold waste characterization

Relinquished by: [Signature]
Relinquished by: [Signature]
Relinquished by: [Signature]

Company: Amec
Company: [Signature]
Company: [Signature]

Date/Time: 7/20/12 - 12p
Date/Time: 7/20/12 - 12p
Date/Time: 7/20/12 - 12p

Received by: [Signature]
Received by: [Signature]
Received by: [Signature]

Company: [Signature]
Company: [Signature]
Company: [Signature]

Chain of Custody Record

North Canton, OH

TestAmerica Laboratory location: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

Client Contact Company Name: <u>Amec</u> Address: <u>40850 Magellan</u> City/State/Zip: <u>Nor, MI 48377</u> Phone: <u>248-976-4006</u> Project Name: <u>AW Lake Linden</u> Project Number: <u>320311440</u> PO# <u>Direct Bill to client</u>		Client Project Manager: Name: <u>Don Dyer</u> Telephone: <u></u> Email: <u>don.dyer@amec.com</u>		Site Contact: Name: <u>Mark Leeb</u> Telephone: <u></u>		Lab Contact: Name: <u>Mark Leeb</u> Telephone: <u></u>		TestAmerica Laboratories, Inc. COC No: <u>032968</u> 2 of 11 COCs	
Method of Shipping/Carrier: <u>Fed Ex</u> Shipping/Tracking No: <u></u>		Analysis Turnaround Time (in business days) TAT if different from below: <u>Standard</u> <input type="checkbox"/> 3 weeks <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Analyses <u>Waste Characterization</u> <u>SB, As, Cu, Fe, Pb</u>		Sample Specific Notes / Special Instructions: <u>hold</u> <u>hold</u>		Containers & Packaging TAT if different from below: <u>Standard</u> <input type="checkbox"/> 3 weeks <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day	
Sample Identification Sample Date: <u>7/28/12</u> Sample Time: <u>745</u>		Matrix Air <input type="checkbox"/> Aqueous <input type="checkbox"/> Sediment <input type="checkbox"/> Solid <input type="checkbox"/> Other: <u></u>		Filtered Sample (Y/N) Y <input type="checkbox"/> N <input type="checkbox"/>		Compositional / Grab Y <input type="checkbox"/> N <input type="checkbox"/>		Analysis Y <input type="checkbox"/> N <input type="checkbox"/>	
Sample ID: <u>LL101-37NW-0205-SSXX</u> <u>LL101-37XX-0006-SSXX</u> <u>LL101-37XX-0602-SSXX</u> <u>LL101-36NE-0006-SSXX</u> <u>LL101-36NE-0602-SSXX</u> <u>LL101-36NE-0205-SSXX</u> <u>LL101-36NW-0006-SSXX</u> <u>LL101-36NW-0602-SSXX</u> <u>LL101-36NW-0006-SSXX</u> <u>LL101-36NW-0602-SSXX</u>		Sample Date: <u>7/28/12</u> Sample Time: <u>745</u> <u>755</u> <u>759</u> <u>812</u> <u>813</u> <u>814</u> <u>822</u> <u>823</u> <u>824</u> <u>828</u>		Y <input type="checkbox"/> N <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>		Y <input type="checkbox"/> N <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>		Y <input type="checkbox"/> N <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For: <u>Months</u>		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For: <u>Months</u>		Relinquished by: <u>Amec</u> Date/Time: <u>7/30/12-12P</u>		Relinquished by: <u>Amec</u> Date/Time: <u>7/30/12-12P</u>		Relinquished by: <u>Amec</u> Date/Time: <u>7/30/12-12P</u>	

Waste waste characterization

Chain of Custody Record

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

Client Contact		Client Project Manager:		Site Contact:		Lab Contact:		COC No:	
Company Name: <u>Amec</u>		Dan Dyer		-		Mark Leeb		043393	
Address: <u>46850 Maxwell</u>		Telephone: <u>Same</u>		Telephone:		Telephone:		3 of 11 COCs	
City/State/Zip: <u>Novi, MI 48377</u>		Email: <u>dyer@amec.com</u>		Analysis Turnaround Time (in 8Hr days):		Analyses:		For lab results: <input type="checkbox"/>	
Phone: <u>248-476-4008</u>		Method of Shipment/Carrier:		TAT if different from below: <u>Standard</u>		Waste location: <input type="checkbox"/>		Waste location: <input type="checkbox"/>	
Project Name: <u>HW Lake Under</u>		Shipping/Tracking No:		Containers & Preservatives:		Lab pickup: <input type="checkbox"/>		Lab sampling: <input type="checkbox"/>	
Project Number: <u>3293111440</u>				Matrix:		Waste location: <input type="checkbox"/>		Waste location: <input type="checkbox"/>	
PO# <u>0000000000</u>				Air		Waste location: <input type="checkbox"/>		Waste location: <input type="checkbox"/>	
Sample Identification		Sample Date		Sample Time		Filtered Sample (Y/N)		Sample Specific Notes / Special Instructions:	
LL101-36SW-0006-SSXX	7/29/12	828							
LL101-36SW-0602-SSXX		829							
LL101-36SW-0205-SSXX		830							
LL101-36XX-0006-SSXX		835							hold
LL101-36XX-0602-SSXX		840							hold
LL101-35NW-0006-SSXX		855							
LL101-35NW-0602-SSXX		856							
LL101-35NW-0205-SSXX		857							
LL101-35NE-0006-SSXX		904							
LL101-35NE-0602-SSXX		905							
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For									

hold waste characterization

Relinquished by: <u>Amec</u>	Company: <u>Amec</u>	Date/Time: <u>7/30/12 - 12P</u>	Received by: <u>FedEx</u>	Company: <u>FedEx</u>	Date/Time: <u>7-30-12/12P</u>
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

Mark Leeb
7/30/12
043393

Chain of Custody Record

TestAmerica Laboratory location: **North Canton, OH**

Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

Client Contact		Client Project Manager:		Site Contact:		Lab Contact:		COC No:		TestAmerica Laboratories, Inc.	
Company Name: Amur		Dan Dyer		Telephone:		Telephone:		032977		4 of 4 COCs	
Address: 4680 Maple		Telephone:		Telephone:		Telephone:					
City/State/Zip: Novi, MI 48277		Email: dan.dyer@amur.com		Analysis Turnaround Time (in business days)		Analytes					
Phone: 248-426-4005		Method of Shipment/Carrier:		TAT is different from below		Waste Characterization					
Project Name: Low Lakko Linden		Shipping/Tracking No:		3 weeks <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day <input type="checkbox"/>		Shuttle					
Project Number: 329311440											
PO# Direct Bill to HON											
Sample Identification		Sample Date		Sample Time		Matrix		Filtered Sample (Y/N)		Sample Specific Notes / Special Instructions:	
LL101-35NE-0205-SSXX		7/15/12		906		X		G		Weld	
LL101-35XX-000-SSXX		914						C		Weld	
LL101-35XX-0602-SSXX		919						C		Weld	
LL101-42NW-0006-SSXX		1026						G			
LL101-42NW-0602-SSXX		1027						G			
LL101-42NW-0205-SSXX		1028						G			
LL101-42NE-0006-SSXX		1035						G			
LL101-42NE-0602-SSXX		1036						G			
LL101-42NE-0205-SSXX		1037						G			
LL101-42XX-0006-SSXX		1045						C		Weld	
Possible Hazard Identification		Skin Irritant <input type="checkbox"/> Flammable <input type="checkbox"/> Non-Hazard <input type="checkbox"/>		Poison B <input type="checkbox"/> Unknown <input type="checkbox"/>		Return to Client <input type="checkbox"/> Disposal By Lab <input checked="" type="checkbox"/>		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		Months	
Special Instructions/OC Requirements & Comments:											
Weld waste characterization											
Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:	
Relinquished by:		Amur		7/30/12-12P		Edgc		Company:		2/30/12-12P	
Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:	
Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:	

Chain of Custody Record

TestAmerica Laboratory location: Ni Canton, OH

Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

Client Contact		Client Project Manager:		Site Contact:		Lab Contact:		COC No:	
Company Name: <u>Amec</u>		Name: <u>Dan Dyer</u>		Name: <u>-</u>		Name: <u>Mark Coeb</u>		043394	
Address: <u>46850 Magellan</u>		Telephone: <u>Same</u>		Telephone: <u>-</u>		Telephone: <u>-</u>		5 of 11 COCs	
City/State/Zip: <u>Novi, MI 48377</u>		Email: <u>dan.dyer@amec.com</u>		Analysis Turnaround Time (in 80% cases)		Analyses		For lab use only:	
Phone: <u>248-9760-4008</u>		TAT is different from below		<input type="checkbox"/> 3 weeks		<input type="checkbox"/> 2 weeks		<input type="checkbox"/> 1 week	
Project Name: <u>WW Lake Linden</u>		Method of Shipment/Carrier: <u>FedEx</u>		<input type="checkbox"/> 2 days		<input type="checkbox"/> 1 day		<input type="checkbox"/> 1 day	
Project Number: <u>3293111440</u>		Shipping/Tracking No: <u>-</u>		Matrix:		Containers & Preservatives		Filtered Sample (Y/N)	
PO# <u>Direct Bill to HOA</u>		Sample Date		Sample Time		Air		Composite (Y/N)	
Sample Identification		Sample Date		Sample Time		Aqueous		Solid	
1101-42XX-0602-SSXX		7/18/12		1050		X		3	
1101-43NW-0000-SSXX		7/18/12		1059		1		1	
1101-43NW-0602-SSXX		7/18/12		1100		1		1	
1101-43NW-0205-SSXX		7/18/12		1101		1		1	
1101-43NW-0205-SSXX		7/18/12		1102		1		1	
1101-43NW-0205-SSXX		7/18/12		1103		1		1	
1101-43SE-0000-SSXX		7/18/12		1107		1		1	
1101-43SE-0602-SSXX		7/18/12		1108		1		1	
1101-43SE-0205-SSXX		7/18/12		1109		1		1	
1101-43NE-0000-SSXX		7/18/12		1110		1		1	
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		Return to Client		Disposal By Lab		Archive For		Months	
Special Instructions/OC Requirements & Comments:		waste characterization		waste characterization		waste characterization		waste characterization	
Relinquished by: <u>[Signature]</u>		Company: <u>Amec</u>		Date/Time: <u>7/30/12-12P</u>		Received by: <u>Felix</u>		Company: <u>-</u>	
Relinquished by: <u>[Signature]</u>		Company: <u>-</u>		Date/Time: <u>-</u>		Received by: <u>[Signature]</u>		Company: <u>-</u>	
Relinquished by: <u>[Signature]</u>		Company: <u>-</u>		Date/Time: <u>-</u>		Received by: <u>[Signature]</u>		Company: <u>-</u>	

Chain of Custody Record

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

Company Name: <u>Amec</u>		Client Project Manager: <u>Dan Dyck</u>		Lab Contact: <u>Mark Loeb</u>		COC No: <u>044068</u>	
Address: <u>40850 Mayfield</u>		Telephone: <u>508-233-1144</u>		Telephone: <u>7 of 11 COCs</u>			
City/State/Zip: <u>Novi, MI 48377</u>		Email: <u>dan.dyck@amec.com</u>		Analysis Turnaround Time (in BUS days): <u>Standard</u>		For lab use only: <input type="checkbox"/> Walk-in test <input type="checkbox"/> Lab pickup <input type="checkbox"/> Lab sampling <input type="checkbox"/> Job SDS No: <u>11101-52XX-0602-SSXX</u>	
Project Name: <u>206-970-4065</u>		Method of Shipment/Carrier: <u>FedEx</u>		Composites C / Graph: <u>2</u>		Sample Specific Notes / Special Instructions: <u>hold</u>	
Project Number: <u>8003111440</u>		Shipping/Tracking No: <u>7/25/11 1200</u>		Filtered Sample (Y/N): <u>Y</u>			
PO# <u>Direct BVI to HONI</u>				Containers & Preservatives: <u>3</u>			
Sample Identification		Sample Date		Sample Time			
11101-52XX-0602-SSXX		7/25/11		1200			
11101-45NN-0006-SSXX		1337		1			
11101-45NN-0602-SSXX		1330		1			
11101-45NN-0205-SSXX		1339		1			
11101-45NN-0006-SSXX		1348		1			
11101-45NN-0602-SSXX		1349		1			
11101-45NN-0205-SSXX		1350		1			
11101-45NE-0006-SSXX		1355		1			
11101-45NE-0602-SSXX		1356		1			
11101-45NE-0205-SSXX		1357		1			
Possible Hazard Identification <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months							
Special Instructions/OC Requirements & Comments: <u>hold waste characterization</u>							
Relinquished by: <u>[Signature]</u>		Company: <u>Amec</u>		Received by: <u>FedEx</u>		Date/Time: <u>7/30/12-12P</u>	
Relinquished by:		Company:		Received by:		Date/Time:	
Relinquished by:		Company:		Received by: <u>Michael Lora</u>		Date/Time: <u>7/31/12 930</u>	

Chain of Custody Record

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

Client Contact Company Name: <u>Amec</u> Address: <u>43850 Maillon</u> City/State/Zip: <u>Novi, MI 48377</u> Phone: <u>248-926-4008</u> Project Name: <u>HW Lake Linden</u> Project Number: <u>329311440</u> PO# <u>DNV & BNL to HON</u>		Client Project Manager: Name: <u>Dan Dyer</u> Telephone: <u></u> Email: <u>dan.dyer@amec.com</u>		Site Contact: Name: <u>Mark Leeb</u> Telephone: <u></u>		Lab Contact: Name: <u>Mark Leeb</u> Telephone: <u></u>		COC No: <u>044069</u> of <u>11</u> COCs	
Analysis Turnaround Time TAT if different from below: <u>Standard</u> <input type="checkbox"/> 3 weeks <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Containers & Preservatives H2SO4 <input type="checkbox"/> HNO3 <input type="checkbox"/> HCl <input type="checkbox"/> NaOH <input type="checkbox"/> ZnAc <input type="checkbox"/> Others: <input type="checkbox"/>		Filtered Sample (Y/N) Composite <input type="checkbox"/> Grab <input type="checkbox"/>		Analyses For base only: <input type="checkbox"/> Metals only: <input type="checkbox"/> Lab radump: <input type="checkbox"/> Lab sampling: <input type="checkbox"/> 365SDG No: <input type="checkbox"/>		Sample Specific Notes / Special Instructions: None	
Matrix Air <input type="checkbox"/> Aqueous <input type="checkbox"/> Solid <input type="checkbox"/> Other: <input type="checkbox"/>		Sample Date Sample Time		Sample Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For		Months	
Possible Hazard Identification <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown		Sample Date: <u>7/26/12</u> Sample Time: <u>1404</u>		Sample Identification: <u>1404</u>		Disposal By Lab: <u>C</u>		Months: <u>hold</u>	
Sample Date: <u>7/26/12</u> Sample Time: <u>1409</u>		Sample Identification: <u>1409</u>		Disposal By Lab: <u>C</u>		Months: <u>hold</u>			
Sample Date: <u>7/26/12</u> Sample Time: <u>1419</u>		Sample Identification: <u>1419</u>		Disposal By Lab: <u>GX</u>		Months: <u>hold</u>			
Sample Date: <u>7/26/12</u> Sample Time: <u>1420</u>		Sample Identification: <u>1420</u>		Disposal By Lab: <u>GX</u>		Months: <u>hold</u>			
Sample Date: <u>7/26/12</u> Sample Time: <u>1421</u>		Sample Identification: <u>1421</u>		Disposal By Lab: <u>GX</u>		Months: <u>hold</u>			
Sample Date: <u>7/26/12</u> Sample Time: <u>1422</u>		Sample Identification: <u>1422</u>		Disposal By Lab: <u>GX</u>		Months: <u>hold</u>			
Sample Date: <u>7/26/12</u> Sample Time: <u>1424</u>		Sample Identification: <u>1424</u>		Disposal By Lab: <u>GX</u>		Months: <u>hold</u>			
Sample Date: <u>7/26/12</u> Sample Time: <u>1426</u>		Sample Identification: <u>1426</u>		Disposal By Lab: <u>GX</u>		Months: <u>hold</u>			
Sample Date: <u>7/26/12</u> Sample Time: <u>1427</u>		Sample Identification: <u>1427</u>		Disposal By Lab: <u>GX</u>		Months: <u>hold</u>			
Sample Date: <u>7/26/12</u> Sample Time: <u>1428</u>		Sample Identification: <u>1428</u>		Disposal By Lab: <u>GX</u>		Months: <u>hold</u>			
Special Instructions/OC Requirements & Comments: <u>hold waste characterization</u>									
Relinquished by: <u>[Signature]</u>		Company: <u>Amec</u>		Date/Time: <u>7/30/12</u>		Received by: <u>FeedEx</u>		Date/Time: <u>7/30/12 - 12P</u>	
Relinquished by: <u>[Signature]</u>		Company: <u>Amec</u>		Date/Time: <u></u>		Received by: <u></u>		Date/Time: <u></u>	
Relinquished by: <u>[Signature]</u>		Company: <u>Amec</u>		Date/Time: <u></u>		Received in Laboratory by: <u>[Signature]</u>		Date/Time: <u>7/31/12 9:30</u>	

Chain of Custody Record

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

Client Contact		Client Project Manager:		Site Contact:		Lab Contact:		COC No:	
Company Name: <u>Amer</u>		Dan Dyer		-		Mark Loeb		044070	
Address: <u>46850 Mapleton</u>		Telephone: <u>Sand</u>		Telephone:		Telephone:		9 of 11 COCs	
City/State/Zip: <u>Nori, MI 48377</u>		Email: <u>dan.dyer@amer.com</u>		Analysis Turnaround Time (in business days):		Analyses:		For lab use only:	
Phone: <u>248-926-4008</u>		Method of Shipment/Carrier: <u>FedEx</u>		<input type="checkbox"/> 3 weeks <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Wait-in clinic <input type="checkbox"/> Lab pickup <input type="checkbox"/> Lab sampling <input type="checkbox"/>		Lab use only:	
Project Name: <u>HW Lake Linden</u>		Shipping/Tracking No:		Matrix:		Containers & Preservatives:		Sample Specific Notes / Special Instructions:	
Project Number: <u>829311440</u>				Air <input type="checkbox"/> Solid <input type="checkbox"/> Other: <input type="checkbox"/> Aqueous <input type="checkbox"/> Sediment <input type="checkbox"/> Other: <input type="checkbox"/>		HCl <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> Other: <input type="checkbox"/>		Composite <input type="checkbox"/> Grab <input type="checkbox"/>	
PO# <u>DIRECT BILL TO HON</u>		Sample Date		Sample Time		Filtrated Sample (Y/N)		Sample Specific Notes / Special Instructions:	
		7/28/12		1437		G		waste characterization	
				1438		G		Sb, As, Cu, Fe, Pb	
				1439		G			
				1443		G			
				1444		G			
				1445		G			
				1503		G			
				1504		G			
				1505		G			
				1506		G			
Possible Hazard Identification		<input checked="" type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown		<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		Months	
Special Instructions/OC Requirements & Comments:									
waste characterization									
Relinquished by: <u>[Signature]</u>		Company: <u>Amer</u>		Date/Time: <u>7/30/12-12P</u>		Received by: <u>FedEx</u>		Date/Time: <u>7/30/12-12P</u>	
Relinquished by:		Company:		Date/Time:		Received by:		Date/Time:	
Relinquished by:		Company:		Date/Time:		Received in Laboratory by: <u>[Signature]</u>		Date/Time: <u>7/31/12 9:32</u>	

Chain of Custody Record

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

Client Contact Company Name: <u>Anne</u> Address: <u>46850 Mayfield</u> City/State/Zip: <u>Novi, MI 48377</u> Phone: <u>248-476-4058</u> Project Name: <u>RAW Lake Linden</u> Project Number: <u>3203111440</u> P.O. # <u>Direct Bill to H&N</u>		Client Project Manager: Name: <u>Don Dyer</u> Telephone: <u>Same</u> Email: <u>don.dyer@america.com</u> Method of Shipment/Carrier: <u>FedEx</u> Shipping/Tracking No.:		Site Contact: Name: <u>Mark Loeb</u> Telephone:		Lab Contact: Name: <u>Mark Loeb</u> Telephone:		COC No: <u>044071</u> <u>10</u> of <u>11</u> COCs	
Analysis Turnaround Time TAT is different from below: <u>Standard</u> <input type="checkbox"/> 3 weeks <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Containers & Preservatives: Matrix: <input type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Other: _____ Containers: <input type="checkbox"/> HCl <input type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> Other: _____		Analyses For release only: <input type="checkbox"/> Analysis: <input type="checkbox"/> Lab sampling: <input type="checkbox"/> Not SDE No:		Sample Specific Notes / Special Instructions:			
Sample Identification		Sample Date		Sample Time		Matrix		Containers & Preservatives	
LL101-71SW-0205-SSMD		7/28/12		1507		X		1	
LL101-71SE-0006-SSXX		1510		1511		1		1	
LL101-71SE-0602-SSXX		1512		1518		1		1	
LL101-71SE-0205-SSXX		1519		1520		1		1	
LL101-71NW-0602-SSXX		1525		1530		3		3	
LL101-71NW-0205-SSXX		1530		1530		3		3	
LL101-71XX-0006-SSWC		1530		1530		3		3	
LL101-71XX-0607-SSWC		1530		1530		3		3	
LL101-DP21-XXXX-SSFD		1530		1530		3		3	
Possibly Hazard Identification <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input checked="" type="checkbox"/> Return to Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For		Months					
Special Instructions/OC Requirements & Comments: wld waste characterization									
Relinquished by: Signature: <u>[Signature]</u> Date/Time: <u>7/30/12-12P</u> Company: <u>Anne</u>		Received by: Signature: <u>[Signature]</u> Date/Time: <u>7/30/12-12P</u> Company: <u>FedEx</u>							
Relinquished by: Signature: <u>[Signature]</u> Date/Time: <u>7/31/12 930</u> Company:		Received by: Signature: <u>[Signature]</u> Date/Time: <u>7/31/12 930</u> Company: <u>FA</u>							

TestAmerica North Canton Sample Receipt Form/Narrative

Login # : 13672

Client

MEC

Site Name

By:

(Signature)

Cooler Received on

7/31/12

Opened on

7/31/12

FedEx: 1st Grd (Exp) UPS FAS Stetson Client Drop Off TestAmerica Courier Other

TestAmerica Cooler #

Foam Box

Client Cooler

Box

Other

Packing material used: (Bubble Wrap)

Foam

Plastic Bag

None

Other

COOLANT: (Wet Ice)

Blue Ice

Dry Ice

Water

None

1. Cooler temperature upon receipt

IR GUN# 1 (CF 0°C) Observed Sample Temp. °C Corrected Sample Temp. °C

IR GUN# 4G (CF -1°C) Observed Sample Temp. °C Corrected Sample Temp. °C

IR GUN# 5G (CF -1°C) Observed Sample Temp. °C Corrected Sample Temp. °C

IR GUN# 8 (CF 0°C) Observed Sample Temp. °C Corrected Sample Temp. °C

Multiple
on Back

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity

Yes No

-Were custody seals on the outside of the cooler(s) signed & dated?

Yes No NA

-Were custody seals on the bottle(s)?

Yes No

3. Shippers' packing slip attached to the cooler(s)?

Yes No

4. Did custody papers accompany the sample(s)?

Yes No

5. Were the custody papers relinquished & signed in the appropriate place?

Yes No

6. Did all bottles arrive in good condition (Unbroken)?

Yes No

7. Could all bottle labels be reconciled with the COC?

Yes No

8. Were correct bottle(s) used for the test(s) indicated?

Yes No

9. Sufficient quantity received to perform indicated analyses?

Yes No

10. Were sample(s) at the correct pH upon receipt?

Yes No NA

11. Were VOAs on the COC?

Yes No

12. Were air bubbles >6 mm in any VOA vials?

Yes No NA

13. Was a trip blank present in the cooler(s)?

Yes No

Contacted PM

MSJ

Date

7/31/12

by

JM

via Verbal

Voice Mail

Other

E-Mail

Concerning

#14

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Received samples not on COC.

ID = 4102-54XX-0602-SSWC 7/28/12 @ 14:57

Volume = Waste Characterization tests.

ID = 44101-54XX-0006-SSWC 7/28/12 @ 14:52

Will log per MSJ.
Volume & Waste Characterization tests.

COC = 44101-AP27-XXXX-SSFD Jar = 44101-AP28-XXXX-SSFD

Will log per jar label.

15. SAMPLE CONDITION

Sample(s) were received after the recommended holding time had expired.

Sample(s) were received in a broken container.

Sample(s) were received with bubble >6 mm in diameter. (Notify PM)

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

were further preserved in Sample Receiving to meet

recommended pH level(s). Nitric Acid Lot# 110410-HNO₃; Sulfuric Acid Lot# 041911-H₂SO₄; Sodium Hydroxide Lot# 121809-NaOH; Hydrochloric Acid Lot# 041911-HCl; Sodium Hydroxide and Zinc Acetate Lot# 100108-(CH₃COO)₂ZN/NaOH. What time was preservative added to sample(s)?

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Login Sample Receipt Checklist

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-13672-1

Login Number: 13672

List Source: TestAmerica Canton

List Number: 1

Creator: Maddux, Ann

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Canton

4101 Shuffel Street NW

North Canton, OH 44720

Tel: (330)497-9396

TestAmerica Job ID: 240-13670-1

Client Project/Site: Lake Linden

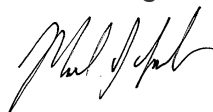
For:

AMEC Environment & Infrastructure, Inc.

46850 Magellan Drive, Suite 190

Novi, Michigan 48377

Attn: Doug Saigh



Authorized for release by:

8/14/2012 7:20:21 PM

Mark Loeb

Project Manager II

mark.loeb@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?



Visit us at:

www.testamericainc.com

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

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



Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Method Summary	7
Sample Summary	8
Detection Summary	9
Client Sample Results	16
QC Sample Results	57
QC Association Summary	60
Lab Chronicle	65
Certification Summary	74
Chain of Custody	76
Receipt Checklists	83

Definitions/Glossary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Qualifiers

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.
F	MS or MSD exceeds the control limits
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.

General Chemistry

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Job ID: 240-13670-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: AMEC Environment & Infrastructure, Inc.

Project: Lake Linden

Report Number: 240-13670-1

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

The 9012 Reactive Cyanide and 9034 Reactive Sulfide analysis were performed at the TestAmerica Buffalo Laboratory.

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

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

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

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

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

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

RECEIPT

The samples were received on 7/31/2012 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 5 coolers at receipt time were 1.6° C, 2.2° C, 3.9° C, 4.2° C and 4.6° C.

TOTAL METALS (ICP)

Samples LLI01-44SE-0006-SSXX (240-13670-1), LLI01-44SE-0602-SSXX (240-13670-2), LLI01-44SE-0205-SSXX (240-13670-3), LLI01-44NE-0006-SSXX (240-13670-4), LLI01-44NE-0602-SSXX (240-13670-5), LLI01-44NE-0205-SSXX (240-13670-6), LLI01-44NW-0006-SSXX (240-13670-7), LLI01-44NW-0602-SSXX (240-13670-8), LLI01-44NW-0205-SSXX (240-13670-9), LLI01-44SW-0006-SSXX (240-13670-10), LLI01-44SW-0602-SSXX (240-13670-11), LLI01-44SW-0205-SSXX (240-13670-12), LLI01-63SW-0006-SSXX (240-13670-15), LLI01-63SW-0602-SSXX (240-13670-16), LLI01-63SW-0205-SSXX (240-13670-17), LLI01-63NW-0006-SSXX (240-13670-18), LLI01-63NW-0602-SSXX (240-13670-19), LLI01-63NW-0205-SSXX (240-13670-20), LLI01-63SE-0006-SSXX (240-13670-21), LLI01-63SE-0602-SSXX (240-13670-22), LLI01-63SE-0205-SSXX (240-13670-23), LLI01-63NE-0006-SSXX (240-13670-24), LLI01-63NE-0602-SSXX (240-13670-25), LLI01-63NE-0205-SSXX (240-13670-26), LLI01-62SE-0006-SSXX (240-13670-29), LLI01-62SE-0602-SSXX (240-13670-30), LLI01-62SE-0205-SSXX (240-13670-31), LLI01-53NE-0006-SSXX (240-13670-34), LLI01-53NE-0602-SSXX (240-13670-35), LLI01-53NE-0205-SSXX (240-13670-36), LLI01-53SE-0006-SSXX (240-13670-37), LLI01-53SE-0602-SSXX (240-13670-38), LLI01-53SE-0205-SSXX (240-13670-39), LLI01-53SW-0006-SSXX (240-13670-40), LLI01-53SW-0602-SSXX (240-13670-41), LLI01-53SW-0205-SSXX (240-13670-42),

Case Narrative

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Job ID: 240-13670-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

LLI01-DP29-XXXX-SSFD (240-13670-45), LLI01-DP30-XXXX-SSFD (240-13670-46) and LLI01-DP31-XXXX-SSFD (240-13670-47) were analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 08/03/2012 and 08/07/2012 and analyzed on 08/08/2012, 08/09/2012 and 08/10/2012.

Iron was detected in method blank MB 240-53131/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

Antimony and Iron failed the recovery criteria low for the MS and MSD of sample LLI01-63SE-0205-SSXX (240-13670-23) in batch 240-53790.

Samples LLI01-44SE-0006-SSXX (240-13670-1)[5X], LLI01-44SE-0205-SSXX (240-13670-3)[5X], LLI01-44NE-0006-SSXX (240-13670-4)[5X], LLI01-44NW-0006-SSXX (240-13670-7)[100X], LLI01-44NW-0602-SSXX (240-13670-8)[5X], LLI01-44SW-0006-SSXX (240-13670-10)[100X], LLI01-63NW-0006-SSXX (240-13670-18)[5X], LLI01-63SE-0602-SSXX (240-13670-22)[10X], LLI01-63NE-0006-SSXX (240-13670-24)[5X], LLI01-53SE-0006-SSXX (240-13670-37)[5X], LLI01-53SW-0006-SSXX (240-13670-40)[5X], LLI01-53SW-0602-SSXX (240-13670-41)[5X] and LLI01-53SW-0205-SSXX (240-13670-42)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Method(s) 6010B: The following sample(s) was diluted due to the nature of the sample matrix: LLI01-63SE-0602-SSXX (240-13670-22). Elevated reporting limits (RLs) are provided.

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

REACTIVE CYANIDE

Samples LLI01-44XX-0006-SSWC (240-13670-13) and LLI01-44XX-0602-SSWC (240-13670-14) were analyzed for reactive cyanide in accordance with EPA SW-846 Method 7.3.3. The samples were prepared on 08/02/2012 and analyzed on 08/03/2012.

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

REACTIVE SULFIDE

Samples LLI01-44XX-0006-SSWC (240-13670-13) and LLI01-44XX-0602-SSWC (240-13670-14) were analyzed for reactive sulfide in accordance with EPA SW-846 Method 7.3.4. The samples were prepared on 08/02/2012 and analyzed on 08/03/2012.

Sulfide, Reactive was detected in method blank MB 480-74972/2-A at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

The method blank for batch 75148 contained reactive sulfide above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed. LLI01-44XX-0006-SSWC (240-13670-13), LLI01-44XX-0602-SSWC (240-13670-14).

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

PH

Samples LLI01-44XX-0006-SSWC (240-13670-13) and LLI01-44XX-0602-SSWC (240-13670-14) were analyzed for pH in accordance with EPA SW-846 Method 9045C. The samples were analyzed on 08/02/2012.

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

PERCENT SOLIDS

Samples LLI01-44SE-0006-SSXX (240-13670-1), LLI01-44SE-0602-SSXX (240-13670-2), LLI01-44SE-0205-SSXX (240-13670-3), LLI01-44NE-0006-SSXX (240-13670-4), LLI01-44NE-0602-SSXX (240-13670-5), LLI01-44NE-0205-SSXX (240-13670-6), LLI01-44NW-0006-SSXX (240-13670-7), LLI01-44NW-0602-SSXX (240-13670-8), LLI01-44NW-0205-SSXX (240-13670-9), LLI01-44SW-0006-SSXX (240-13670-10), LLI01-44SW-0602-SSXX (240-13670-11), LLI01-44SW-0205-SSXX (240-13670-12), LLI01-44XX-0006-SSWC (240-13670-13), LLI01-44XX-0602-SSWC (240-13670-14), LLI01-63SW-0006-SSXX (240-13670-15), LLI01-63SW-0602-SSXX (240-13670-16), LLI01-63SW-0205-SSXX (240-13670-17), LLI01-63NW-0006-SSXX (240-13670-18),

Case Narrative

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Job ID: 240-13670-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

LLI01-63NW-0602-SSXX (240-13670-19), LLI01-63NW-0205-SSXX (240-13670-20), LLI01-63SE-0006-SSXX (240-13670-21), LLI01-63SE-0602-SSXX (240-13670-22), LLI01-63SE-0205-SSXX (240-13670-23), LLI01-63NE-0006-SSXX (240-13670-24), LLI01-63NE-0602-SSXX (240-13670-25), LLI01-63NE-0205-SSXX (240-13670-26), LLI01-62SE-0006-SSXX (240-13670-29), LLI01-62SE-0602-SSXX (240-13670-30), LLI01-62SE-0205-SSXX (240-13670-31), LLI01-53NE-0006-SSXX (240-13670-34), LLI01-53NE-0602-SSXX (240-13670-35), LLI01-53NE-0205-SSXX (240-13670-36), LLI01-53SE-0006-SSXX (240-13670-37), LLI01-53SE-0602-SSXX (240-13670-38), LLI01-53SE-0205-SSXX (240-13670-39), LLI01-53SW-0006-SSXX (240-13670-40), LLI01-53SW-0602-SSXX (240-13670-41), LLI01-53SW-0205-SSXX (240-13670-42), LLI01-DP29-XXXX-SSFD (240-13670-45), LLI01-DP30-XXXX-SSFD (240-13670-46) and LLI01-DP31-XXXX-SSFD (240-13670-47) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 08/01/2012.

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

Method Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL NC
9012	Cyanide, Reactive	SW846	TAL BUF
9034	Sulfide, Reactive	SW846	TAL BUF
9045C	pH	SW846	TAL NC
Moisture	Percent Moisture	EPA	TAL NC

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

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

Sample Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-13670-1	LLI01-44SE-0006-SSXX	Solid	07/29/12 07:00	07/31/12 09:30
240-13670-2	LLI01-44SE-0602-SSXX	Solid	07/29/12 07:01	07/31/12 09:30
240-13670-3	LLI01-44SE-0205-SSXX	Solid	07/29/12 07:02	07/31/12 09:30
240-13670-4	LLI01-44NE-0006-SSXX	Solid	07/29/12 07:10	07/31/12 09:30
240-13670-5	LLI01-44NE-0602-SSXX	Solid	07/29/12 07:11	07/31/12 09:30
240-13670-6	LLI01-44NE-0205-SSXX	Solid	07/29/12 07:12	07/31/12 09:30
240-13670-7	LLI01-44NW-0006-SSXX	Solid	07/29/12 07:17	07/31/12 09:30
240-13670-8	LLI01-44NW-0602-SSXX	Solid	07/29/12 07:18	07/31/12 09:30
240-13670-9	LLI01-44NW-0205-SSXX	Solid	07/29/12 07:19	07/31/12 09:30
240-13670-10	LLI01-44SW-0006-SSXX	Solid	07/29/12 07:27	07/31/12 09:30
240-13670-11	LLI01-44SW-0602-SSXX	Solid	07/29/12 07:28	07/31/12 09:30
240-13670-12	LLI01-44SW-0205-SSXX	Solid	07/29/12 07:29	07/31/12 09:30
240-13670-13	LLI01-44XX-0006-SSWC	Solid	07/29/12 07:35	07/31/12 09:30
240-13670-14	LLI01-44XX-0602-SSWC	Solid	07/29/12 07:40	07/31/12 09:30
240-13670-15	LLI01-63SW-0006-SSXX	Solid	07/29/12 07:53	07/31/12 09:30
240-13670-16	LLI01-63SW-0602-SSXX	Solid	07/29/12 07:54	07/31/12 09:30
240-13670-17	LLI01-63SW-0205-SSXX	Solid	07/29/12 07:55	07/31/12 09:30
240-13670-18	LLI01-63NW-0006-SSXX	Solid	07/29/12 08:02	07/31/12 09:30
240-13670-19	LLI01-63NW-0602-SSXX	Solid	07/29/12 08:03	07/31/12 09:30
240-13670-20	LLI01-63NW-0205-SSXX	Solid	07/29/12 08:04	07/31/12 09:30
240-13670-21	LLI01-63SE-0006-SSXX	Solid	07/29/12 08:15	07/31/12 09:30
240-13670-22	LLI01-63SE-0602-SSXX	Solid	07/29/12 08:16	07/31/12 09:30
240-13670-23	LLI01-63SE-0205-SSXX	Solid	07/29/12 08:17	07/31/12 09:30
240-13670-24	LLI01-63NE-0006-SSXX	Solid	07/29/12 08:25	07/31/12 09:30
240-13670-25	LLI01-63NE-0602-SSXX	Solid	07/29/12 08:26	07/31/12 09:30
240-13670-26	LLI01-63NE-0205-SSXX	Solid	07/29/12 08:27	07/31/12 09:30
240-13670-29	LLI01-62SE-0006-SSXX	Solid	07/29/12 08:44	07/31/12 09:30
240-13670-30	LLI01-62SE-0602-SSXX	Solid	07/29/12 08:45	07/31/12 09:30
240-13670-31	LLI01-62SE-0205-SSXX	Solid	07/29/12 08:46	07/31/12 09:30
240-13670-34	LLI01-53NE-0006-SSXX	Solid	07/29/12 09:50	07/31/12 09:30
240-13670-35	LLI01-53NE-0602-SSXX	Solid	07/29/12 09:51	07/31/12 09:30
240-13670-36	LLI01-53NE-0205-SSXX	Solid	07/29/12 09:52	07/31/12 09:30
240-13670-37	LLI01-53SE-0006-SSXX	Solid	07/29/12 09:59	07/31/12 09:30
240-13670-38	LLI01-53SE-0602-SSXX	Solid	07/29/12 10:00	07/31/12 09:30
240-13670-39	LLI01-53SE-0205-SSXX	Solid	07/29/12 10:01	07/31/12 09:30
240-13670-40	LLI01-53SW-0006-SSXX	Solid	07/29/12 10:06	07/31/12 09:30
240-13670-41	LLI01-53SW-0602-SSXX	Solid	07/29/12 10:07	07/31/12 09:30
240-13670-42	LLI01-53SW-0205-SSXX	Solid	07/29/12 10:08	07/31/12 09:30
240-13670-45	LLI01-DP29-XXXX-SSFD	Solid	07/29/12 00:00	07/31/12 09:30
240-13670-46	LLI01-DP30-XXXX-SSFD	Solid	07/29/12 00:00	07/31/12 09:30
240-13670-47	LLI01-DP31-XXXX-SSFD	Solid	07/29/12 00:00	07/31/12 09:30

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Client Sample ID: LLI01-44SE-0006-SSXX

Lab Sample ID: 240-13670-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	1300		950	370	ug/Kg	1	☼	6010B	Total/NA
Arsenic	17000		950	290	ug/Kg	1	☼	6010B	Total/NA
Copper	9300000		12000	3500	ug/Kg	5	☼	6010B	Total/NA
Iron	26000000	B	9500	4700	ug/Kg	1	☼	6010B	Total/NA
Lead	66000		1400	900	ug/Kg	5	☼	6010B	Total/NA

Client Sample ID: LLI01-44SE-0602-SSXX

Lab Sample ID: 240-13670-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4100		1000	310	ug/Kg	1	☼	6010B	Total/NA
Copper	1600000		2600	780	ug/Kg	1	☼	6010B	Total/NA
Iron	10000000	B	10000	5100	ug/Kg	1	☼	6010B	Total/NA
Lead	18000		310	200	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-44SE-0205-SSXX

Lab Sample ID: 240-13670-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	670	J	880	340	ug/Kg	1	☼	6010B	Total/NA
Arsenic	7200		880	260	ug/Kg	1	☼	6010B	Total/NA
Copper	6100000		11000	3200	ug/Kg	5	☼	6010B	Total/NA
Iron	15000000	B	8800	4300	ug/Kg	1	☼	6010B	Total/NA
Lead	760000		1300	830	ug/Kg	5	☼	6010B	Total/NA

Client Sample ID: LLI01-44NE-0006-SSXX

Lab Sample ID: 240-13670-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	740	J	850	330	ug/Kg	1	☼	6010B	Total/NA
Arsenic	3200		850	260	ug/Kg	1	☼	6010B	Total/NA
Copper	12000000		11000	3200	ug/Kg	5	☼	6010B	Total/NA
Iron	19000000	B	8500	4200	ug/Kg	1	☼	6010B	Total/NA
Lead	15000		1300	810	ug/Kg	5	☼	6010B	Total/NA

Client Sample ID: LLI01-44NE-0602-SSXX

Lab Sample ID: 240-13670-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	900	J B	1000	400	ug/Kg	1	☼	6010B	Total/NA
Arsenic	7500		1000	310	ug/Kg	1	☼	6010B	Total/NA
Copper	4000000		2600	760	ug/Kg	1	☼	6010B	Total/NA
Iron	11000000	B	10000	5000	ug/Kg	1	☼	6010B	Total/NA
Lead	18000	B	310	190	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-44NE-0205-SSXX

Lab Sample ID: 240-13670-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4200		920	280	ug/Kg	1	☼	6010B	Total/NA
Copper	2800000		2300	680	ug/Kg	1	☼	6010B	Total/NA
Iron	9700000	B	9200	4500	ug/Kg	1	☼	6010B	Total/NA
Lead	36000	B	280	180	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-44NW-0006-SSXX

Lab Sample ID: 240-13670-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	2100	B	990	390	ug/Kg	1	☼	6010B	Total/NA

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Client Sample ID: LLI01-44NW-0006-SSXX (Continued)

Lab Sample ID: 240-13670-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	50000		990	300	ug/Kg	1	☼	6010B	Total/NA
Copper	130000000		250000	73000	ug/Kg	100	☼	6010B	Total/NA
Iron	180000000	B	9900	4800	ug/Kg	1	☼	6010B	Total/NA
Lead	200000	B	30000	19000	ug/Kg	100	☼	6010B	Total/NA

Client Sample ID: LLI01-44NW-0602-SSXX

Lab Sample ID: 240-13670-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	690	J B	820	320	ug/Kg	1	☼	6010B	Total/NA
Arsenic	5100		820	250	ug/Kg	1	☼	6010B	Total/NA
Copper	110000000		10000	3000	ug/Kg	5	☼	6010B	Total/NA
Iron	120000000	B	8200	4000	ug/Kg	1	☼	6010B	Total/NA
Lead	65000	B	1200	780	ug/Kg	5	☼	6010B	Total/NA

Client Sample ID: LLI01-44NW-0205-SSXX

Lab Sample ID: 240-13670-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	1700		1200	370	ug/Kg	1	☼	6010B	Total/NA
Copper	180000		3100	920	ug/Kg	1	☼	6010B	Total/NA
Iron	9900000	B	12000	6100	ug/Kg	1	☼	6010B	Total/NA
Lead	2400	B	370	240	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-44SW-0006-SSXX

Lab Sample ID: 240-13670-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	2800	B	1000	400	ug/Kg	1	☼	6010B	Total/NA
Arsenic	54000		1000	310	ug/Kg	1	☼	6010B	Total/NA
Copper	120000000		260000	76000	ug/Kg	100	☼	6010B	Total/NA
Iron	29000000	B	10000	5000	ug/Kg	1	☼	6010B	Total/NA
Lead	310000	B	31000	20000	ug/Kg	100	☼	6010B	Total/NA

Client Sample ID: LLI01-44SW-0602-SSXX

Lab Sample ID: 240-13670-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	480	J B	1100	430	ug/Kg	1	☼	6010B	Total/NA
Arsenic	6700		1100	330	ug/Kg	1	☼	6010B	Total/NA
Copper	510000		2800	820	ug/Kg	1	☼	6010B	Total/NA
Iron	16000000	B	11000	5500	ug/Kg	1	☼	6010B	Total/NA
Lead	6300	B	330	210	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-44SW-0205-SSXX

Lab Sample ID: 240-13670-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	750	J B	1100	420	ug/Kg	1	☼	6010B	Total/NA
Arsenic	6400		1100	320	ug/Kg	1	☼	6010B	Total/NA
Copper	970000		2700	800	ug/Kg	1	☼	6010B	Total/NA
Iron	12000000	B	11000	5300	ug/Kg	1	☼	6010B	Total/NA
Lead	25000	B	320	210	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-44XX-0006-SSWC

Lab Sample ID: 240-13670-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfide, Reactive	4.0	J B	10	0.57	mg/Kg	1		9034	Total/NA

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Client Sample ID: LLI01-44XX-0006-SSWC (Continued)

Lab Sample ID: 240-13670-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
pH	7.40		0.100	0.100	SU	1		9045C	Total/NA

Client Sample ID: LLI01-44XX-0602-SSWC

Lab Sample ID: 240-13670-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfide, Reactive	6.0	J B	10	0.57	mg/Kg	1		9034	Total/NA
pH	7.55		0.100	0.100	SU	1		9045C	Total/NA

Client Sample ID: LLI01-63SW-0006-SSXX

Lab Sample ID: 240-13670-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	690	J B	1000	400	ug/Kg	1	☼	6010B	Total/NA
Arsenic	13000		1000	300	ug/Kg	1	☼	6010B	Total/NA
Copper	2700000		2500	750	ug/Kg	1	☼	6010B	Total/NA
Iron	20000000	B	10000	5000	ug/Kg	1	☼	6010B	Total/NA
Lead	70000	B	300	190	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-63SW-0602-SSXX

Lab Sample ID: 240-13670-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	1600		1000	300	ug/Kg	1	☼	6010B	Total/NA
Copper	520000		2500	740	ug/Kg	1	☼	6010B	Total/NA
Iron	12000000	B	10000	4900	ug/Kg	1	☼	6010B	Total/NA
Lead	2800	B	300	190	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-63SW-0205-SSXX

Lab Sample ID: 240-13670-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	1800		1100	340	ug/Kg	1	☼	6010B	Total/NA
Copper	1100000		2900	850	ug/Kg	1	☼	6010B	Total/NA
Iron	13000000	B	11000	5600	ug/Kg	1	☼	6010B	Total/NA
Lead	3400	B	340	220	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-63NW-0006-SSXX

Lab Sample ID: 240-13670-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	540	J B	920	360	ug/Kg	1	☼	6010B	Total/NA
Arsenic	5100		920	280	ug/Kg	1	☼	6010B	Total/NA
Copper	5200000		12000	3400	ug/Kg	5	☼	6010B	Total/NA
Iron	12000000	B	9200	4500	ug/Kg	1	☼	6010B	Total/NA
Lead	37000	B	1400	880	ug/Kg	5	☼	6010B	Total/NA

Client Sample ID: LLI01-63NW-0602-SSXX

Lab Sample ID: 240-13670-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	710	J	980	290	ug/Kg	1	☼	6010B	Total/NA
Copper	25000		2500	730	ug/Kg	1	☼	6010B	Total/NA
Iron	6400000	B	9800	4800	ug/Kg	1	☼	6010B	Total/NA
Lead	1500	B	290	190	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-63NW-0205-SSXX

Lab Sample ID: 240-13670-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
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Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Client Sample ID: LLI01-63NW-0205-SSXX (Continued)

Lab Sample ID: 240-13670-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	1300		820	250	ug/Kg	1	☼	6010B	Total/NA
Copper	42000		2100	610	ug/Kg	1	☼	6010B	Total/NA
Iron	9200000	B	8200	4000	ug/Kg	1	☼	6010B	Total/NA
Lead	1600	B	250	160	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-63SE-0006-SSXX

Lab Sample ID: 240-13670-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	540	J B	1000	390	ug/Kg	1	☼	6010B	Total/NA
Arsenic	6400		1000	300	ug/Kg	1	☼	6010B	Total/NA
Copper	4300000		2500	740	ug/Kg	1	☼	6010B	Total/NA
Iron	14000000	B	10000	4900	ug/Kg	1	☼	6010B	Total/NA
Lead	56000	B	300	190	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-63SE-0602-SSXX

Lab Sample ID: 240-13670-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	570	J B	820	320	ug/Kg	1	☼	6010B	Total/NA
Arsenic	3500		820	250	ug/Kg	1	☼	6010B	Total/NA
Copper	22000000		21000	6100	ug/Kg	10	☼	6010B	Total/NA
Iron	7400000	B	8200	4000	ug/Kg	1	☼	6010B	Total/NA
Lead	2200	J B	2500	1600	ug/Kg	10	☼	6010B	Total/NA

Client Sample ID: LLI01-63SE-0205-SSXX

Lab Sample ID: 240-13670-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2500		1200	370	ug/Kg	1	☼	6010B	Total/NA
Copper	35000		3100	910	ug/Kg	1	☼	6010B	Total/NA
Iron	24000000	B	12000	6100	ug/Kg	1	☼	6010B	Total/NA
Lead	3600	B	370	230	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-63NE-0006-SSXX

Lab Sample ID: 240-13670-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	2600	B	1000	390	ug/Kg	1	☼	6010B	Total/NA
Arsenic	8200		1000	300	ug/Kg	1	☼	6010B	Total/NA
Copper	9600000		13000	3700	ug/Kg	5	☼	6010B	Total/NA
Iron	20000000	B	10000	4900	ug/Kg	1	☼	6010B	Total/NA
Lead	170000	B	1500	950	ug/Kg	5	☼	6010B	Total/NA

Client Sample ID: LLI01-63NE-0602-SSXX

Lab Sample ID: 240-13670-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	1900		990	300	ug/Kg	1	☼	6010B	Total/NA
Copper	1200000		2500	730	ug/Kg	1	☼	6010B	Total/NA
Iron	9700000	B	9900	4800	ug/Kg	1	☼	6010B	Total/NA
Lead	13000	B	300	190	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-63NE-0205-SSXX

Lab Sample ID: 240-13670-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	1200		910	270	ug/Kg	1	☼	6010B	Total/NA
Copper	7000		2300	670	ug/Kg	1	☼	6010B	Total/NA

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Client Sample ID: LLI01-63NE-0205-SSXX (Continued)

Lab Sample ID: 240-13670-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	4900000	B	9100	4400	ug/Kg	1	✱	6010B	Total/NA
Lead	650	B	270	170	ug/Kg	1	✱	6010B	Total/NA

Client Sample ID: LLI01-62SE-0006-SSXX

Lab Sample ID: 240-13670-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	5100		1100	330	ug/Kg	1	✱	6010B	Total/NA
Copper	300000		2800	810	ug/Kg	1	✱	6010B	Total/NA
Iron	9500000		11000	5400	ug/Kg	1	✱	6010B	Total/NA
Lead	7700		330	210	ug/Kg	1	✱	6010B	Total/NA

Client Sample ID: LLI01-62SE-0602-SSXX

Lab Sample ID: 240-13670-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2500		1100	330	ug/Kg	1	✱	6010B	Total/NA
Copper	910000		2700	810	ug/Kg	1	✱	6010B	Total/NA
Iron	12000000		11000	5300	ug/Kg	1	✱	6010B	Total/NA
Lead	4300		330	210	ug/Kg	1	✱	6010B	Total/NA

Client Sample ID: LLI01-62SE-0205-SSXX

Lab Sample ID: 240-13670-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2200		1200	350	ug/Kg	1	✱	6010B	Total/NA
Copper	900000		2900	850	ug/Kg	1	✱	6010B	Total/NA
Iron	13000000		12000	5600	ug/Kg	1	✱	6010B	Total/NA
Lead	5000		350	220	ug/Kg	1	✱	6010B	Total/NA

Client Sample ID: LLI01-53NE-0006-SSXX

Lab Sample ID: 240-13670-34

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	1000		1000	400	ug/Kg	1	✱	6010B	Total/NA
Arsenic	6200		1000	310	ug/Kg	1	✱	6010B	Total/NA
Copper	1400000		2600	760	ug/Kg	1	✱	6010B	Total/NA
Iron	11000000		10000	5000	ug/Kg	1	✱	6010B	Total/NA
Lead	27000		310	190	ug/Kg	1	✱	6010B	Total/NA

Client Sample ID: LLI01-53NE-0602-SSXX

Lab Sample ID: 240-13670-35

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	1900		1300	380	ug/Kg	1	✱	6010B	Total/NA
Copper	610000		3200	950	ug/Kg	1	✱	6010B	Total/NA
Iron	10000000		13000	6300	ug/Kg	1	✱	6010B	Total/NA
Lead	8500		380	240	ug/Kg	1	✱	6010B	Total/NA

Client Sample ID: LLI01-53NE-0205-SSXX

Lab Sample ID: 240-13670-36

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	1500		1100	330	ug/Kg	1	✱	6010B	Total/NA
Copper	15000		2700	810	ug/Kg	1	✱	6010B	Total/NA
Iron	9800000		11000	5400	ug/Kg	1	✱	6010B	Total/NA
Lead	1600		330	210	ug/Kg	1	✱	6010B	Total/NA

Client Sample ID: LLI01-53SE-0006-SSXX

Lab Sample ID: 240-13670-37

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	1500		1100	330	ug/Kg	1	✱	6010B	Total/NA
Copper	15000		2700	810	ug/Kg	1	✱	6010B	Total/NA
Iron	9800000		11000	5400	ug/Kg	1	✱	6010B	Total/NA
Lead	1600		330	210	ug/Kg	1	✱	6010B	Total/NA

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Client Sample ID: LLI01-53SE-0006-SSXX (Continued)

Lab Sample ID: 240-13670-37

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	1800		990	390	ug/Kg	1	✱	6010B	Total/NA
Arsenic	4300		990	300	ug/Kg	1	✱	6010B	Total/NA
Copper	3100000		2500	730	ug/Kg	1	✱	6010B	Total/NA
Iron	25000000		9900	4800	ug/Kg	1	✱	6010B	Total/NA
Lead	36000		1500	940	ug/Kg	5	✱	6010B	Total/NA

Client Sample ID: LLI01-53SE-0602-SSXX

Lab Sample ID: 240-13670-38

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	7200		1000	300	ug/Kg	1	✱	6010B	Total/NA
Copper	550000		2500	740	ug/Kg	1	✱	6010B	Total/NA
Iron	7800000		10000	4900	ug/Kg	1	✱	6010B	Total/NA
Lead	14000		300	190	ug/Kg	1	✱	6010B	Total/NA

Client Sample ID: LLI01-53SE-0205-SSXX

Lab Sample ID: 240-13670-39

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2300		1600	490	ug/Kg	1	✱	6010B	Total/NA
Copper	500000		4100	1200	ug/Kg	1	✱	6010B	Total/NA
Iron	12000000		16000	8000	ug/Kg	1	✱	6010B	Total/NA
Lead	9000		490	310	ug/Kg	1	✱	6010B	Total/NA

Client Sample ID: LLI01-53SW-0006-SSXX

Lab Sample ID: 240-13670-40

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	3900		910	360	ug/Kg	1	✱	6010B	Total/NA
Arsenic	6300		910	270	ug/Kg	1	✱	6010B	Total/NA
Copper	5400000		11000	3400	ug/Kg	5	✱	6010B	Total/NA
Iron	11000000		9100	4500	ug/Kg	1	✱	6010B	Total/NA
Lead	95000		1400	870	ug/Kg	5	✱	6010B	Total/NA

Client Sample ID: LLI01-53SW-0602-SSXX

Lab Sample ID: 240-13670-41

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	6200		1000	400	ug/Kg	1	✱	6010B	Total/NA
Arsenic	5900		1000	310	ug/Kg	1	✱	6010B	Total/NA
Copper	9100000		13000	3800	ug/Kg	5	✱	6010B	Total/NA
Iron	16000000		10000	5100	ug/Kg	1	✱	6010B	Total/NA
Lead	100000		1500	980	ug/Kg	5	✱	6010B	Total/NA

Client Sample ID: LLI01-53SW-0205-SSXX

Lab Sample ID: 240-13670-42

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	9200		4700	1800	ug/Kg	5	✱	6010B	Total/NA
Arsenic	12000		4700	1400	ug/Kg	5	✱	6010B	Total/NA
Copper	11000000		12000	3400	ug/Kg	5	✱	6010B	Total/NA
Iron	75000000		47000	23000	ug/Kg	5	✱	6010B	Total/NA
Lead	420000		1400	880	ug/Kg	5	✱	6010B	Total/NA

Client Sample ID: LLI01-DP29-XXXX-SSFD

Lab Sample ID: 240-13670-45

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	1900		1200	350	ug/Kg	1	✱	6010B	Total/NA

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Client Sample ID: LLI01-DP29-XXXX-SSFD (Continued)

Lab Sample ID: 240-13670-45

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	350000		3000	880	ug/Kg	1	☼	6010B	Total/NA
Iron	11000000		12000	5800	ug/Kg	1	☼	6010B	Total/NA
Lead	3400		350	220	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-DP30-XXXX-SSFD

Lab Sample ID: 240-13670-46

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	730	J	940	280	ug/Kg	1	☼	6010B	Total/NA
Copper	64000		2300	690	ug/Kg	1	☼	6010B	Total/NA
Iron	4900000		9400	4600	ug/Kg	1	☼	6010B	Total/NA
Lead	2100		280	180	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-DP31-XXXX-SSFD

Lab Sample ID: 240-13670-47

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	28000		1100	340	ug/Kg	1	☼	6010B	Total/NA
Copper	320000		2800	840	ug/Kg	1	☼	6010B	Total/NA
Iron	35000000		11000	5500	ug/Kg	1	☼	6010B	Total/NA
Lead	24000		340	220	ug/Kg	1	☼	6010B	Total/NA

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Client Sample ID: LLI01-44SE-0006-SSXX

Lab Sample ID: 240-13670-1

Date Collected: 07/29/12 07:00

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 86.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1300		950	370	ug/Kg	☼	08/03/12 09:56	08/08/12 23:42	1
Arsenic	17000		950	290	ug/Kg	☼	08/03/12 09:56	08/08/12 23:42	1
Copper	9300000		12000	3500	ug/Kg	☼	08/03/12 09:56	08/09/12 14:37	5
Iron	26000000	B	9500	4700	ug/Kg	☼	08/03/12 09:56	08/08/12 23:42	1
Lead	66000		1400	900	ug/Kg	☼	08/03/12 09:56	08/09/12 14:37	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Client Sample ID: LLI01-44SE-0602-SSXX

Lab Sample ID: 240-13670-2

Date Collected: 07/29/12 07:01

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 86.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1000	U	1000	410	ug/Kg	☼	08/03/12 09:56	08/08/12 23:48	1
Arsenic	4100		1000	310	ug/Kg	☼	08/03/12 09:56	08/08/12 23:48	1
Copper	1600000		2600	780	ug/Kg	☼	08/03/12 09:56	08/08/12 23:48	1
Iron	10000000	B	10000	5100	ug/Kg	☼	08/03/12 09:56	08/08/12 23:48	1
Lead	18000		310	200	ug/Kg	☼	08/03/12 09:56	08/08/12 23:48	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Client Sample ID: LLI01-44SE-0205-SSXX

Lab Sample ID: 240-13670-3

Date Collected: 07/29/12 07:02

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 84.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	670	J	880	340	ug/Kg	☼	08/03/12 09:56	08/08/12 23:53	1
Arsenic	7200		880	260	ug/Kg	☼	08/03/12 09:56	08/08/12 23:53	1
Copper	6100000		11000	3200	ug/Kg	☼	08/03/12 09:56	08/09/12 14:43	5
Iron	15000000	B	8800	4300	ug/Kg	☼	08/03/12 09:56	08/08/12 23:53	1
Lead	760000		1300	830	ug/Kg	☼	08/03/12 09:56	08/09/12 14:43	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Client Sample ID: LLI01-44NE-0006-SSXX

Lab Sample ID: 240-13670-4

Date Collected: 07/29/12 07:10

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 89.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	740	J	850	330	ug/Kg	☼	08/03/12 09:56	08/08/12 23:59	1
Arsenic	3200		850	260	ug/Kg	☼	08/03/12 09:56	08/08/12 23:59	1
Copper	12000000		11000	3200	ug/Kg	☼	08/03/12 09:56	08/09/12 14:48	5
Iron	19000000	B	8500	4200	ug/Kg	☼	08/03/12 09:56	08/08/12 23:59	1
Lead	15000		1300	810	ug/Kg	☼	08/03/12 09:56	08/09/12 14:48	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Client Sample ID: LLI01-44NE-0602-SSXX

Lab Sample ID: 240-13670-5

Date Collected: 07/29/12 07:11

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 89.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	900	J B	1000	400	ug/Kg	☼	08/03/12 10:32	08/09/12 03:52	1
Arsenic	7500		1000	310	ug/Kg	☼	08/03/12 10:32	08/09/12 03:52	1
Copper	4000000		2600	760	ug/Kg	☼	08/03/12 10:32	08/09/12 03:52	1
Iron	11000000	B	10000	5000	ug/Kg	☼	08/03/12 10:32	08/09/12 03:52	1
Lead	18000	B	310	190	ug/Kg	☼	08/03/12 10:32	08/09/12 03:52	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Client Sample ID: LLI01-44NE-0205-SSXX

Lab Sample ID: 240-13670-6

Date Collected: 07/29/12 07:12

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 85.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	920	U	920	360	ug/Kg	☼	08/03/12 10:32	08/09/12 03:58	1
Arsenic	4200		920	280	ug/Kg	☼	08/03/12 10:32	08/09/12 03:58	1
Copper	2800000		2300	680	ug/Kg	☼	08/03/12 10:32	08/09/12 03:58	1
Iron	9700000	B	9200	4500	ug/Kg	☼	08/03/12 10:32	08/09/12 03:58	1
Lead	36000	B	280	180	ug/Kg	☼	08/03/12 10:32	08/09/12 03:58	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Client Sample ID: LLI01-44NW-0006-SSXX

Lab Sample ID: 240-13670-7

Date Collected: 07/29/12 07:17

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 86.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2100	B	990	390	ug/Kg	☼	08/03/12 10:32	08/09/12 04:15	1
Arsenic	50000		990	300	ug/Kg	☼	08/03/12 10:32	08/09/12 04:15	1
Copper	130000000		250000	73000	ug/Kg	☼	08/03/12 10:32	08/09/12 13:35	100
Iron	18000000	B	9900	4800	ug/Kg	☼	08/03/12 10:32	08/09/12 04:15	1
Lead	200000	B	30000	19000	ug/Kg	☼	08/03/12 10:32	08/09/12 13:35	100

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Client Sample ID: LLI01-44NW-0602-SSXX

Lab Sample ID: 240-13670-8

Date Collected: 07/29/12 07:18

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 82.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	690	J B	820	320	ug/Kg	☼	08/03/12 10:32	08/09/12 04:20	1
Arsenic	5100		820	250	ug/Kg	☼	08/03/12 10:32	08/09/12 04:20	1
Copper	11000000		10000	3000	ug/Kg	☼	08/03/12 10:32	08/09/12 13:40	5
Iron	12000000	B	8200	4000	ug/Kg	☼	08/03/12 10:32	08/09/12 04:20	1
Lead	65000	B	1200	780	ug/Kg	☼	08/03/12 10:32	08/09/12 13:40	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Client Sample ID: LLI01-44NW-0205-SSXX

Lab Sample ID: 240-13670-9

Date Collected: 07/29/12 07:19

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 74.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1200	U	1200	480	ug/Kg	☼	08/03/12 10:32	08/09/12 04:26	1
Arsenic	1700		1200	370	ug/Kg	☼	08/03/12 10:32	08/09/12 04:26	1
Copper	180000		3100	920	ug/Kg	☼	08/03/12 10:32	08/09/12 04:26	1
Iron	9900000	B	12000	6100	ug/Kg	☼	08/03/12 10:32	08/09/12 04:26	1
Lead	2400	B	370	240	ug/Kg	☼	08/03/12 10:32	08/09/12 04:26	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Client Sample ID: LLI01-44SW-0006-SSXX

Lab Sample ID: 240-13670-10

Date Collected: 07/29/12 07:27

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 87.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2800	B	1000	400	ug/Kg	☼	08/03/12 10:32	08/09/12 04:32	1
Arsenic	54000		1000	310	ug/Kg	☼	08/03/12 10:32	08/09/12 04:32	1
Copper	120000000		260000	76000	ug/Kg	☼	08/03/12 10:32	08/09/12 13:46	100
Iron	29000000	B	10000	5000	ug/Kg	☼	08/03/12 10:32	08/09/12 04:32	1
Lead	310000	B	31000	20000	ug/Kg	☼	08/03/12 10:32	08/09/12 13:46	100

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Client Sample ID: LLI01-44SW-0602-SSXX

Lab Sample ID: 240-13670-11

Date Collected: 07/29/12 07:28

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 86.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	480	J B	1100	430	ug/Kg	☼	08/03/12 10:32	08/09/12 04:38	1
Arsenic	6700		1100	330	ug/Kg	☼	08/03/12 10:32	08/09/12 04:38	1
Copper	510000		2800	820	ug/Kg	☼	08/03/12 10:32	08/09/12 04:38	1
Iron	16000000	B	11000	5500	ug/Kg	☼	08/03/12 10:32	08/09/12 04:38	1
Lead	6300	B	330	210	ug/Kg	☼	08/03/12 10:32	08/09/12 04:38	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Client Sample ID: LLI01-44SW-0205-SSXX

Lab Sample ID: 240-13670-12

Date Collected: 07/29/12 07:29

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 82.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	750	J B	1100	420	ug/Kg	☼	08/03/12 10:32	08/09/12 04:44	1
Arsenic	6400		1100	320	ug/Kg	☼	08/03/12 10:32	08/09/12 04:44	1
Copper	970000		2700	800	ug/Kg	☼	08/03/12 10:32	08/09/12 04:44	1
Iron	12000000	B	11000	5300	ug/Kg	☼	08/03/12 10:32	08/09/12 04:44	1
Lead	25000	B	320	210	ug/Kg	☼	08/03/12 10:32	08/09/12 04:44	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Client Sample ID: LLI01-44XX-0006-SSWC

Lab Sample ID: 240-13670-13

Date Collected: 07/29/12 07:35

Matrix: Solid

Date Received: 07/31/12 09:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	10	U	10	0.0030	mg/Kg		08/02/12 16:20	08/03/12 01:33	1
Sulfide, Reactive	4.0	J B	10	0.57	mg/Kg		08/02/12 16:20	08/03/12 23:10	1
pH	7.40		0.100	0.100	SU			08/02/12 11:52	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Client Sample ID: LLI01-44XX-0602-SSWC

Lab Sample ID: 240-13670-14

Date Collected: 07/29/12 07:40

Matrix: Solid

Date Received: 07/31/12 09:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	10	U	10	0.0030	mg/Kg		08/02/12 16:20	08/03/12 01:33	1
Sulfide, Reactive	6.0	J B	10	0.57	mg/Kg		08/02/12 16:20	08/03/12 23:10	1
pH	7.55		0.100	0.100	SU			08/02/12 12:16	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Client Sample ID: LLI01-63SW-0006-SSXX

Lab Sample ID: 240-13670-15

Date Collected: 07/29/12 07:53

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 87.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	690	J B	1000	400	ug/Kg	☼	08/03/12 10:32	08/09/12 04:50	1
Arsenic	13000		1000	300	ug/Kg	☼	08/03/12 10:32	08/09/12 04:50	1
Copper	2700000		2500	750	ug/Kg	☼	08/03/12 10:32	08/09/12 04:50	1
Iron	20000000	B	10000	5000	ug/Kg	☼	08/03/12 10:32	08/09/12 04:50	1
Lead	70000	B	300	190	ug/Kg	☼	08/03/12 10:32	08/09/12 04:50	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Client Sample ID: LLI01-63SW-0602-SSXX

Lab Sample ID: 240-13670-16

Date Collected: 07/29/12 07:54

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 87.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1000	U	1000	390	ug/Kg	☼	08/03/12 10:32	08/09/12 04:55	1
Arsenic	1600		1000	300	ug/Kg	☼	08/03/12 10:32	08/09/12 04:55	1
Copper	520000		2500	740	ug/Kg	☼	08/03/12 10:32	08/09/12 04:55	1
Iron	12000000	B	10000	4900	ug/Kg	☼	08/03/12 10:32	08/09/12 04:55	1
Lead	2800	B	300	190	ug/Kg	☼	08/03/12 10:32	08/09/12 04:55	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Client Sample ID: LLI01-63SW-0205-SSXX

Lab Sample ID: 240-13670-17

Date Collected: 07/29/12 07:55

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 84.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1100	U	1100	450	ug/Kg	☼	08/03/12 10:32	08/09/12 05:01	1
Arsenic	1800		1100	340	ug/Kg	☼	08/03/12 10:32	08/09/12 05:01	1
Copper	1100000		2900	850	ug/Kg	☼	08/03/12 10:32	08/09/12 05:01	1
Iron	13000000	B	11000	5600	ug/Kg	☼	08/03/12 10:32	08/09/12 05:01	1
Lead	3400	B	340	220	ug/Kg	☼	08/03/12 10:32	08/09/12 05:01	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Client Sample ID: LLI01-63NW-0006-SSXX

Lab Sample ID: 240-13670-18

Date Collected: 07/29/12 08:02

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 88.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	540	J B	920	360	ug/Kg	☼	08/03/12 10:32	08/09/12 05:08	1
Arsenic	5100		920	280	ug/Kg	☼	08/03/12 10:32	08/09/12 05:08	1
Copper	5200000		12000	3400	ug/Kg	☼	08/03/12 10:32	08/09/12 13:52	5
Iron	12000000	B	9200	4500	ug/Kg	☼	08/03/12 10:32	08/09/12 05:08	1
Lead	37000	B	1400	880	ug/Kg	☼	08/03/12 10:32	08/09/12 13:52	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Client Sample ID: LLI01-63NW-0602-SSXX

Lab Sample ID: 240-13670-19

Date Collected: 07/29/12 08:03

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 90.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	980	U	980	380	ug/Kg	☼	08/03/12 10:32	08/09/12 05:25	1
Arsenic	710	J	980	290	ug/Kg	☼	08/03/12 10:32	08/09/12 05:25	1
Copper	25000		2500	730	ug/Kg	☼	08/03/12 10:32	08/09/12 05:25	1
Iron	6400000	B	9800	4800	ug/Kg	☼	08/03/12 10:32	08/09/12 05:25	1
Lead	1500	B	290	190	ug/Kg	☼	08/03/12 10:32	08/09/12 05:25	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Client Sample ID: LLI01-63NW-0205-SSXX

Lab Sample ID: 240-13670-20

Date Collected: 07/29/12 08:04

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 92.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	820	U	820	320	ug/Kg	☼	08/03/12 10:32	08/09/12 05:30	1
Arsenic	1300		820	250	ug/Kg	☼	08/03/12 10:32	08/09/12 05:30	1
Copper	42000		2100	610	ug/Kg	☼	08/03/12 10:32	08/09/12 05:30	1
Iron	9200000	B	8200	4000	ug/Kg	☼	08/03/12 10:32	08/09/12 05:30	1
Lead	1600	B	250	160	ug/Kg	☼	08/03/12 10:32	08/09/12 05:30	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Client Sample ID: LLI01-63SE-0006-SSXX

Lab Sample ID: 240-13670-21

Date Collected: 07/29/12 08:15

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 87.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	540	J B	1000	390	ug/Kg	☼	08/03/12 10:32	08/09/12 05:36	1
Arsenic	6400		1000	300	ug/Kg	☼	08/03/12 10:32	08/09/12 05:36	1
Copper	4300000		2500	740	ug/Kg	☼	08/03/12 10:32	08/09/12 05:36	1
Iron	14000000	B	10000	4900	ug/Kg	☼	08/03/12 10:32	08/09/12 05:36	1
Lead	56000	B	300	190	ug/Kg	☼	08/03/12 10:32	08/09/12 05:36	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Client Sample ID: LLI01-63SE-0602-SSXX

Lab Sample ID: 240-13670-22

Date Collected: 07/29/12 08:16

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 94.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	570	J B	820	320	ug/Kg	☼	08/03/12 10:32	08/09/12 05:42	1
Arsenic	3500		820	250	ug/Kg	☼	08/03/12 10:32	08/09/12 05:42	1
Copper	22000000		21000	6100	ug/Kg	☼	08/03/12 10:32	08/09/12 13:57	10
Iron	7400000	B	8200	4000	ug/Kg	☼	08/03/12 10:32	08/09/12 05:42	1
Lead	2200	J B	2500	1600	ug/Kg	☼	08/03/12 10:32	08/09/12 13:57	10

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Client Sample ID: LLI01-63SE-0205-SSXX

Lab Sample ID: 240-13670-23

Date Collected: 07/29/12 08:17

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 77.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1200	U	1200	480	ug/Kg	☼	08/03/12 10:32	08/09/12 03:29	1
Arsenic	2500		1200	370	ug/Kg	☼	08/03/12 10:32	08/09/12 03:29	1
Copper	35000		3100	910	ug/Kg	☼	08/03/12 10:32	08/09/12 03:29	1
Iron	24000000	B	12000	6100	ug/Kg	☼	08/03/12 10:32	08/09/12 03:29	1
Lead	3600	B	370	230	ug/Kg	☼	08/03/12 10:32	08/09/12 03:29	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Client Sample ID: LLI01-63NE-0006-SSXX

Lab Sample ID: 240-13670-24

Date Collected: 07/29/12 08:25

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 87.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2600	B	1000	390	ug/Kg	☼	08/03/12 10:32	08/09/12 05:47	1
Arsenic	8200		1000	300	ug/Kg	☼	08/03/12 10:32	08/09/12 05:47	1
Copper	9600000		13000	3700	ug/Kg	☼	08/03/12 10:32	08/09/12 14:03	5
Iron	20000000	B	10000	4900	ug/Kg	☼	08/03/12 10:32	08/09/12 05:47	1
Lead	170000	B	1500	950	ug/Kg	☼	08/03/12 10:32	08/09/12 14:03	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Client Sample ID: LLI01-63NE-0602-SSXX

Lab Sample ID: 240-13670-25

Date Collected: 07/29/12 08:26

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 85.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	990	U	990	390	ug/Kg	☼	08/03/12 10:32	08/09/12 05:53	1
Arsenic	1900		990	300	ug/Kg	☼	08/03/12 10:32	08/09/12 05:53	1
Copper	1200000		2500	730	ug/Kg	☼	08/03/12 10:32	08/09/12 05:53	1
Iron	9700000	B	9900	4800	ug/Kg	☼	08/03/12 10:32	08/09/12 05:53	1
Lead	13000	B	300	190	ug/Kg	☼	08/03/12 10:32	08/09/12 05:53	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Client Sample ID: LLI01-63NE-0205-SSXX

Lab Sample ID: 240-13670-26

Date Collected: 07/29/12 08:27

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 94.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	910	U	910	350	ug/Kg	☼	08/03/12 10:32	08/09/12 05:59	1
Arsenic	1200		910	270	ug/Kg	☼	08/03/12 10:32	08/09/12 05:59	1
Copper	7000		2300	670	ug/Kg	☼	08/03/12 10:32	08/09/12 05:59	1
Iron	4900000	B	9100	4400	ug/Kg	☼	08/03/12 10:32	08/09/12 05:59	1
Lead	650	B	270	170	ug/Kg	☼	08/03/12 10:32	08/09/12 05:59	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Client Sample ID: LLI01-62SE-0006-SSXX

Lab Sample ID: 240-13670-29

Date Collected: 07/29/12 08:44

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 69.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1100	U	1100	430	ug/Kg	☼	08/07/12 11:45	08/10/12 02:49	1
Arsenic	5100		1100	330	ug/Kg	☼	08/07/12 11:45	08/10/12 02:49	1
Copper	300000		2800	810	ug/Kg	☼	08/07/12 11:45	08/10/12 02:49	1
Iron	9500000		11000	5400	ug/Kg	☼	08/07/12 11:45	08/10/12 02:49	1
Lead	7700		330	210	ug/Kg	☼	08/07/12 11:45	08/10/12 02:49	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Client Sample ID: LLI01-62SE-0602-SSXX

Lab Sample ID: 240-13670-30

Date Collected: 07/29/12 08:45

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 88.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1100	U	1100	430	ug/Kg	☼	08/07/12 11:45	08/10/12 03:06	1
Arsenic	2500		1100	330	ug/Kg	☼	08/07/12 11:45	08/10/12 03:06	1
Copper	910000		2700	810	ug/Kg	☼	08/07/12 11:45	08/10/12 03:06	1
Iron	12000000		11000	5300	ug/Kg	☼	08/07/12 11:45	08/10/12 03:06	1
Lead	4300		330	210	ug/Kg	☼	08/07/12 11:45	08/10/12 03:06	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Client Sample ID: LLI01-62SE-0205-SSXX

Lab Sample ID: 240-13670-31

Date Collected: 07/29/12 08:46

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 85.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1200	U	1200	450	ug/Kg	☼	08/07/12 11:45	08/10/12 03:11	1
Arsenic	2200		1200	350	ug/Kg	☼	08/07/12 11:45	08/10/12 03:11	1
Copper	900000		2900	850	ug/Kg	☼	08/07/12 11:45	08/10/12 03:11	1
Iron	13000000		12000	5600	ug/Kg	☼	08/07/12 11:45	08/10/12 03:11	1
Lead	5000		350	220	ug/Kg	☼	08/07/12 11:45	08/10/12 03:11	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Client Sample ID: LLI01-53NE-0006-SSXX

Lab Sample ID: 240-13670-34

Date Collected: 07/29/12 09:50

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 88.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1000		1000	400	ug/Kg	☼	08/07/12 11:45	08/10/12 15:59	1
Arsenic	6200		1000	310	ug/Kg	☼	08/07/12 11:45	08/10/12 03:17	1
Copper	1400000		2600	760	ug/Kg	☼	08/07/12 11:45	08/10/12 03:17	1
Iron	11000000		10000	5000	ug/Kg	☼	08/07/12 11:45	08/10/12 03:17	1
Lead	27000		310	190	ug/Kg	☼	08/07/12 11:45	08/10/12 03:17	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Client Sample ID: LLI01-53NE-0602-SSXX

Lab Sample ID: 240-13670-35

Date Collected: 07/29/12 09:51

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 74.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1300	U	1300	500	ug/Kg	☼	08/07/12 11:45	08/10/12 03:23	1
Arsenic	1900		1300	380	ug/Kg	☼	08/07/12 11:45	08/10/12 03:23	1
Copper	610000		3200	950	ug/Kg	☼	08/07/12 11:45	08/10/12 03:23	1
Iron	10000000		13000	6300	ug/Kg	☼	08/07/12 11:45	08/10/12 03:23	1
Lead	8500		380	240	ug/Kg	☼	08/07/12 11:45	08/10/12 03:23	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Client Sample ID: LLI01-53NE-0205-SSXX

Lab Sample ID: 240-13670-36

Date Collected: 07/29/12 09:52

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 85.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1100	U	1100	430	ug/Kg	☼	08/07/12 11:45	08/10/12 03:28	1
Arsenic	1500		1100	330	ug/Kg	☼	08/07/12 11:45	08/10/12 03:28	1
Copper	15000		2700	810	ug/Kg	☼	08/07/12 11:45	08/10/12 03:28	1
Iron	9800000		11000	5400	ug/Kg	☼	08/07/12 11:45	08/10/12 03:28	1
Lead	1600		330	210	ug/Kg	☼	08/07/12 11:45	08/10/12 03:28	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Client Sample ID: LLI01-53SE-0006-SSXX

Lab Sample ID: 240-13670-37

Date Collected: 07/29/12 09:59

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 91.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1800		990	390	ug/Kg	☼	08/07/12 11:45	08/10/12 16:05	1
Arsenic	4300		990	300	ug/Kg	☼	08/07/12 11:45	08/10/12 16:05	1
Copper	3100000		2500	730	ug/Kg	☼	08/07/12 11:45	08/10/12 03:34	1
Iron	25000000		9900	4800	ug/Kg	☼	08/07/12 11:45	08/10/12 03:34	1
Lead	36000		1500	940	ug/Kg	☼	08/07/12 11:45	08/10/12 16:10	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Client Sample ID: LLI01-53SE-0602-SSXX

Lab Sample ID: 240-13670-38

Date Collected: 07/29/12 10:00

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 82.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1000	U	1000	390	ug/Kg	☼	08/07/12 11:45	08/10/12 03:40	1
Arsenic	7200		1000	300	ug/Kg	☼	08/07/12 11:45	08/10/12 03:40	1
Copper	550000		2500	740	ug/Kg	☼	08/07/12 11:45	08/10/12 03:40	1
Iron	7800000		10000	4900	ug/Kg	☼	08/07/12 11:45	08/10/12 03:40	1
Lead	14000		300	190	ug/Kg	☼	08/07/12 11:45	08/10/12 03:40	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Client Sample ID: LLI01-53SE-0205-SSXX

Lab Sample ID: 240-13670-39

Date Collected: 07/29/12 10:01

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 61.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1600	U	1600	640	ug/Kg	☼	08/07/12 11:45	08/10/12 03:46	1
Arsenic	2300		1600	490	ug/Kg	☼	08/07/12 11:45	08/10/12 03:46	1
Copper	500000		4100	1200	ug/Kg	☼	08/07/12 11:45	08/10/12 03:46	1
Iron	12000000		16000	8000	ug/Kg	☼	08/07/12 11:45	08/10/12 03:46	1
Lead	9000		490	310	ug/Kg	☼	08/07/12 11:45	08/10/12 03:46	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Client Sample ID: LLI01-53SW-0006-SSXX

Lab Sample ID: 240-13670-40

Date Collected: 07/29/12 10:06

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 90.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	3900		910	360	ug/Kg	☼	08/07/12 11:45	08/10/12 03:51	1
Arsenic	6300		910	270	ug/Kg	☼	08/07/12 11:45	08/10/12 03:51	1
Copper	5400000		11000	3400	ug/Kg	☼	08/07/12 11:45	08/10/12 16:16	5
Iron	11000000		9100	4500	ug/Kg	☼	08/07/12 11:45	08/10/12 03:51	1
Lead	95000		1400	870	ug/Kg	☼	08/07/12 11:45	08/10/12 16:16	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Client Sample ID: LLI01-53SW-0602-SSXX

Lab Sample ID: 240-13670-41

Date Collected: 07/29/12 10:07

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 86.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	6200		1000	400	ug/Kg	☼	08/07/12 11:45	08/10/12 03:57	1
Arsenic	5900		1000	310	ug/Kg	☼	08/07/12 11:45	08/10/12 03:57	1
Copper	9100000		13000	3800	ug/Kg	☼	08/07/12 11:45	08/10/12 16:22	5
Iron	16000000		10000	5100	ug/Kg	☼	08/07/12 11:45	08/10/12 03:57	1
Lead	100000		1500	980	ug/Kg	☼	08/07/12 11:45	08/10/12 16:22	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Client Sample ID: LLI01-53SW-0205-SSXX

Lab Sample ID: 240-13670-42

Date Collected: 07/29/12 10:08

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 84.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	9200		4700	1800	ug/Kg	☼	08/07/12 11:45	08/10/12 16:27	5
Arsenic	12000		4700	1400	ug/Kg	☼	08/07/12 11:45	08/10/12 16:27	5
Copper	11000000		12000	3400	ug/Kg	☼	08/07/12 11:45	08/10/12 16:27	5
Iron	75000000		47000	23000	ug/Kg	☼	08/07/12 11:45	08/10/12 16:27	5
Lead	420000		1400	880	ug/Kg	☼	08/07/12 11:45	08/10/12 16:27	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Client Sample ID: LLI01-DP29-XXXX-SSFD

Lab Sample ID: 240-13670-45

Date Collected: 07/29/12 00:00

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 72.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1200	U	1200	460	ug/Kg	☼	08/07/12 11:45	08/10/12 04:20	1
Arsenic	1900		1200	350	ug/Kg	☼	08/07/12 11:45	08/10/12 04:20	1
Copper	350000		3000	880	ug/Kg	☼	08/07/12 11:45	08/10/12 04:20	1
Iron	11000000		12000	5800	ug/Kg	☼	08/07/12 11:45	08/10/12 04:20	1
Lead	3400		350	220	ug/Kg	☼	08/07/12 11:45	08/10/12 04:20	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Client Sample ID: LLI01-DP30-XXXX-SSFD

Lab Sample ID: 240-13670-46

Date Collected: 07/29/12 00:00

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 89.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	940	U	940	370	ug/Kg	☼	08/07/12 11:45	08/10/12 04:25	1
Arsenic	730	J	940	280	ug/Kg	☼	08/07/12 11:45	08/10/12 04:25	1
Copper	64000		2300	690	ug/Kg	☼	08/07/12 11:45	08/10/12 04:25	1
Iron	4900000		9400	4600	ug/Kg	☼	08/07/12 11:45	08/10/12 04:25	1
Lead	2100		280	180	ug/Kg	☼	08/07/12 11:45	08/10/12 04:25	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Client Sample ID: LLI01-DP31-XXXX-SSFD

Lab Sample ID: 240-13670-47

Date Collected: 07/29/12 00:00

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 85.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1100	U	1100	440	ug/Kg	☼	08/07/12 11:45	08/10/12 04:31	1
Arsenic	28000		1100	340	ug/Kg	☼	08/07/12 11:45	08/10/12 04:31	1
Copper	320000		2800	840	ug/Kg	☼	08/07/12 11:45	08/10/12 04:31	1
Iron	35000000		11000	5500	ug/Kg	☼	08/07/12 11:45	08/10/12 04:31	1
Lead	24000		340	220	ug/Kg	☼	08/07/12 11:45	08/10/12 04:31	1

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 240-53131/1-A

Matrix: Solid

Analysis Batch: 53790

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53131

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1000	U	1000	390	ug/Kg		08/03/12 09:56	08/08/12 21:08	1
Arsenic	1000	U	1000	300	ug/Kg		08/03/12 09:56	08/08/12 21:08	1
Copper	2500	U	2500	740	ug/Kg		08/03/12 09:56	08/08/12 21:08	1
Iron	5680	J	10000	4900	ug/Kg		08/03/12 09:56	08/08/12 21:08	1
Lead	300	U	300	190	ug/Kg		08/03/12 09:56	08/08/12 21:08	1

Lab Sample ID: LCS 240-53131/2-A

Matrix: Solid

Analysis Batch: 53790

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53131

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	10000	9230		ug/Kg		92	80 - 120
Arsenic	100000	92200		ug/Kg		92	80 - 120
Copper	100000	96700		ug/Kg		97	80 - 120
Iron	1000000	958000		ug/Kg		96	80 - 120
Lead	100000	95700		ug/Kg		96	80 - 120

Lab Sample ID: MB 240-53143/1-A

Matrix: Solid

Analysis Batch: 53790

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53143

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1000	U	1000	390	ug/Kg		08/03/12 10:32	08/09/12 03:18	1
Arsenic	1000	U	1000	300	ug/Kg		08/03/12 10:32	08/09/12 03:18	1
Copper	2500	U	2500	740	ug/Kg		08/03/12 10:32	08/09/12 03:18	1
Iron	10000	U	10000	4900	ug/Kg		08/03/12 10:32	08/09/12 03:18	1

Lab Sample ID: MB 240-53143/1-A

Matrix: Solid

Analysis Batch: 53790

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53143

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	300	U	300	190	ug/Kg		08/03/12 10:32	08/09/12 06:16	1

Lab Sample ID: LCS 240-53143/2-A

Matrix: Solid

Analysis Batch: 53790

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53143

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	10000	9510		ug/Kg		95	80 - 120
Arsenic	100000	92400		ug/Kg		92	80 - 120
Copper	100000	97100		ug/Kg		97	80 - 120
Iron	1000000	995000		ug/Kg		99	80 - 120
Lead	100000	96500		ug/Kg		97	80 - 120

Lab Sample ID: 240-13670-23 MS

Matrix: Solid

Analysis Batch: 53790

Client Sample ID: LLI01-63SE-0205-SSXX

Prep Type: Total/NA

Prep Batch: 53143

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	1200	U	11900	3600	F	ug/Kg	☼	30	75 - 125

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

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

Lab Sample ID: 240-13670-23 MS

Matrix: Solid

Analysis Batch: 53790

Client Sample ID: LLI01-63SE-0205-SSXX

Prep Type: Total/NA

Prep Batch: 53143

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	2500		119000	103000		ug/Kg	✱	85	75 - 125
Copper	35000		119000	142000		ug/Kg	✱	89	75 - 125
Iron	24000000	B	1190000	21100000	4	ug/Kg	✱	-212	75 - 125
Lead	3600	B	119000	109000		ug/Kg	✱	88	75 - 125

Lab Sample ID: 240-13670-23 MSD

Matrix: Solid

Analysis Batch: 53790

Client Sample ID: LLI01-63SE-0205-SSXX

Prep Type: Total/NA

Prep Batch: 53143

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	1200	U	11900	4190	F	ug/Kg	✱	35	75 - 125	15	20
Arsenic	2500		119000	104000		ug/Kg	✱	85	75 - 125	1	20
Copper	35000		119000	145000		ug/Kg	✱	92	75 - 125	2	20
Iron	24000000	B	1190000	22500000	4	ug/Kg	✱	-94	75 - 125	6	20
Lead	3600	B	119000	109000		ug/Kg	✱	88	75 - 125	0	20

Lab Sample ID: MB 240-53534/1-A

Matrix: Solid

Analysis Batch: 53842

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53534

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1000	U	1000	390	ug/Kg		08/07/12 11:45	08/10/12 02:15	1
Arsenic	1000	U	1000	300	ug/Kg		08/07/12 11:45	08/10/12 02:15	1
Copper	2500	U	2500	740	ug/Kg		08/07/12 11:45	08/10/12 02:15	1
Iron	10000	U	10000	4900	ug/Kg		08/07/12 11:45	08/10/12 02:15	1
Lead	300	U	300	190	ug/Kg		08/07/12 11:45	08/10/12 02:15	1

Lab Sample ID: LCS 240-53534/2-A

Matrix: Solid

Analysis Batch: 53842

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53534

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50000	47300		ug/Kg		95	80 - 120
Arsenic	200000	189000		ug/Kg		94	80 - 120
Copper	25000	25700		ug/Kg		103	80 - 120
Iron	100000	103000		ug/Kg		103	80 - 120
Lead	50000	48400		ug/Kg		97	80 - 120

Method: 9012 - Cyanide, Reactive

Lab Sample ID: MB 480-74970/2-A

Matrix: Solid

Analysis Batch: 74978

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 74970

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	10	U	10	0.0030	mg/Kg		08/02/12 16:20	08/03/12 01:33	1

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Method: 9012 - Cyanide, Reactive (Continued)

Lab Sample ID: LCS 480-74970/1-A

Matrix: Solid

Analysis Batch: 74978

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 74970

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Reactive	1000	339		mg/Kg		34	10 - 100

Method: 9034 - Sulfide, Reactive

Lab Sample ID: MB 480-74972/2-A

Matrix: Solid

Analysis Batch: 75148

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 74972

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	2.00	J	10	0.57	mg/Kg		08/02/12 16:20	08/03/12 23:10	1

Lab Sample ID: LCS 480-74972/1-A

Matrix: Solid

Analysis Batch: 75148

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 74972

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide, Reactive	1000	651		mg/Kg		65	10 - 100

Method: 9045C - pH

Lab Sample ID: LCS 240-52980/5

Matrix: Solid

Analysis Batch: 52980

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
pH	7.49	7.480		SU		100	97 - 103

Lab Sample ID: 240-13670-13 DU

Matrix: Solid

Analysis Batch: 52980

Client Sample ID: LLI01-44XX-0006-SSWC

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	7.40		7.530		SU		2	20

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Metals

Prep Batch: 53131

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13670-1	LLI01-44SE-0006-SSXX	Total/NA	Solid	3050B	
240-13670-2	LLI01-44SE-0602-SSXX	Total/NA	Solid	3050B	
240-13670-3	LLI01-44SE-0205-SSXX	Total/NA	Solid	3050B	
240-13670-4	LLI01-44NE-0006-SSXX	Total/NA	Solid	3050B	
LCS 240-53131/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 240-53131/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 53143

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13670-5	LLI01-44NE-0602-SSXX	Total/NA	Solid	3050B	
240-13670-6	LLI01-44NE-0205-SSXX	Total/NA	Solid	3050B	
240-13670-7	LLI01-44NW-0006-SSXX	Total/NA	Solid	3050B	
240-13670-8	LLI01-44NW-0602-SSXX	Total/NA	Solid	3050B	
240-13670-9	LLI01-44NW-0205-SSXX	Total/NA	Solid	3050B	
240-13670-10	LLI01-44SW-0006-SSXX	Total/NA	Solid	3050B	
240-13670-11	LLI01-44SW-0602-SSXX	Total/NA	Solid	3050B	
240-13670-12	LLI01-44SW-0205-SSXX	Total/NA	Solid	3050B	
240-13670-15	LLI01-63SW-0006-SSXX	Total/NA	Solid	3050B	
240-13670-16	LLI01-63SW-0602-SSXX	Total/NA	Solid	3050B	
240-13670-17	LLI01-63SW-0205-SSXX	Total/NA	Solid	3050B	
240-13670-18	LLI01-63NW-0006-SSXX	Total/NA	Solid	3050B	
240-13670-19	LLI01-63NW-0602-SSXX	Total/NA	Solid	3050B	
240-13670-20	LLI01-63NW-0205-SSXX	Total/NA	Solid	3050B	
240-13670-21	LLI01-63SE-0006-SSXX	Total/NA	Solid	3050B	
240-13670-22	LLI01-63SE-0602-SSXX	Total/NA	Solid	3050B	
240-13670-23	LLI01-63SE-0205-SSXX	Total/NA	Solid	3050B	
240-13670-23 MS	LLI01-63SE-0205-SSXX	Total/NA	Solid	3050B	
240-13670-23 MSD	LLI01-63SE-0205-SSXX	Total/NA	Solid	3050B	
240-13670-24	LLI01-63NE-0006-SSXX	Total/NA	Solid	3050B	
240-13670-25	LLI01-63NE-0602-SSXX	Total/NA	Solid	3050B	
240-13670-26	LLI01-63NE-0205-SSXX	Total/NA	Solid	3050B	
LCS 240-53143/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 240-53143/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 53534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13670-29	LLI01-62SE-0006-SSXX	Total/NA	Solid	3050B	
240-13670-30	LLI01-62SE-0602-SSXX	Total/NA	Solid	3050B	
240-13670-31	LLI01-62SE-0205-SSXX	Total/NA	Solid	3050B	
240-13670-34	LLI01-53NE-0006-SSXX	Total/NA	Solid	3050B	
240-13670-35	LLI01-53NE-0602-SSXX	Total/NA	Solid	3050B	
240-13670-36	LLI01-53NE-0205-SSXX	Total/NA	Solid	3050B	
240-13670-37	LLI01-53SE-0006-SSXX	Total/NA	Solid	3050B	
240-13670-38	LLI01-53SE-0602-SSXX	Total/NA	Solid	3050B	
240-13670-39	LLI01-53SE-0205-SSXX	Total/NA	Solid	3050B	
240-13670-40	LLI01-53SW-0006-SSXX	Total/NA	Solid	3050B	
240-13670-41	LLI01-53SW-0602-SSXX	Total/NA	Solid	3050B	
240-13670-42	LLI01-53SW-0205-SSXX	Total/NA	Solid	3050B	
240-13670-45	LLI01-DP29-XXXX-SSFD	Total/NA	Solid	3050B	
240-13670-46	LLI01-DP30-XXXX-SSFD	Total/NA	Solid	3050B	
240-13670-47	LLI01-DP31-XXXX-SSFD	Total/NA	Solid	3050B	
LCS 240-53534/2-A	Lab Control Sample	Total/NA	Solid	3050B	

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Metals (Continued)

Prep Batch: 53534 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 240-53534/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 53790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13670-1	LLI01-44SE-0006-SSXX	Total/NA	Solid	6010B	53131
240-13670-2	LLI01-44SE-0602-SSXX	Total/NA	Solid	6010B	53131
240-13670-3	LLI01-44SE-0205-SSXX	Total/NA	Solid	6010B	53131
240-13670-4	LLI01-44NE-0006-SSXX	Total/NA	Solid	6010B	53131
240-13670-5	LLI01-44NE-0602-SSXX	Total/NA	Solid	6010B	53143
240-13670-6	LLI01-44NE-0205-SSXX	Total/NA	Solid	6010B	53143
240-13670-7	LLI01-44NW-0006-SSXX	Total/NA	Solid	6010B	53143
240-13670-8	LLI01-44NW-0602-SSXX	Total/NA	Solid	6010B	53143
240-13670-9	LLI01-44NW-0205-SSXX	Total/NA	Solid	6010B	53143
240-13670-10	LLI01-44SW-0006-SSXX	Total/NA	Solid	6010B	53143
240-13670-11	LLI01-44SW-0602-SSXX	Total/NA	Solid	6010B	53143
240-13670-12	LLI01-44SW-0205-SSXX	Total/NA	Solid	6010B	53143
240-13670-15	LLI01-63SW-0006-SSXX	Total/NA	Solid	6010B	53143
240-13670-16	LLI01-63SW-0602-SSXX	Total/NA	Solid	6010B	53143
240-13670-17	LLI01-63SW-0205-SSXX	Total/NA	Solid	6010B	53143
240-13670-18	LLI01-63NW-0006-SSXX	Total/NA	Solid	6010B	53143
240-13670-19	LLI01-63NW-0602-SSXX	Total/NA	Solid	6010B	53143
240-13670-20	LLI01-63NW-0205-SSXX	Total/NA	Solid	6010B	53143
240-13670-21	LLI01-63SE-0006-SSXX	Total/NA	Solid	6010B	53143
240-13670-22	LLI01-63SE-0602-SSXX	Total/NA	Solid	6010B	53143
240-13670-23	LLI01-63SE-0205-SSXX	Total/NA	Solid	6010B	53143
240-13670-23 MS	LLI01-63SE-0205-SSXX	Total/NA	Solid	6010B	53143
240-13670-23 MSD	LLI01-63SE-0205-SSXX	Total/NA	Solid	6010B	53143
240-13670-24	LLI01-63NE-0006-SSXX	Total/NA	Solid	6010B	53143
240-13670-25	LLI01-63NE-0602-SSXX	Total/NA	Solid	6010B	53143
240-13670-26	LLI01-63NE-0205-SSXX	Total/NA	Solid	6010B	53143
LCS 240-53131/2-A	Lab Control Sample	Total/NA	Solid	6010B	53131
LCS 240-53143/2-A	Lab Control Sample	Total/NA	Solid	6010B	53143
MB 240-53131/1-A	Method Blank	Total/NA	Solid	6010B	53131
MB 240-53143/1-A	Method Blank	Total/NA	Solid	6010B	53143
MB 240-53143/1-A	Method Blank	Total/NA	Solid	6010B	53143

Analysis Batch: 53842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13670-1	LLI01-44SE-0006-SSXX	Total/NA	Solid	6010B	53131
240-13670-3	LLI01-44SE-0205-SSXX	Total/NA	Solid	6010B	53131
240-13670-4	LLI01-44NE-0006-SSXX	Total/NA	Solid	6010B	53131
240-13670-7	LLI01-44NW-0006-SSXX	Total/NA	Solid	6010B	53143
240-13670-8	LLI01-44NW-0602-SSXX	Total/NA	Solid	6010B	53143
240-13670-10	LLI01-44SW-0006-SSXX	Total/NA	Solid	6010B	53143
240-13670-18	LLI01-63NW-0006-SSXX	Total/NA	Solid	6010B	53143
240-13670-22	LLI01-63SE-0602-SSXX	Total/NA	Solid	6010B	53143
240-13670-24	LLI01-63NE-0006-SSXX	Total/NA	Solid	6010B	53143
240-13670-29	LLI01-62SE-0006-SSXX	Total/NA	Solid	6010B	53534
240-13670-30	LLI01-62SE-0602-SSXX	Total/NA	Solid	6010B	53534
240-13670-31	LLI01-62SE-0205-SSXX	Total/NA	Solid	6010B	53534
240-13670-34	LLI01-53NE-0006-SSXX	Total/NA	Solid	6010B	53534
240-13670-35	LLI01-53NE-0602-SSXX	Total/NA	Solid	6010B	53534

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Metals (Continued)

Analysis Batch: 53842 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13670-36	LLI01-53NE-0205-SSXX	Total/NA	Solid	6010B	53534
240-13670-37	LLI01-53SE-0006-SSXX	Total/NA	Solid	6010B	53534
240-13670-38	LLI01-53SE-0602-SSXX	Total/NA	Solid	6010B	53534
240-13670-39	LLI01-53SE-0205-SSXX	Total/NA	Solid	6010B	53534
240-13670-40	LLI01-53SW-0006-SSXX	Total/NA	Solid	6010B	53534
240-13670-41	LLI01-53SW-0602-SSXX	Total/NA	Solid	6010B	53534
240-13670-45	LLI01-DP29-XXXX-SSFD	Total/NA	Solid	6010B	53534
240-13670-46	LLI01-DP30-XXXX-SSFD	Total/NA	Solid	6010B	53534
240-13670-47	LLI01-DP31-XXXX-SSFD	Total/NA	Solid	6010B	53534
LCS 240-53534/2-A	Lab Control Sample	Total/NA	Solid	6010B	53534
MB 240-53534/1-A	Method Blank	Total/NA	Solid	6010B	53534

Analysis Batch: 54150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13670-34	LLI01-53NE-0006-SSXX	Total/NA	Solid	6010B	53534
240-13670-37	LLI01-53SE-0006-SSXX	Total/NA	Solid	6010B	53534
240-13670-37	LLI01-53SE-0006-SSXX	Total/NA	Solid	6010B	53534
240-13670-40	LLI01-53SW-0006-SSXX	Total/NA	Solid	6010B	53534
240-13670-41	LLI01-53SW-0602-SSXX	Total/NA	Solid	6010B	53534
240-13670-42	LLI01-53SW-0205-SSXX	Total/NA	Solid	6010B	53534

General Chemistry

Analysis Batch: 52836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13670-1	LLI01-44SE-0006-SSXX	Total/NA	Solid	Moisture	
240-13670-2	LLI01-44SE-0602-SSXX	Total/NA	Solid	Moisture	
240-13670-3	LLI01-44SE-0205-SSXX	Total/NA	Solid	Moisture	
240-13670-4	LLI01-44NE-0006-SSXX	Total/NA	Solid	Moisture	
240-13670-5	LLI01-44NE-0602-SSXX	Total/NA	Solid	Moisture	
240-13670-6	LLI01-44NE-0205-SSXX	Total/NA	Solid	Moisture	
240-13670-7	LLI01-44NW-0006-SSXX	Total/NA	Solid	Moisture	
240-13670-7 DU	LLI01-44NW-0006-SSXX	Total/NA	Solid	Moisture	
240-13670-8	LLI01-44NW-0602-SSXX	Total/NA	Solid	Moisture	
240-13670-9	LLI01-44NW-0205-SSXX	Total/NA	Solid	Moisture	
240-13670-10	LLI01-44SW-0006-SSXX	Total/NA	Solid	Moisture	
240-13670-11	LLI01-44SW-0602-SSXX	Total/NA	Solid	Moisture	
240-13670-12	LLI01-44SW-0205-SSXX	Total/NA	Solid	Moisture	
240-13670-13	LLI01-44XX-0006-SSWC	Total/NA	Solid	Moisture	
240-13670-14	LLI01-44XX-0602-SSWC	Total/NA	Solid	Moisture	
240-13670-15	LLI01-63SW-0006-SSXX	Total/NA	Solid	Moisture	
240-13670-16	LLI01-63SW-0602-SSXX	Total/NA	Solid	Moisture	
240-13670-17	LLI01-63SW-0205-SSXX	Total/NA	Solid	Moisture	
240-13670-18	LLI01-63NW-0006-SSXX	Total/NA	Solid	Moisture	
240-13670-19	LLI01-63NW-0602-SSXX	Total/NA	Solid	Moisture	
240-13670-20	LLI01-63NW-0205-SSXX	Total/NA	Solid	Moisture	
240-13670-21	LLI01-63SE-0006-SSXX	Total/NA	Solid	Moisture	
240-13670-22	LLI01-63SE-0602-SSXX	Total/NA	Solid	Moisture	
240-13670-23	LLI01-63SE-0205-SSXX	Total/NA	Solid	Moisture	
240-13670-23 DU	LLI01-63SE-0205-SSXX	Total/NA	Solid	Moisture	
240-13670-24	LLI01-63NE-0006-SSXX	Total/NA	Solid	Moisture	
240-13670-25	LLI01-63NE-0602-SSXX	Total/NA	Solid	Moisture	

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

General Chemistry (Continued)

Analysis Batch: 52836 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13670-25 DU	LLI01-63NE-0602-SSXX	Total/NA	Solid	Moisture	
240-13670-26	LLI01-63NE-0205-SSXX	Total/NA	Solid	Moisture	
240-13670-29	LLI01-62SE-0006-SSXX	Total/NA	Solid	Moisture	
240-13670-30	LLI01-62SE-0602-SSXX	Total/NA	Solid	Moisture	
240-13670-31	LLI01-62SE-0205-SSXX	Total/NA	Solid	Moisture	
240-13670-34	LLI01-53NE-0006-SSXX	Total/NA	Solid	Moisture	
240-13670-34 DU	LLI01-53NE-0006-SSXX	Total/NA	Solid	Moisture	
240-13670-35	LLI01-53NE-0602-SSXX	Total/NA	Solid	Moisture	
240-13670-36	LLI01-53NE-0205-SSXX	Total/NA	Solid	Moisture	
240-13670-37	LLI01-53SE-0006-SSXX	Total/NA	Solid	Moisture	
240-13670-38	LLI01-53SE-0602-SSXX	Total/NA	Solid	Moisture	
240-13670-39	LLI01-53SE-0205-SSXX	Total/NA	Solid	Moisture	
240-13670-40	LLI01-53SW-0006-SSXX	Total/NA	Solid	Moisture	
240-13670-41	LLI01-53SW-0602-SSXX	Total/NA	Solid	Moisture	
240-13670-42	LLI01-53SW-0205-SSXX	Total/NA	Solid	Moisture	
240-13670-45	LLI01-DP29-XXXX-SSFD	Total/NA	Solid	Moisture	
240-13670-46	LLI01-DP30-XXXX-SSFD	Total/NA	Solid	Moisture	
240-13670-47	LLI01-DP31-XXXX-SSFD	Total/NA	Solid	Moisture	

Analysis Batch: 52980

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13670-13	LLI01-44XX-0006-SSWC	Total/NA	Solid	9045C	
240-13670-13 DU	LLI01-44XX-0006-SSWC	Total/NA	Solid	9045C	
240-13670-14	LLI01-44XX-0602-SSWC	Total/NA	Solid	9045C	
LCS 240-52980/5	Lab Control Sample	Total/NA	Solid	9045C	

Prep Batch: 74970

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13670-13	LLI01-44XX-0006-SSWC	Total/NA	Solid	7.3.3	
240-13670-14	LLI01-44XX-0602-SSWC	Total/NA	Solid	7.3.3	
LCS 480-74970/1-A	Lab Control Sample	Total/NA	Solid	7.3.3	
MB 480-74970/2-A	Method Blank	Total/NA	Solid	7.3.3	

Prep Batch: 74972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13670-13	LLI01-44XX-0006-SSWC	Total/NA	Solid	7.3.4	
240-13670-14	LLI01-44XX-0602-SSWC	Total/NA	Solid	7.3.4	
LCS 480-74972/1-A	Lab Control Sample	Total/NA	Solid	7.3.4	
MB 480-74972/2-A	Method Blank	Total/NA	Solid	7.3.4	

Analysis Batch: 74978

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13670-13	LLI01-44XX-0006-SSWC	Total/NA	Solid	9012	74970
240-13670-14	LLI01-44XX-0602-SSWC	Total/NA	Solid	9012	74970
LCS 480-74970/1-A	Lab Control Sample	Total/NA	Solid	9012	74970
MB 480-74970/2-A	Method Blank	Total/NA	Solid	9012	74970

Analysis Batch: 75148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13670-13	LLI01-44XX-0006-SSWC	Total/NA	Solid	9034	74972
240-13670-14	LLI01-44XX-0602-SSWC	Total/NA	Solid	9034	74972
LCS 480-74972/1-A	Lab Control Sample	Total/NA	Solid	9034	74972

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

General Chemistry (Continued)

Analysis Batch: 75148 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-74972/2-A	Method Blank	Total/NA	Solid	9034	74972

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Client Sample ID: LLI01-44SE-0006-SSXX

Date Collected: 07/29/12 07:00

Date Received: 07/31/12 09:30

Lab Sample ID: 240-13670-1

Matrix: Solid

Percent Solids: 86.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53131	08/03/12 09:56	DE	TAL NC
Total/NA	Analysis	6010B		1	53790	08/08/12 23:42	KC	TAL NC
Total/NA	Analysis	6010B		5	53842	08/09/12 14:37	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 13:37	JB	TAL NC

Client Sample ID: LLI01-44SE-0602-SSXX

Date Collected: 07/29/12 07:01

Date Received: 07/31/12 09:30

Lab Sample ID: 240-13670-2

Matrix: Solid

Percent Solids: 86.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53131	08/03/12 09:56	DE	TAL NC
Total/NA	Analysis	6010B		1	53790	08/08/12 23:48	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 13:37	JB	TAL NC

Client Sample ID: LLI01-44SE-0205-SSXX

Date Collected: 07/29/12 07:02

Date Received: 07/31/12 09:30

Lab Sample ID: 240-13670-3

Matrix: Solid

Percent Solids: 84.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53131	08/03/12 09:56	DE	TAL NC
Total/NA	Analysis	6010B		1	53790	08/08/12 23:53	KC	TAL NC
Total/NA	Analysis	6010B		5	53842	08/09/12 14:43	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 13:37	JB	TAL NC

Client Sample ID: LLI01-44NE-0006-SSXX

Date Collected: 07/29/12 07:10

Date Received: 07/31/12 09:30

Lab Sample ID: 240-13670-4

Matrix: Solid

Percent Solids: 89.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53131	08/03/12 09:56	DE	TAL NC
Total/NA	Analysis	6010B		1	53790	08/08/12 23:59	KC	TAL NC
Total/NA	Analysis	6010B		5	53842	08/09/12 14:48	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 13:37	JB	TAL NC

Client Sample ID: LLI01-44NE-0602-SSXX

Date Collected: 07/29/12 07:11

Date Received: 07/31/12 09:30

Lab Sample ID: 240-13670-5

Matrix: Solid

Percent Solids: 89.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53143	08/03/12 10:32	DE	TAL NC
Total/NA	Analysis	6010B		1	53790	08/09/12 03:52	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 13:37	JB	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Client Sample ID: LLI01-44NE-0205-SSXX

Lab Sample ID: 240-13670-6

Date Collected: 07/29/12 07:12

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 85.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53143	08/03/12 10:32	DE	TAL NC
Total/NA	Analysis	6010B		1	53790	08/09/12 03:58	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 13:37	JB	TAL NC

Client Sample ID: LLI01-44NW-0006-SSXX

Lab Sample ID: 240-13670-7

Date Collected: 07/29/12 07:17

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 86.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53143	08/03/12 10:32	DE	TAL NC
Total/NA	Analysis	6010B		1	53790	08/09/12 04:15	KC	TAL NC
Total/NA	Analysis	6010B		100	53842	08/09/12 13:35	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 13:37	JB	TAL NC

Client Sample ID: LLI01-44NW-0602-SSXX

Lab Sample ID: 240-13670-8

Date Collected: 07/29/12 07:18

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 82.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53143	08/03/12 10:32	DE	TAL NC
Total/NA	Analysis	6010B		1	53790	08/09/12 04:20	KC	TAL NC
Total/NA	Analysis	6010B		5	53842	08/09/12 13:40	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 13:37	JB	TAL NC

Client Sample ID: LLI01-44NW-0205-SSXX

Lab Sample ID: 240-13670-9

Date Collected: 07/29/12 07:19

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 74.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53143	08/03/12 10:32	DE	TAL NC
Total/NA	Analysis	6010B		1	53790	08/09/12 04:26	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 13:37	JB	TAL NC

Client Sample ID: LLI01-44SW-0006-SSXX

Lab Sample ID: 240-13670-10

Date Collected: 07/29/12 07:27

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 87.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53143	08/03/12 10:32	DE	TAL NC
Total/NA	Analysis	6010B		1	53790	08/09/12 04:32	KC	TAL NC
Total/NA	Analysis	6010B		100	53842	08/09/12 13:46	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 13:37	JB	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Client Sample ID: LLI01-44SW-0602-SSXX

Lab Sample ID: 240-13670-11

Date Collected: 07/29/12 07:28

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 86.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53143	08/03/12 10:32	DE	TAL NC
Total/NA	Analysis	6010B		1	53790	08/09/12 04:38	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 13:37	JB	TAL NC

Client Sample ID: LLI01-44SW-0205-SSXX

Lab Sample ID: 240-13670-12

Date Collected: 07/29/12 07:29

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 82.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53143	08/03/12 10:32	DE	TAL NC
Total/NA	Analysis	6010B		1	53790	08/09/12 04:44	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 13:37	JB	TAL NC

Client Sample ID: LLI01-44XX-0006-SSWC

Lab Sample ID: 240-13670-13

Date Collected: 07/29/12 07:35

Matrix: Solid

Date Received: 07/31/12 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	52836	08/01/12 13:37	JB	TAL NC
Total/NA	Analysis	9045C		1	52980	08/02/12 11:52	BW	TAL NC
Total/NA	Prep	7.3.3			74970	08/02/12 16:20	LAW	TAL BUF
Total/NA	Analysis	9012		1	74978	08/03/12 01:33	LAW	TAL BUF
Total/NA	Prep	7.3.4			74972	08/02/12 16:20	LAW	TAL BUF
Total/NA	Analysis	9034		1	75148	08/03/12 23:10	LAW	TAL BUF

Client Sample ID: LLI01-44XX-0602-SSWC

Lab Sample ID: 240-13670-14

Date Collected: 07/29/12 07:40

Matrix: Solid

Date Received: 07/31/12 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	52836	08/01/12 13:37	JB	TAL NC
Total/NA	Analysis	9045C		1	52980	08/02/12 12:16	BW	TAL NC
Total/NA	Prep	7.3.3			74970	08/02/12 16:20	LAW	TAL BUF
Total/NA	Analysis	9012		1	74978	08/03/12 01:33	LAW	TAL BUF
Total/NA	Prep	7.3.4			74972	08/02/12 16:20	LAW	TAL BUF
Total/NA	Analysis	9034		1	75148	08/03/12 23:10	LAW	TAL BUF

Client Sample ID: LLI01-63SW-0006-SSXX

Lab Sample ID: 240-13670-15

Date Collected: 07/29/12 07:53

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 87.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53143	08/03/12 10:32	DE	TAL NC
Total/NA	Analysis	6010B		1	53790	08/09/12 04:50	KC	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Client Sample ID: LLI01-63SW-0006-SSXX

Lab Sample ID: 240-13670-15

Date Collected: 07/29/12 07:53

Matrix: Solid

Date Received: 07/31/12 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	52836	08/01/12 13:37	JB	TAL NC

Client Sample ID: LLI01-63SW-0602-SSXX

Lab Sample ID: 240-13670-16

Date Collected: 07/29/12 07:54

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53143	08/03/12 10:32	DE	TAL NC
Total/NA	Analysis	6010B		1	53790	08/09/12 04:55	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 13:37	JB	TAL NC

Client Sample ID: LLI01-63SW-0205-SSXX

Lab Sample ID: 240-13670-17

Date Collected: 07/29/12 07:55

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 84.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53143	08/03/12 10:32	DE	TAL NC
Total/NA	Analysis	6010B		1	53790	08/09/12 05:01	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 13:37	JB	TAL NC

Client Sample ID: LLI01-63NW-0006-SSXX

Lab Sample ID: 240-13670-18

Date Collected: 07/29/12 08:02

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 88.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53143	08/03/12 10:32	DE	TAL NC
Total/NA	Analysis	6010B		1	53790	08/09/12 05:08	KC	TAL NC
Total/NA	Analysis	6010B		5	53842	08/09/12 13:52	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 13:37	JB	TAL NC

Client Sample ID: LLI01-63NW-0602-SSXX

Lab Sample ID: 240-13670-19

Date Collected: 07/29/12 08:03

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 90.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53143	08/03/12 10:32	DE	TAL NC
Total/NA	Analysis	6010B		1	53790	08/09/12 05:25	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 13:37	JB	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Client Sample ID: LLI01-63NW-0205-SSXX

Lab Sample ID: 240-13670-20

Date Collected: 07/29/12 08:04

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 92.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53143	08/03/12 10:32	DE	TAL NC
Total/NA	Analysis	6010B		1	53790	08/09/12 05:30	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 13:37	JB	TAL NC

Client Sample ID: LLI01-63SE-0006-SSXX

Lab Sample ID: 240-13670-21

Date Collected: 07/29/12 08:15

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 87.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53143	08/03/12 10:32	DE	TAL NC
Total/NA	Analysis	6010B		1	53790	08/09/12 05:36	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 13:37	JB	TAL NC

Client Sample ID: LLI01-63SE-0602-SSXX

Lab Sample ID: 240-13670-22

Date Collected: 07/29/12 08:16

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 94.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53143	08/03/12 10:32	DE	TAL NC
Total/NA	Analysis	6010B		1	53790	08/09/12 05:42	KC	TAL NC
Total/NA	Analysis	6010B		10	53842	08/09/12 13:57	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 13:37	JB	TAL NC

Client Sample ID: LLI01-63SE-0205-SSXX

Lab Sample ID: 240-13670-23

Date Collected: 07/29/12 08:17

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 77.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53143	08/03/12 10:32	DE	TAL NC
Total/NA	Analysis	6010B		1	53790	08/09/12 03:29	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 13:37	JB	TAL NC

Client Sample ID: LLI01-63NE-0006-SSXX

Lab Sample ID: 240-13670-24

Date Collected: 07/29/12 08:25

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 87.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53143	08/03/12 10:32	DE	TAL NC
Total/NA	Analysis	6010B		1	53790	08/09/12 05:47	KC	TAL NC
Total/NA	Analysis	6010B		5	53842	08/09/12 14:03	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 13:37	JB	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Client Sample ID: LLI01-63NE-0602-SSXX

Lab Sample ID: 240-13670-25

Date Collected: 07/29/12 08:26

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 85.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53143	08/03/12 10:32	DE	TAL NC
Total/NA	Analysis	6010B		1	53790	08/09/12 05:53	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 13:37	JB	TAL NC

Client Sample ID: LLI01-63NE-0205-SSXX

Lab Sample ID: 240-13670-26

Date Collected: 07/29/12 08:27

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 94.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53143	08/03/12 10:32	DE	TAL NC
Total/NA	Analysis	6010B		1	53790	08/09/12 05:59	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 13:37	JB	TAL NC

Client Sample ID: LLI01-62SE-0006-SSXX

Lab Sample ID: 240-13670-29

Date Collected: 07/29/12 08:44

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 69.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53534	08/07/12 11:45	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/10/12 02:49	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 13:37	JB	TAL NC

Client Sample ID: LLI01-62SE-0602-SSXX

Lab Sample ID: 240-13670-30

Date Collected: 07/29/12 08:45

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 88.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53534	08/07/12 11:45	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/10/12 03:06	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 13:37	JB	TAL NC

Client Sample ID: LLI01-62SE-0205-SSXX

Lab Sample ID: 240-13670-31

Date Collected: 07/29/12 08:46

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 85.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53534	08/07/12 11:45	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/10/12 03:11	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 13:37	JB	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Client Sample ID: LLI01-53NE-0006-SSXX

Lab Sample ID: 240-13670-34

Date Collected: 07/29/12 09:50

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 88.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53534	08/07/12 11:45	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/10/12 03:17	KC	TAL NC
Total/NA	Analysis	6010B		1	54150	08/10/12 15:59	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 13:37	JB	TAL NC

Client Sample ID: LLI01-53NE-0602-SSXX

Lab Sample ID: 240-13670-35

Date Collected: 07/29/12 09:51

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 74.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53534	08/07/12 11:45	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/10/12 03:23	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 13:37	JB	TAL NC

Client Sample ID: LLI01-53NE-0205-SSXX

Lab Sample ID: 240-13670-36

Date Collected: 07/29/12 09:52

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53534	08/07/12 11:45	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/10/12 03:28	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 13:37	JB	TAL NC

Client Sample ID: LLI01-53SE-0006-SSXX

Lab Sample ID: 240-13670-37

Date Collected: 07/29/12 09:59

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 91.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53534	08/07/12 11:45	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/10/12 03:34	KC	TAL NC
Total/NA	Analysis	6010B		1	54150	08/10/12 16:05	KC	TAL NC
Total/NA	Analysis	6010B		5	54150	08/10/12 16:10	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 13:37	JB	TAL NC

Client Sample ID: LLI01-53SE-0602-SSXX

Lab Sample ID: 240-13670-38

Date Collected: 07/29/12 10:00

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 82.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53534	08/07/12 11:45	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/10/12 03:40	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 13:37	JB	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Client Sample ID: LLI01-53SE-0205-SSXX

Lab Sample ID: 240-13670-39

Date Collected: 07/29/12 10:01

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 61.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53534	08/07/12 11:45	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/10/12 03:46	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 13:37	JB	TAL NC

Client Sample ID: LLI01-53SW-0006-SSXX

Lab Sample ID: 240-13670-40

Date Collected: 07/29/12 10:06

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 90.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53534	08/07/12 11:45	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/10/12 03:51	KC	TAL NC
Total/NA	Analysis	6010B		5	54150	08/10/12 16:16	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 13:37	JB	TAL NC

Client Sample ID: LLI01-53SW-0602-SSXX

Lab Sample ID: 240-13670-41

Date Collected: 07/29/12 10:07

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 86.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53534	08/07/12 11:45	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/10/12 03:57	KC	TAL NC
Total/NA	Analysis	6010B		5	54150	08/10/12 16:22	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 13:37	JB	TAL NC

Client Sample ID: LLI01-53SW-0205-SSXX

Lab Sample ID: 240-13670-42

Date Collected: 07/29/12 10:08

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 84.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53534	08/07/12 11:45	DE	TAL NC
Total/NA	Analysis	6010B		5	54150	08/10/12 16:27	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 13:37	JB	TAL NC

Client Sample ID: LLI01-DP29-XXXX-SSFD

Lab Sample ID: 240-13670-45

Date Collected: 07/29/12 00:00

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 72.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53534	08/07/12 11:45	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/10/12 04:20	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 13:37	JB	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Client Sample ID: LLI01-DP30-XXXX-SSFD

Lab Sample ID: 240-13670-46

Date Collected: 07/29/12 00:00

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 89.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53534	08/07/12 11:45	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/10/12 04:25	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 13:37	JB	TAL NC

Client Sample ID: LLI01-DP31-XXXX-SSFD

Lab Sample ID: 240-13670-47

Date Collected: 07/29/12 00:00

Matrix: Solid

Date Received: 07/31/12 09:30

Percent Solids: 85.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			53534	08/07/12 11:45	DE	TAL NC
Total/NA	Analysis	6010B		1	53842	08/10/12 04:31	KC	TAL NC
Total/NA	Analysis	Moisture		1	52836	08/01/12 13:37	JB	TAL NC

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

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

Certification Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Laboratory: TestAmerica Canton

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

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAC	9	01144CA	06-30-13
Connecticut	State Program	1	PH-0590	12-31-13
Florida	NELAC	4	E87225	06-30-13
Georgia	State Program	4	N/A	06-30-13
Illinois	NELAC	5	200004	07-31-13
Kansas	NELAC	7	E-10336	01-31-13
Kentucky	State Program	4	58	11-16-12
L-A-B	DoD ELAP		L2315	02-28-13
Minnesota	NELAC	5	039-999-348	12-31-12
Nevada	State Program	9	OH-000482008A	07-31-12
New Jersey	NELAC	2	OH001	06-30-13
New York	NELAC	2	10975	04-01-13
Ohio VAP	State Program	5	CL0024	01-19-14
Pennsylvania	NELAC	3	68-00340	08-31-12
USDA	Federal		P330-11-00328	08-26-14
Virginia	NELAC	3	460175	09-14-12
Washington	State Program	10	C971	01-12-13
West Virginia DEP	State Program	3	210	12-31-12
Wisconsin	State Program	5	999518190	08-31-12

Laboratory: TestAmerica Buffalo

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-13
California	NELAC	9	1169CA	09-30-12
Connecticut	State Program	1	PH-0568	09-30-12
Florida	NELAC	4	E87672	06-30-13
Georgia	State Program	4	N/A	03-31-13
Georgia	State Program	4	956	03-31-12
Illinois	NELAC	5	200003	09-30-12
Iowa	State Program	7	374	03-01-13
Kansas	NELAC	7	E-10187	01-31-13
Kentucky	State Program	4	90029	12-31-12
Kentucky (UST)	State Program	4	30	04-01-13
Louisiana	NELAC	6	02031	06-30-13
Maine	State Program	1	NY00044	12-04-12
Maryland	State Program	3	294	03-31-13
Massachusetts	State Program	1	M-NY044	06-30-13
Michigan	State Program	5	9937	04-01-13
Minnesota	NELAC	5	036-999-337	12-31-12
New Hampshire	NELAC	1	2973	09-11-12
New Hampshire	NELAC	1	2337	11-17-12
New Jersey	NELAC	2	NY455	06-30-13
New York	NELAC	2	10026	03-31-13
North Dakota	State Program	8	R-176	03-31-13
Oklahoma	State Program	6	9421	08-31-12
Oregon	NELAC	10	NY200003	06-09-13
Pennsylvania	NELAC	3	68-00281	07-31-13
Tennessee	State Program	4	TN02970	04-01-13
Texas	NELAC	6	T104704412-11-2	07-31-13
USDA	Federal		P330-11-00386	11-22-14
Virginia	NELAC	3	460185	09-14-12

Certification Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Lake Linden

TestAmerica Job ID: 240-13670-1

Laboratory: TestAmerica Buffalo (Continued)

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Washington	State Program	10	C784	02-10-13
West Virginia DEP	State Program	3	252	09-30-12
Wisconsin	State Program	5	998310390	08-31-12

Chain of Custody Record

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

Client Contact Company Name: <u>Amec</u> Address: <u>46850 Mayfield Street</u> City/State/Zip: <u>Novi MI 48377</u> Phone: <u>248-926-4008</u> Project Name: <u>14th Lake Linden</u> Project Number: <u>320311440</u> PO # <u>Direct Bill to Hon</u>		Client Project Manager: Name: <u>Sam Dyer</u> Telephone: <u>Sam Dyer</u> Email: <u>Sam.Dyer@Amec.com</u> Method of Shipment/Carrier: <u>Fed Ex</u> Shipping/Tracking No:		Site Contact: Name: <u>Mark Loeb</u> Telephone:		Lab Contact: Name: <u>Mark Loeb</u> Telephone:		COC No: <u>044100</u> 1 of 5 COCs	
Analysis Turnaround Time (in BUS days) TAT is different from below: <u>Standard</u> <input type="checkbox"/> 3 weeks <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Containers & Preservatives HCl <input type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> Other:		Filtered Sample (Y/N) Composite (Y/N)		Analyses For lab use only: Walk-in chest <input type="checkbox"/> Lab pickup <input type="checkbox"/> Lab sampling <input type="checkbox"/> Job/SDG No:		Sample Specific Notes / Special Instructions:	
Matrix Air <input type="checkbox"/> Aqueous <input type="checkbox"/> Sediment <input type="checkbox"/> Solid <input type="checkbox"/> Other:		Sample Date Sample Time		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months		hdd waste characterization			
Sample Identification 11101-44SE-0006-SSXX 11101-44SE-0602-SSXX 11101-44SE-0705-SSXX 11101-44NE-0006-SSXX 11101-44NE-0602-SSXX 11101-44NE-0705-SSXX 11101-44NW-0006-SSXX 11101-44NW-0602-SSXX 11101-44NW-0705-SSXX 11101-44SW-0006-SSXX		7/30/12 0700 7/30/12 0701 0702 0710 0711 0712 0717 0718 0719 0727		G X G X G X G X G X G X G X G X G X G X		X X X X X X X X X X			
Positive Hazard Identification <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown		Special Instructions/OC Requirements & Comments: hdd waste characterization		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months		Received by: <u>Fed Ex</u> Date/Time: <u>7/30/12 - 12P</u>			
Relinquished by: <u>[Signature]</u> Relinquished by: <u>[Signature]</u> Relinquished by:		Company: <u>Amec</u> Company: Company:		Received by: <u>Fed Ex</u> Date/Time: <u>7/30/12 - 12P</u>		Received by: <u>Mike St. Jane</u> Date/Time: <u>7/31/12 930</u>			



Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: North Canton, OH

Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

Client Contact Company Name: <u>Anec</u> Address: <u>46850 Maple</u> City/State/Zip: <u>Nori, MI 48377</u> Phone: <u>248-976-4008</u> Project Name: <u>Hwy Lake Linder</u> Project Number: <u>3703111440</u> PO# <u>Direct Bill to Honeywell</u>		Client Project Manager: Name: <u>Dan Dyer</u> Telephone: <u>same</u> Email: <u>dan.dyer@anec.com</u> Method of Shipment/Carrier: <u>Fed Ex</u> Shipping/Tracking No.:		Site Contact: Name: <u>Mark Leeb</u> Telephone:		Lab Contact: Name: <u>Mark Leeb</u> Telephone:		TestAmerica Laboratories, Inc. COC No: <u>044073</u> 3 of 3 COCs	
Analysis Turnaround Time TAT different from below: <u>Standard</u> <input type="checkbox"/> 3 weeks <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Containers & Preservatives HCl <input type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> Other:		Matrix Air <input type="checkbox"/> Aquatic <input type="checkbox"/> Sediment <input type="checkbox"/> Solid <input type="checkbox"/> Other:		Filtered Sample (Y/N) Composite <input type="checkbox"/> Grab <input type="checkbox"/>		Analyses	
Sample Identification		Sample Date		Sample Time		Sample Specific Notes / Special Instructions:		For lab use only Wait-in direct <input type="checkbox"/> Lab pickup <input type="checkbox"/> Lab sampling <input type="checkbox"/> LabSDG No:	
U1101-635E-0006-SSXX		7/29/12		815		X		hold	
U1102-635E-0602-SSXX		816		816		X		hold	
U1101-635E-0705-SSXX		817		817		X		hold	
U1101-635E-0705-SSMS		818		818		X		hold	
U1101-635E-0705-SSMD		819		819		X		hold	
U1101-63NE-0006-SSXX		825		825		X		hold	
U1101-63NE-0602-SSXX		826		826		X		hold	
U1101-63NE-0705-SSXX		827		827		X		hold	
U1101-63XX-0006-SSXX		833		833		X		hold	
U1101-63XX-0602-SSWC		838		838		X		hold	
Possible Hazard Identification <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months		Special Instructions/OC Requirements & Comments: hold waste characterization		Relinquished by: <u>[Signature]</u>		Received by: <u>FedEx</u>	
Relinquished by: <u>[Signature]</u>		Company: <u>Anec</u>		Date/Time: 7/30/12		Company: <u>FedEx</u>		Date/Time:	
Relinquished by: <u>[Signature]</u>		Company:		Date/Time:		Company:		Date/Time:	
Relinquished by: <u>[Signature]</u>		Company:		Date/Time:		Company:		Date/Time: 7/31/12 930	

TestAmerica North Canton Sample Receipt Form/Narrative

Login #: 13670

Client MEC Site Name _____By: [Signature]
(Signature)Cooler Received on 7/31/12 Opened on 7/31/12FedEx: 1st Grd ☒ Exp ☐ UPS ☐ FAS ☐ Stetson ☐ Client Drop Off ☐ TestAmerica Courier ☐ Other _____TestAmerica Cooler # _____ Foam Box ☐ Client Cooler ☐ Box ☐ Other _____Packing material used: ☒ Bubble Wrap ☐ Foam ☐ Plastic Bag ☐ None ☐ Other _____COOLANT: ☒ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ Water ☐ None

1. Cooler temperature upon receipt

IR GUN# 1 (CF 0°C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C

IR GUN# 4G (CF -1°C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C

IR GUN# 5G (CF -1°C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C

IR GUN# 8 (CF 0°C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C

☒ Multiple
on Back

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity _____

Yes ☒ No ☒

-Were custody seals on the outside of the cooler(s) signed & dated?

Yes ☐ No ☒ NA

-Were custody seals on the bottle(s)?

Yes ☒ No ☒

3. Shippers' packing slip attached to the cooler(s)?

☒ Yes ☐ No

4. Did custody papers accompany the sample(s)?

☒ Yes ☐ No

5. Were the custody papers relinquished & signed in the appropriate place?

☒ Yes ☐ No

6. Did all bottles arrive in good condition (Unbroken)?

☒ Yes ☐ No

7. Could all bottle labels be reconciled with the COC?

☒ Yes ☐ No

8. Were correct bottle(s) used for the test(s) indicated?

☒ Yes ☐ No

9. Sufficient quantity received to perform indicated analyses?

☒ Yes ☐ No

10. Were sample(s) at the correct pH upon receipt?

Yes ☐ No ☒ NA

11. Were VOAs on the COC?

Yes ☒ No ☒

12. Were air bubbles >6 mm in any VOA vials?

Yes ☐ No ☒ NA

13. Was a trip blank present in the cooler(s)?

Yes ☒ No ☒Contacted PM _____ Date _____ by _____ via Verbal ☐ Voice Mail ☐ Other _____
Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

[illegible]

Login Sample Receipt Checklist

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-13670-1

Login Number: 13670

List Source: TestAmerica Canton

List Number: 1

Creator: Livengood, Chris

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

Login Sample Receipt Checklist

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-13670-1

Login Number: 13670

List Number: 1

Creator: Robison, Zachary

List Source: TestAmerica Buffalo

List Creation: 08/02/12 01:51 PM

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Canton

4101 Shuffel Street NW

North Canton, OH 44720

Tel: (330)497-9396

TestAmerica Job ID: 240-13797-2

Client Project/Site: HW LAKE LINDEN

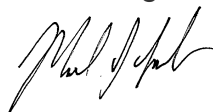
For:

AMEC Environment & Infrastructure, Inc.

46850 Magellan Drive, Suite 190

Novi, Michigan 48377

Attn: Doug Saigh



Authorized for release by:

8/31/2012 2:16:04 PM

Mark Loeb

Project Manager II

mark.loeb@testamericainc.com

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

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

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Method Summary	6
Sample Summary	7
Detection Summary	8
Client Sample Results	9
QC Sample Results	11
QC Association Summary	14
Lab Chronicle	16
Certification Summary	17
Chain of Custody	18
Receipt Checklists	24



Definitions/Glossary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: HW LAKE LINDEN

TestAmerica Job ID: 240-13797-2

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
U	Indicates the analyte was analyzed for but not detected.
H	Sample was prepped or analyzed beyond the specified holding time

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: HW LAKE LINDEN

TestAmerica Job ID: 240-13797-2

Job ID: 240-13797-2

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: AMEC Environment & Infrastructure, Inc.

Project: HW LAKE LINDEN

Report Number: 240-13797-2

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

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

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

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

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

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

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

RECEIPT

The samples were received on 08/03/2012; the samples arrived in good condition and properly preserved. The temperatures of the coolers at receipt were 10.2 and 13.6 C.

TCLP METALS (ICP)

Samples LLI01-BERM-01-SSWC (240-13797-26) and LLI01-BERM-02-SSWC (240-13797-27) were analyzed for TCLP metals (ICP) in accordance with EPA SW-846 Methods 1311/ 6010B. The samples were leached on 08/23/2012, prepared on 08/24/2012 and analyzed on 08/27/2012.

Barium and Selenium were detected in method blank LB 240-55528/1-B at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

Barium was detected in method blank MB 240-55571/2-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

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

Case Narrative

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: HW LAKE LINDEN

TestAmerica Job ID: 240-13797-2

Job ID: 240-13797-2 (Continued)

Laboratory: TestAmerica Canton (Continued)

TCLP MERCURY

Samples LLI01-BERM-01-SSWC (240-13797-26) and LLI01-BERM-02-SSWC (240-13797-27) were analyzed for TCLP mercury in accordance with EPA SW-846 Methods 1311/7470A. The samples were leached on 08/23/2012, prepared on 08/24/2012 and analyzed on 08/28/2012.

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

FLASHPOINT

Samples LLI01-BERM-01-SSWC (240-13797-26) and LLI01-BERM-02-SSWC (240-13797-27) were analyzed for flashpoint in accordance with EPA SW-846 Method 1010. The samples were analyzed on 08/27/2012.

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

PAINT FILTER

Samples LLI01-BERM-01-SSWC (240-13797-26) and LLI01-BERM-02-SSWC (240-13797-27) were analyzed for paint filter in accordance with EPA SW-846 Method 9095A. The samples were analyzed on 08/30/2012.

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

Method Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: HW LAKE LINDEN

TestAmerica Job ID: 240-13797-2

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL NC
7470A	Mercury (CVAA)	SW846	TAL NC
1010	Ignitability, Pensky-Martens Closed-Cup Method	SW846	TAL NC
9095A	Paint Filter	SW846	TAL NC

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: HW LAKE LINDEN

TestAmerica Job ID: 240-13797-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-13797-26	LLI01-BERM-01-SSWC	Solid	07/30/12 14:26	08/03/12 09:15
240-13797-27	LLI01-BERM-02-SSWC	Solid	07/30/12 15:50	08/03/12 09:15

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: HW LAKE LINDEN

TestAmerica Job ID: 240-13797-2

Client Sample ID: LLI01-BERM-01-SSWC

Lab Sample ID: 240-13797-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0079	J	0.50	0.0032	mg/L	1		6010B	TCLP
Barium	0.57	J B	10	0.00067	mg/L	1		6010B	TCLP
Cadmium	0.0027	J	0.10	0.00066	mg/L	1		6010B	TCLP
Lead	0.15	J	0.50	0.0019	mg/L	1		6010B	TCLP
Selenium	0.0068	J B	0.25	0.0041	mg/L	1		6010B	TCLP
Flashpoint	>180		1.00	1.00	Degrees F	1		1010	Total/NA
Free Liquid	NEG		0.10	0.10	NONE	1		9095A	Total/NA

Client Sample ID: LLI01-BERM-02-SSWC

Lab Sample ID: 240-13797-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0041	J	0.50	0.0032	mg/L	1		6010B	TCLP
Barium	0.53	J B	10	0.00067	mg/L	1		6010B	TCLP
Cadmium	0.0025	J	0.10	0.00066	mg/L	1		6010B	TCLP
Chromium	0.0027	J	0.50	0.0022	mg/L	1		6010B	TCLP
Lead	0.079	J	0.50	0.0019	mg/L	1		6010B	TCLP
Selenium	0.0055	J B	0.25	0.0041	mg/L	1		6010B	TCLP
Flashpoint	>180		1.00	1.00	Degrees F	1		1010	Total/NA
Free Liquid	NEG		0.10	0.10	NONE	1		9095A	Total/NA

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: HW LAKE LINDEN

TestAmerica Job ID: 240-13797-2

Client Sample ID: LLI01-BERM-01-SSWC

Lab Sample ID: 240-13797-26

Date Collected: 07/30/12 14:26

Matrix: Solid

Date Received: 08/03/12 09:15

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0079	J	0.50	0.0032	mg/L		08/24/12 08:10	08/27/12 14:47	1
Barium	0.57	J B	10	0.00067	mg/L		08/24/12 08:10	08/27/12 14:47	1
Cadmium	0.0027	J	0.10	0.00066	mg/L		08/24/12 08:10	08/27/12 14:47	1
Chromium	0.50	U	0.50	0.0022	mg/L		08/24/12 08:10	08/27/12 14:47	1
Lead	0.15	J	0.50	0.0019	mg/L		08/24/12 08:10	08/27/12 14:47	1
Selenium	0.0068	J B	0.25	0.0041	mg/L		08/24/12 08:10	08/27/12 14:47	1
Silver	0.50	U	0.50	0.0022	mg/L		08/24/12 08:10	08/27/12 14:47	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0020	U H	0.0020	0.00012	mg/L		08/24/12 13:15	08/28/12 11:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>180		1.00	1.00	Degrees F			08/27/12 10:20	1
Free Liquid	NEG		0.10	0.10	NONE			08/30/12 09:18	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: HW LAKE LINDEN

TestAmerica Job ID: 240-13797-2

Client Sample ID: LLI01-BERM-02-SSWC

Lab Sample ID: 240-13797-27

Date Collected: 07/30/12 15:50

Matrix: Solid

Date Received: 08/03/12 09:15

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0041	J	0.50	0.0032	mg/L		08/24/12 08:10	08/27/12 15:09	1
Barium	0.53	J B	10	0.00067	mg/L		08/24/12 08:10	08/27/12 15:09	1
Cadmium	0.0025	J	0.10	0.00066	mg/L		08/24/12 08:10	08/27/12 15:09	1
Chromium	0.0027	J	0.50	0.0022	mg/L		08/24/12 08:10	08/27/12 15:09	1
Lead	0.079	J	0.50	0.0019	mg/L		08/24/12 08:10	08/27/12 15:09	1
Selenium	0.0055	J B	0.25	0.0041	mg/L		08/24/12 08:10	08/27/12 15:09	1
Silver	0.50	U	0.50	0.0022	mg/L		08/24/12 08:10	08/27/12 15:09	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0020	U H	0.0020	0.00012	mg/L		08/24/12 13:15	08/28/12 11:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>180		1.00	1.00	Degrees F			08/27/12 10:48	1
Free Liquid	NEG		0.10	0.10	NONE			08/30/12 09:21	1

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: HW LAKE LINDEN

TestAmerica Job ID: 240-13797-2

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 240-55571/2-A

Matrix: Solid

Analysis Batch: 55762

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 55571

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.50	U	0.50	0.0032	mg/L		08/24/12 08:10	08/27/12 14:35	1
Barium	0.00119	J	10	0.00067	mg/L		08/24/12 08:10	08/27/12 14:35	1
Cadmium	0.10	U	0.10	0.00066	mg/L		08/24/12 08:10	08/27/12 14:35	1
Chromium	0.50	U	0.50	0.0022	mg/L		08/24/12 08:10	08/27/12 14:35	1
Lead	0.50	U	0.50	0.0019	mg/L		08/24/12 08:10	08/27/12 14:35	1
Selenium	0.25	U	0.25	0.0041	mg/L		08/24/12 08:10	08/27/12 14:35	1
Silver	0.50	U	0.50	0.0022	mg/L		08/24/12 08:10	08/27/12 14:35	1

Lab Sample ID: LCS 240-55571/3-A

Matrix: Solid

Analysis Batch: 55762

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 55571

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	2.00	1.96		mg/L		98	50 - 150
Barium	2.00	1.98	J	mg/L		99	50 - 150
Cadmium	0.0500	0.0502	J	mg/L		100	50 - 150
Chromium	0.200	0.195	J	mg/L		97	50 - 150
Lead	0.500	0.483	J	mg/L		97	50 - 150
Selenium	2.00	1.98		mg/L		99	50 - 150
Silver	0.0500	0.0516	J	mg/L		103	50 - 150

Lab Sample ID: LB 240-55528/1-B LB

Matrix: Solid

Analysis Batch: 55762

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 55571

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.50	U	0.50	0.0032	mg/L		08/24/12 08:10	08/27/12 14:30	1
Barium	0.00268	J	10	0.00067	mg/L		08/24/12 08:10	08/27/12 14:30	1
Cadmium	0.10	U	0.10	0.00066	mg/L		08/24/12 08:10	08/27/12 14:30	1
Chromium	0.50	U	0.50	0.0022	mg/L		08/24/12 08:10	08/27/12 14:30	1
Lead	0.50	U	0.50	0.0019	mg/L		08/24/12 08:10	08/27/12 14:30	1
Selenium	0.00548	J	0.25	0.0041	mg/L		08/24/12 08:10	08/27/12 14:30	1
Silver	0.50	U	0.50	0.0022	mg/L		08/24/12 08:10	08/27/12 14:30	1

Lab Sample ID: 240-13797-26 MS

Matrix: Solid

Analysis Batch: 55762

Client Sample ID: LLI01-BERM-01-SSWC

Prep Type: TCLP

Prep Batch: 55571

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.0079	J	5.00	4.93		mg/L		98	50 - 150
Barium	0.57	J B	50.0	49.5	J	mg/L		98	50 - 150
Cadmium	0.0027	J	1.00	1.04		mg/L		103	50 - 150
Chromium	0.50	U	5.00	5.03		mg/L		101	50 - 150
Lead	0.15	J	5.00	5.16		mg/L		100	50 - 150
Selenium	0.0068	J B	1.00	1.00	J	mg/L		100	50 - 150
Silver	0.50	U	1.00	1.02	J	mg/L		102	50 - 150

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: HW LAKE LINDEN

TestAmerica Job ID: 240-13797-2

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

Lab Sample ID: 240-13797-26 MSD

Matrix: Solid

Analysis Batch: 55762

Client Sample ID: LLI01-BERM-01-SSWC

Prep Type: TCLP

Prep Batch: 55571

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	0.0079	J	5.00	4.72		mg/L		94	50 - 150	4	20
Barium	0.57	J B	50.0	47.2	J	mg/L		93	50 - 150	5	20
Cadmium	0.0027	J	1.00	0.991		mg/L		99	50 - 150	5	20
Chromium	0.50	U	5.00	4.80		mg/L		96	50 - 150	5	20
Lead	0.15	J	5.00	4.92		mg/L		95	50 - 150	5	20
Selenium	0.0068	J B	1.00	0.969	J	mg/L		96	50 - 150	3	20
Silver	0.50	U	1.00	0.958	J	mg/L		96	50 - 150	7	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 240-55572/2-A

Matrix: Solid

Analysis Batch: 56050

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 55572

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0020	U	0.0020	0.00012	mg/L		08/24/12 13:15	08/28/12 11:29	1

Lab Sample ID: LCS 240-55572/3-A

Matrix: Solid

Analysis Batch: 56050

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 55572

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00500	0.00453		mg/L		91	50 - 150

Lab Sample ID: LB 240-55528/1-D LB

Matrix: Solid

Analysis Batch: 56050

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 55572

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0020	U	0.0020	0.00012	mg/L		08/24/12 13:15	08/28/12 11:28	1

Lab Sample ID: 240-13797-26 MS

Matrix: Solid

Analysis Batch: 56050

Client Sample ID: LLI01-BERM-01-SSWC

Prep Type: TCLP

Prep Batch: 55572

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.0020	U H	0.00500	0.00458		mg/L		92	50 - 150

Lab Sample ID: 240-13797-26 MSD

Matrix: Solid

Analysis Batch: 56050

Client Sample ID: LLI01-BERM-01-SSWC

Prep Type: TCLP

Prep Batch: 55572

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.0020	U H	0.00500	0.00458		mg/L		92	50 - 150	0	20

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: HW LAKE LINDEN

TestAmerica Job ID: 240-13797-2

Method: 1010 - Ignitability, Pensky-Martens Closed-Cup Method

Lab Sample ID: LCS 240-55775/1

Matrix: Solid

Analysis Batch: 55775

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Flashpoint	81.0	82.00		Degrees F		101	97 - 103

Method: 9095A - Paint Filter

Lab Sample ID: 240-13797-26 DU

Matrix: Solid

Analysis Batch: 56255

Client Sample ID: LLI01-BERM-01-SSWC

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Free Liquid	NEG		NEG		NONE		NC	20

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: HW LAKE LINDEN

TestAmerica Job ID: 240-13797-2

Metals

Leach Batch: 55528

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13797-26	LLI01-BERM-01-SSWC	TCLP	Solid	1311	
240-13797-26 MS	LLI01-BERM-01-SSWC	TCLP	Solid	1311	
240-13797-26 MSD	LLI01-BERM-01-SSWC	TCLP	Solid	1311	
240-13797-27	LLI01-BERM-02-SSWC	TCLP	Solid	1311	
LB 240-55528/1-B LB	Method Blank	TCLP	Solid	1311	
LB 240-55528/1-D LB	Method Blank	TCLP	Solid	1311	

Prep Batch: 55571

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13797-26	LLI01-BERM-01-SSWC	TCLP	Solid	3010A	55528
240-13797-26 MS	LLI01-BERM-01-SSWC	TCLP	Solid	3010A	55528
240-13797-26 MSD	LLI01-BERM-01-SSWC	TCLP	Solid	3010A	55528
240-13797-27	LLI01-BERM-02-SSWC	TCLP	Solid	3010A	55528
LB 240-55528/1-B LB	Method Blank	TCLP	Solid	3010A	55528
LCS 240-55571/3-A	Lab Control Sample	Total/NA	Solid	3010A	
MB 240-55571/2-A	Method Blank	Total/NA	Solid	3010A	

Prep Batch: 55572

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13797-26	LLI01-BERM-01-SSWC	TCLP	Solid	7470A	55528
240-13797-26 MS	LLI01-BERM-01-SSWC	TCLP	Solid	7470A	55528
240-13797-26 MSD	LLI01-BERM-01-SSWC	TCLP	Solid	7470A	55528
240-13797-27	LLI01-BERM-02-SSWC	TCLP	Solid	7470A	55528
LB 240-55528/1-D LB	Method Blank	TCLP	Solid	7470A	55528
LCS 240-55572/3-A	Lab Control Sample	Total/NA	Solid	7470A	
MB 240-55572/2-A	Method Blank	Total/NA	Solid	7470A	

Analysis Batch: 55762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13797-26	LLI01-BERM-01-SSWC	TCLP	Solid	6010B	55571
240-13797-26 MS	LLI01-BERM-01-SSWC	TCLP	Solid	6010B	55571
240-13797-26 MSD	LLI01-BERM-01-SSWC	TCLP	Solid	6010B	55571
240-13797-27	LLI01-BERM-02-SSWC	TCLP	Solid	6010B	55571
LB 240-55528/1-B LB	Method Blank	TCLP	Solid	6010B	55571
LCS 240-55571/3-A	Lab Control Sample	Total/NA	Solid	6010B	55571
MB 240-55571/2-A	Method Blank	Total/NA	Solid	6010B	55571

Analysis Batch: 56050

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13797-26	LLI01-BERM-01-SSWC	TCLP	Solid	7470A	55572
240-13797-26 MS	LLI01-BERM-01-SSWC	TCLP	Solid	7470A	55572
240-13797-26 MSD	LLI01-BERM-01-SSWC	TCLP	Solid	7470A	55572
240-13797-27	LLI01-BERM-02-SSWC	TCLP	Solid	7470A	55572
LB 240-55528/1-D LB	Method Blank	TCLP	Solid	7470A	55572
LCS 240-55572/3-A	Lab Control Sample	Total/NA	Solid	7470A	55572
MB 240-55572/2-A	Method Blank	Total/NA	Solid	7470A	55572

General Chemistry

Analysis Batch: 55775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13797-26	LLI01-BERM-01-SSWC	Total/NA	Solid	1010	

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: HW LAKE LINDEN

TestAmerica Job ID: 240-13797-2

General Chemistry (Continued)

Analysis Batch: 55775 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13797-27	LLI01-BERM-02-SSWC	Total/NA	Solid	1010	
LCS 240-55775/1	Lab Control Sample	Total/NA	Solid	1010	

Analysis Batch: 56255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13797-26	LLI01-BERM-01-SSWC	Total/NA	Solid	9095A	
240-13797-26 DU	LLI01-BERM-01-SSWC	Total/NA	Solid	9095A	
240-13797-27	LLI01-BERM-02-SSWC	Total/NA	Solid	9095A	

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: HW LAKE LINDEN

TestAmerica Job ID: 240-13797-2

Client Sample ID: LLI01-BERM-01-SSWC

Lab Sample ID: 240-13797-26

Date Collected: 07/30/12 14:26

Matrix: Solid

Date Received: 08/03/12 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			55528	08/23/12 15:07	BF	TAL NC
TCLP	Prep	3010A			55571	08/24/12 08:10	LM	TAL NC
TCLP	Analysis	6010B		1	55762	08/27/12 14:47	KC	TAL NC
TCLP	Prep	7470A			55572	08/24/12 13:15	LM	TAL NC
TCLP	Analysis	7470A		1	56050	08/28/12 11:33	BD	TAL NC
Total/NA	Analysis	1010		1	55775	08/27/12 10:20	TH	TAL NC
Total/NA	Analysis	9095A		1	56255	08/30/12 09:18	TH	TAL NC

Client Sample ID: LLI01-BERM-02-SSWC

Lab Sample ID: 240-13797-27

Date Collected: 07/30/12 15:50

Matrix: Solid

Date Received: 08/03/12 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			55528	08/23/12 15:07	BF	TAL NC
TCLP	Prep	3010A			55571	08/24/12 08:10	LM	TAL NC
TCLP	Analysis	6010B		1	55762	08/27/12 15:09	KC	TAL NC
TCLP	Prep	7470A			55572	08/24/12 13:15	LM	TAL NC
TCLP	Analysis	7470A		1	56050	08/28/12 11:42	BD	TAL NC
Total/NA	Analysis	1010		1	55775	08/27/12 10:48	TH	TAL NC
Total/NA	Analysis	9095A		1	56255	08/30/12 09:21	TH	TAL NC

Laboratory References:

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

Certification Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: HW LAKE LINDEN

TestAmerica Job ID: 240-13797-2

Laboratory: TestAmerica Canton

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

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAC	9	01144CA	06-30-13
Connecticut	State Program	1	PH-0590	12-31-13
Florida	NELAC	4	E87225	06-30-13
Georgia	State Program	4	N/A	06-30-13
Illinois	NELAC	5	200004	07-31-13
Kansas	NELAC	7	E-10336	01-31-13
Kentucky	State Program	4	58	11-16-12
L-A-B	DoD ELAP		L2315	02-28-13
Minnesota	NELAC	5	039-999-348	12-31-12
Nevada	State Program	9	OH-000482008A	07-31-12
New Jersey	NELAC	2	OH001	06-30-13
New York	NELAC	2	10975	04-01-13
Ohio VAP	State Program	5	CL0024	01-19-14
USDA	Federal		P330-11-00328	08-26-14
Virginia	NELAC	3	460175	09-14-12
Washington	State Program	10	C971	01-12-13
West Virginia DEP	State Program	3	210	12-31-12

Chain of Custody Record

North Canton

TestAmerica Laboratory location: Regulatory program:

☐ DW ☐ NPDES ☐ RCRA ☐ Other

Client Contact Company Name: <u>Amec</u> Address: <u>45650 Magellan Dr Ste 140</u> City/State/Zip: <u>Norri, MI 48377</u> Phone: <u>248-976-4100</u> Project Name: <u>AW Lake Linden</u> Project Number: <u>2012-011440</u> PO# <u>DMR-BAW to Honeywell</u>		Client Project Manager: Name: <u>Dan Dyer</u> Telephone: <u></u> Email: <u>dan.dyer@amec.com</u> Method of Shipment/Carrier: <u>FedEx</u> Shipping/Tracking No: <u></u>		Site Contact: Name: <u>Mark Loeb</u> Telephone: <u></u>		TestAmerica Laboratories, Inc. COC No: <u>044075</u> of <u>1</u> COCs			
Sample Identification Sample ID: <u>U101-47NE-0006-SSXX</u> <u>U102-66SE-0006-SSXX</u> <u>U101-66SE-0602-SSXX</u> <u>U101-66XX-0006-SSXX</u> <u>U101-66XX-0602-SSXX</u> <u>U101-57NW-0006-SSXX</u> <u>U101-57NW-0602-SSXX</u> <u>U101-57NW-0205-SSXX</u> <u>U101-57NW-0205-SSMS</u> <u>U102-57NW-0205-SSMD</u>		Sample Date <u>7/29/12</u> <u>8/7</u> <u>8/29</u> <u>8/30</u> <u>8/35</u> <u>8/37</u> <u>8/49</u> <u>8/50</u> <u>8/51</u> <u>8/52</u> <u>8/53</u>		Matrix Air <input type="checkbox"/> Aqueous <input type="checkbox"/> Sediment <input type="checkbox"/> Solid <input type="checkbox"/> Other: <input type="checkbox"/>		Containers & Preservatives H2SO4 <input type="checkbox"/> HNO3 <input type="checkbox"/> HCl <input type="checkbox"/> NaOH <input type="checkbox"/> ZnAc <input type="checkbox"/> H2O2 <input type="checkbox"/> Other: <input type="checkbox"/>		Analysis Turnaround Time TAT if different from below: <u>Standard</u> <input type="checkbox"/> 3 weeks <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day	
Analyses Waste characterization <input checked="" type="checkbox"/> Shits/Leak B <input checked="" type="checkbox"/> Composite C/Grab G <input checked="" type="checkbox"/> Filtered Sample (Y/N) <input checked="" type="checkbox"/>		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input checked="" type="checkbox"/> Return to Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For <input type="checkbox"/> Months:		Sample Specific Notes / Special Instructions: hold hold		For lab use only: Walk-in storage <input type="checkbox"/> Lab pickup <input type="checkbox"/> Lab sampling <input type="checkbox"/> Job SDOG No:			

hold waste characterization

Relinquished by: <u>Mark Loeb</u> Date/Time: <u>8/1/12 1530</u> Company: <u>Amec</u>	Received by: <u>FedEx</u> Date/Time: <u></u> Company: <u></u>
Relinquished by: <u>Mark Loeb</u> Date/Time: <u></u> Company: <u></u>	Received by: <u>Mark Loeb</u> Date/Time: <u></u> Company: <u></u>
Relinquished by: <u>Mark Loeb</u> Date/Time: <u></u> Company: <u></u>	Received by: <u>Mark Loeb</u> Date/Time: <u></u> Company: <u></u>

Chain of Custody Record

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

Client Contact Company Name: <u>Amec</u> Address: <u>46850 Magellan</u> City/State/Zip: <u>Novi MI</u> Phone: <u>248-926-4008</u> Project Name: <u>HW Lake Linden</u> Project Number: <u>PO# Direct Bill to HAN</u>		Client Project Manager: Name: <u>Dan Dyer</u> Telephone: <u></u> Email: <u>dan.dyer@amec.com</u>		Site Contact: Name: <u></u> Telephone: <u></u>		Lab Contact: Name: <u></u> Telephone: <u></u>		TestAmerica Laboratories, Inc. COC No: <u>044098</u> 2 of 4 COCs	
Analysis Information TAT if from below: <u>3 weeks</u> 3 weeks <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day <input type="checkbox"/>		Analysis Information TAT if from below: <u>3 weeks</u> 3 weeks <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day <input type="checkbox"/>		Analyses For release only: <input type="checkbox"/> Waste analysis: <input type="checkbox"/> Lab pickup: <input type="checkbox"/> Lab sampling: <input type="checkbox"/> Lab SDC No: <u></u>		Sample Specific Notes / Special Instructions: <u>Waste characterization</u> <u>SP, AS, Cu, Fe, Pb</u> <u>hold</u> <u>hold</u> <u>hold</u> <u>hold</u>			
Sample Identification Sample Date: <u>7/30/12</u> Sample Time: <u>858</u> Sample ID: <u>11101-57SE-0006-SSXX</u> Sample ID: <u>11101-57SE-0602-SSXX</u> Sample ID: <u>11101-57SE-0205-SSXX</u> Sample ID: <u>11101-57XX-0006-SSWC</u> Sample ID: <u>11101-57XX-0602-SSWC</u> Sample ID: <u>11101-105E-0006-SSXX</u> Sample ID: <u>11101-105E-0602-SSXX</u> Sample ID: <u>11101-105E-0205-SSXX</u> Sample ID: <u>11101-10XX-0006-SSWC</u> Sample ID: <u>11101-10XX-0602-SSWC</u>		Matrix Air <input type="checkbox"/> Aquous <input type="checkbox"/> Sediment <input type="checkbox"/> Solid <input type="checkbox"/> Other: <u>X</u>		Containers & Preservatives HCl <input type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> LiOH <input type="checkbox"/> Tires <input type="checkbox"/> Other: <u>1</u>		Filtered Sample (Y/N) <u>Y</u> <u>Y</u> <u>Y</u> <u>Y</u> <u>Y</u> <u>Y</u> <u>Y</u> <u>Y</u> <u>Y</u> <u>Y</u>		Sample Disposal Return to Client <input type="checkbox"/> Disposal By Lab <input checked="" type="checkbox"/> Archive For <u>Months</u>	
Possible Hazard Identification <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/>									
Special Instructions/QC Requirements & Comments: <u>Waste characterization</u>									
Relinquished by: <u>Amec</u> Date/Time: <u>8/1/12 1530</u>		Relinquished by: <u>Amec</u> Date/Time: <u>8/1/12 1530</u>		Relinquished by: <u>Amec</u> Date/Time: <u>8/1/12 1530</u>		Relinquished by: <u>Amec</u> Date/Time: <u>8/1/12 1530</u>		Relinquished by: <u>Amec</u> Date/Time: <u>8/1/12 1530</u>	

Chain of Custody Record

North Canton

TestAmerica Laboratory location:

Regulatory program:

RCRA

RCRA

Other ☐

Other ☐

—

—

[illegible]

Chain of Custody Record

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

Client Contact Company Name: <u>Amec</u> Address: <u>46850 Magellan</u> City/State/Zip: <u>Novi MI</u> Phone: <u>248-926-4008</u> Project Name: <u>HW Lake Linder</u> Project Number: <u>3703111440</u> PO# <u>Direct Bill to HAN</u>		Client Project Manager: Name: <u>Dan Dyer</u> Telephone: <u></u> Email: <u>dan.dyer@amec.com</u> Method of Shipment/Carrier: <u>FedEx</u> Shipping/Tracking No: <u></u>		Site Contact: Name: <u>Mark Loeb</u> Telephone: <u></u>		Lab Contact: Name: <u>Mark Loeb</u> Telephone: <u></u>		TestAmerica Laboratories, Inc. COC No: <u>044096</u> of <u>4</u> COCs			
Sample Identification Sample Number: <u>LL101-BERM-01-SSWC</u> Sample Number: <u>LL101-BERM-02-SSWC</u>		Matrix Air <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Sediment <input type="checkbox"/> Other: <u></u> Aqueous <input type="checkbox"/> Other: <u></u>		Containers & Preservatives H2SO4 <input type="checkbox"/> HNO3 <input type="checkbox"/> HCl <input type="checkbox"/> ZnAc <input type="checkbox"/> NaOH <input type="checkbox"/> TiPres <input type="checkbox"/> Other: <u></u>		Analysis Turnaround Time (in BLS-days) TAT if different from below: <u>Standard</u> 3 weeks <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day <input type="checkbox"/>		Analyses PH, specific gravity <input checked="" type="checkbox"/> Total solids, free liquids <input checked="" type="checkbox"/> Flash Pt, reactive solids <input checked="" type="checkbox"/> Reactive cyanide <input checked="" type="checkbox"/> TCLP RCRA Metals <input checked="" type="checkbox"/>		Sample Specific Notes / Special Instructions: Samples labeled "BERM" run immediately PH, reactive cyanide, and reactive sulfide, please hold everything else	
Relinquished by: <u>[Signature]</u> Date/Time: <u>8/1/12 1530</u> Company: <u>Amec</u>		Received by: <u>[Signature]</u> Date/Time: <u>8/1/12 1530</u> Company: <u>Amec</u>		Relinquished by: <u>[Signature]</u> Date/Time: <u>8/1/12 1530</u> Company: <u>Amec</u>		Received by: <u>[Signature]</u> Date/Time: <u>8/1/12 1530</u> Company: <u>Amec</u>		Relinquished by: <u>[Signature]</u> Date/Time: <u>8/1/12 1530</u> Company: <u>Amec</u>			

TestAmerica North Canton Sample Receipt Form/Narrative

Login #: 13777

Client AMEC

Site Name LAKE LINDEN

By: Matthew Gray
(Signature)

Cooler Received on 3 AUG 2012

Opened on 3 AUG 2012

FedEx: 1st Grd ☒ Exp ☐ UPS ☐ FAS ☐ Stetson ☐ Client Drop Off ☐ TestAmerica Courier ☐ Other ☐TestAmerica Cooler # ~~BACK~~ Foam Box ☐ Client Cooler ☐ Box ☐ Other ☐Packing material used: ☒ Bubble Wrap ☐ Foam ☒ Plastic Bag ☐ None ☐ Other ☐COOLANT: ☐ Wet Ice ☐ Blue Ice ☐ Dry Ice ☒ Water ☐ None ☐

1. Cooler temperature upon receipt

IR GUN# 1 (CF 0°C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C

IR GUN# 4G (CF -1°C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C

IR GUN# 5G (CF -1°C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C

IR GUN# 8 (CF 0°C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C

☒ Multiple
on Back2. Were custody seals on the outside of the cooler(s)? If Yes Quantity 2Yes ☒ No ☐-Were custody seals on the outside of the cooler(s) signed & dated? Yes ☒ No ☐ NA ☐-Were custody seals on the bottle(s)? Yes ☒ No ☐

3. Shippers' packing slip attached to the cooler(s)?

Yes ☒ No ☐

4. Did custody papers accompany the sample(s)?

Yes ☒ No ☐

5. Were the custody papers relinquished & signed in the appropriate place?

Yes ☒ No ☐

6. Did all bottles arrive in good condition (Unbroken)?

Yes ☒ No ☐

7. Could all bottle labels be reconciled with the COC?

Yes ☒ No ☐

8. Were correct bottle(s) used for the test(s) indicated?

Yes ☒ No ☐

9. Sufficient quantity received to perform indicated analyses?

Yes ☒ No ☐

10. Were sample(s) at the correct pH upon receipt?

Yes ☐ No ☒ NA ☐

11. Were VOAs on the COC?

Yes ☒ No ☐

12. Were air bubbles >6 mm in any VOA vials?

Yes ☐ No ☒ NA ☐

13. Was a trip blank present in the cooler(s)?

Yes ☐ No ☒Contacted PM MJL Date 8/3/12 by TB via ☒ Verbal ☐ Voice Mail ☐ Other ☐Concerning high temp + #14

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

HIGH TEMP (INSUFFICIENT COOLANT) WATER AS COOLANTJAR REPAIRED (JELLO SHATTERED 25ml) / OPEN IN BUBBLE WRAP
LL101 - 04 XX - 0602 - 55 WRLID REPLACED (CRACKED EDGE) LL101 - UXX - 0602 - 55 WR~~JELLO (X60ml) TOTAL SOLID NOT A COC~~LL101 - D134 - XXXX - 55 FDNot on this Job
Will Log w/ samplesfrom 8/1/12

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

Login Sample Receipt Checklist

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-13797-2

Login Number: 13797

List Source: TestAmerica Canton

List Number: 1

Creator: Burns, Terry

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Canton

4101 Shuffel Street NW

North Canton, OH 44720

Tel: (330)497-9396

TestAmerica Job ID: 240-13809-2

Client Project/Site: HW LAKE LINDEN

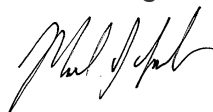
For:

AMEC Environment & Infrastructure, Inc.

46850 Magellan Drive, Suite 190

Novi, Michigan 48377

Attn: Doug Saigh



Authorized for release by:

8/31/2012 2:29:43 PM

Mark Loeb

Project Manager II

mark.loeb@testamericainc.com

LINKS

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results through

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

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

1
2
3
4
5
6
7
8
9
10
11
12
13
14

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Method Summary	6
Sample Summary	7
Detection Summary	8
Client Sample Results	9
QC Sample Results	10
QC Association Summary	11
Lab Chronicle	12
Certification Summary	13
Chain of Custody	15
Receipt Checklists	18



Definitions/Glossary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: HW LAKE LINDEN

TestAmerica Job ID: 240-13809-2

Qualifiers

General Chemistry

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: HW LAKE LINDEN

TestAmerica Job ID: 240-13809-2

Job ID: 240-13809-2

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: AMEC Environment & Infrastructure, Inc.

Project: HW LAKE LINDEN

Report Number: 240-13809-2

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

The 9012 Reactive Cyanide and 9034 Reactive Sulfide analysis were performed at the TestAmerica Buffalo Laboratory.

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

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

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

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

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

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

RECEIPT

The samples were received on 08/03/2012; the samples arrived in good condition and properly preserved. The temperatures of the coolers at receipt were 10.2 and 13.6 C.

FLASHPOINT

Sample LLI01-BERM-04-SSWC (240-13809-2) was analyzed for flashpoint in accordance with EPA SW-846 Method 1010. The samples were analyzed on 08/27/2012.

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

REACTIVE CYANIDE

Sample LLI01-BERM-04-SSWC (240-13809-2) was analyzed for reactive cyanide in accordance with EPA SW-846 Method 7.3.3. The samples were prepared and analyzed on 08/23/2012.

The following sample was prepared and analyzed outside the method defined holding time because the request for the test was made after the holding time for the sample expired. LLI01-BERM-04-SSWC (240-13809-2).

Case Narrative

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: HW LAKE LINDEN

TestAmerica Job ID: 240-13809-2

Job ID: 240-13809-2 (Continued)

Laboratory: TestAmerica Canton (Continued)

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

REACTIVE SULFIDE

Sample LLI01-BERM-04-SSWC (240-13809-2) was analyzed for reactive sulfide in accordance with EPA SW-846 Method 7.3.4. The samples were prepared on 08/23/2012 and analyzed on 08/24/2012.

The following sample was prepared and analyzed outside the method defined holding time because the request for the test was made after the holding time for the sample had expired. LLI01-BERM-04-SSWC (240-13809-2).

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

PH

Sample LLI01-BERM-04-SSWC (240-13809-2) was analyzed for pH in accordance with EPA SW-846 Method 9045C. The samples were analyzed on 08/22/2012.

The following sample was analyzed outside the method defined holding time because the request for the test was made after the holding time for the sample expired: LLI01-BERM-04-SSWC (240-13809-2).

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

PAINT FILTER

Sample LLI01-BERM-04-SSWC (240-13809-2) was analyzed for paint filter in accordance with EPA SW-846 Method 9095A. The samples were analyzed on 08/30/2012.

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

PERCENT SOLIDS

Sample LLI01-BERM-04-SSWC (240-13809-2) was analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 08/06/2012.

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

Method Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: HW LAKE LINDEN

TestAmerica Job ID: 240-13809-2

Method	Method Description	Protocol	Laboratory
1010	Ignitability, Pensky-Martens Closed-Cup Method	SW846	TAL NC
9012	Cyanide, Reactive	SW846	TAL BUF
9034	Sulfide, Reactive	SW846	TAL BUF
9045C	pH	SW846	TAL NC
9095A	Paint Filter	SW846	TAL NC
Moisture	Percent Moisture	EPA	TAL NC

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

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

Sample Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: HW LAKE LINDEN

TestAmerica Job ID: 240-13809-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-13809-2	LLI01-BERM-04-SSWC	Solid	07/31/12 09:45	08/03/12 09:15

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Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: HW LAKE LINDEN

TestAmerica Job ID: 240-13809-2

Client Sample ID: LLI01-BERM-04-SSWC

Lab Sample ID: 240-13809-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Flashpoint	>180		1.00	1.00	Degrees F	1		1010	Total/NA
pH	7.84	H	0.100	0.100	SU	1		9045C	Total/NA
Free Liquid	NEG		0.10	0.10	NONE	1		9095A	Total/NA

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: HW LAKE LINDEN

TestAmerica Job ID: 240-13809-2

Client Sample ID: LLI01-BERM-04-SSWC

Lab Sample ID: 240-13809-2

Date Collected: 07/31/12 09:45

Matrix: Solid

Date Received: 08/03/12 09:15

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>180		1.00	1.00	Degrees F			08/27/12 12:39	1
Cyanide, Reactive	10	U H	10	0.0030	mg/Kg		08/23/12 17:10	08/23/12 23:02	1
Sulfide, Reactive	10	U H	10	0.57	mg/Kg		08/23/12 17:10	08/24/12 01:45	1
pH	7.84	H	0.100	0.100	SU			08/22/12 15:45	1
Free Liquid	NEG		0.10	0.10	NONE			08/30/12 09:25	1

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: HW LAKE LINDEN

TestAmerica Job ID: 240-13809-2

Method: 1010 - Ignitability, Pensky-Martens Closed-Cup Method

Lab Sample ID: LCS 240-55775/1

Matrix: Solid

Analysis Batch: 55775

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Flashpoint	81.0	82.00		Degrees F		101	97 - 103

Method: 9012 - Cyanide, Reactive

Lab Sample ID: MB 480-77986/2-A

Matrix: Solid

Analysis Batch: 77988

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 77986

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	10	U	10	0.0030	mg/Kg		08/23/12 17:10	08/23/12 23:02	1

Lab Sample ID: LCS 480-77986/1-A

Matrix: Solid

Analysis Batch: 77988

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 77986

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Reactive	1000	483		mg/Kg		48	10 - 100

Method: 9034 - Sulfide, Reactive

Lab Sample ID: MB 480-77987/2-A

Matrix: Solid

Analysis Batch: 77992

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 77987

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	10	U	10	0.57	mg/Kg		08/23/12 17:10	08/24/12 01:45	1

Lab Sample ID: LCS 480-77987/1-A

Matrix: Solid

Analysis Batch: 77992

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 77987

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide, Reactive	1000	751		mg/Kg		75	10 - 100

Method: 9045C - pH

Lab Sample ID: LCS 240-55348/2

Matrix: Solid

Analysis Batch: 55348

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
pH	7.49	7.480		SU		100	97 - 103

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: HW LAKE LINDEN

TestAmerica Job ID: 240-13809-2

General Chemistry

Analysis Batch: 53423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13809-2	LLI01-BERM-04-SSWC	Total/NA	Solid	Moisture	

Analysis Batch: 55348

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13809-2	LLI01-BERM-04-SSWC	Total/NA	Solid	9045C	
LCS 240-55348/2	Lab Control Sample	Total/NA	Solid	9045C	

Analysis Batch: 55775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13809-2	LLI01-BERM-04-SSWC	Total/NA	Solid	1010	
LCS 240-55775/1	Lab Control Sample	Total/NA	Solid	1010	

Analysis Batch: 56255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13809-2	LLI01-BERM-04-SSWC	Total/NA	Solid	9095A	

Prep Batch: 77986

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13809-2	LLI01-BERM-04-SSWC	Total/NA	Solid	7.3.3	
LCS 480-77986/1-A	Lab Control Sample	Total/NA	Solid	7.3.3	
MB 480-77986/2-A	Method Blank	Total/NA	Solid	7.3.3	

Prep Batch: 77987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13809-2	LLI01-BERM-04-SSWC	Total/NA	Solid	7.3.4	
LCS 480-77987/1-A	Lab Control Sample	Total/NA	Solid	7.3.4	
MB 480-77987/2-A	Method Blank	Total/NA	Solid	7.3.4	

Analysis Batch: 77988

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13809-2	LLI01-BERM-04-SSWC	Total/NA	Solid	9012	77986
LCS 480-77986/1-A	Lab Control Sample	Total/NA	Solid	9012	77986
MB 480-77986/2-A	Method Blank	Total/NA	Solid	9012	77986

Analysis Batch: 77992

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13809-2	LLI01-BERM-04-SSWC	Total/NA	Solid	9034	77987
LCS 480-77987/1-A	Lab Control Sample	Total/NA	Solid	9034	77987
MB 480-77987/2-A	Method Blank	Total/NA	Solid	9034	77987

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: HW LAKE LINDEN

TestAmerica Job ID: 240-13809-2

Client Sample ID: LLI01-BERM-04-SSWC

Lab Sample ID: 240-13809-2

Date Collected: 07/31/12 09:45

Matrix: Solid

Date Received: 08/03/12 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	53423	08/06/12 16:00	AM	TAL NC
Total/NA	Analysis	9045C		1	55348	08/22/12 15:45	LG	TAL NC
Total/NA	Analysis	1010		1	55775	08/27/12 12:39	TH	TAL NC
Total/NA	Analysis	9095A		1	56255	08/30/12 09:25	TH	TAL NC
Total/NA	Prep	7.3.3			77986	08/23/12 17:10	LAW	TAL BUF
Total/NA	Analysis	9012		1	77988	08/23/12 23:02	LAW	TAL BUF
Total/NA	Prep	7.3.4			77987	08/23/12 17:10	LAW	TAL BUF
Total/NA	Analysis	9034		1	77992	08/24/12 01:45	LAW	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

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

Certification Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: HW LAKE LINDEN

TestAmerica Job ID: 240-13809-2

Laboratory: TestAmerica Canton

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

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAC	9	01144CA	06-30-13
Connecticut	State Program	1	PH-0590	12-31-13
Florida	NELAC	4	E87225	06-30-13
Georgia	State Program	4	N/A	06-30-13
Illinois	NELAC	5	200004	07-31-13
Kansas	NELAC	7	E-10336	01-31-13
Kentucky	State Program	4	58	11-16-12
L-A-B	DoD ELAP		L2315	02-28-13
Minnesota	NELAC	5	039-999-348	12-31-12
Nevada	State Program	9	OH-000482008A	07-31-12
New Jersey	NELAC	2	OH001	06-30-13
New York	NELAC	2	10975	04-01-13
Ohio VAP	State Program	5	CL0024	01-19-14
USDA	Federal		P330-11-00328	08-26-14
Virginia	NELAC	3	460175	09-14-12
Washington	State Program	10	C971	01-12-13
West Virginia DEP	State Program	3	210	12-31-12

Laboratory: TestAmerica Buffalo

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-13
California	NELAC	9	1169CA	09-30-12
Connecticut	State Program	1	PH-0568	09-30-12
Florida	NELAC	4	E87672	06-30-13
Georgia	State Program	4	N/A	03-31-13
Georgia	State Program	4	956	03-31-12
Illinois	NELAC	5	200003	09-30-12
Iowa	State Program	7	374	03-01-13
Kansas	NELAC	7	E-10187	01-31-13
Kentucky	State Program	4	90029	12-31-12
Kentucky (UST)	State Program	4	30	04-01-13
Louisiana	NELAC	6	02031	06-30-13
Maine	State Program	1	NY00044	12-04-12
Maryland	State Program	3	294	03-31-13
Massachusetts	State Program	1	M-NY044	06-30-13
Michigan	State Program	5	9937	04-01-13
Minnesota	NELAC	5	036-999-337	12-31-12
New Hampshire	NELAC	1	2973	09-11-12
New Hampshire	NELAC	1	2337	11-17-12
New Jersey	NELAC	2	NY455	06-30-13
New York	NELAC	2	10026	03-31-13
North Dakota	State Program	8	R-176	03-31-13
Oklahoma	State Program	6	9421	08-31-12
Oregon	NELAC	10	NY200003	06-09-13
Pennsylvania	NELAC	3	68-00281	07-31-13
Tennessee	State Program	4	TN02970	04-01-13
Texas	NELAC	6	T104704412-11-2	07-31-13
USDA	Federal		P330-11-00386	11-22-14
Virginia	NELAC	3	460185	09-14-12
Washington	State Program	10	C784	02-10-13
West Virginia DEP	State Program	3	252	09-30-12

Certification Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: HW LAKE LINDEN

TestAmerica Job ID: 240-13809-2

Laboratory: TestAmerica Buffalo (Continued)

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Wisconsin	State Program	5	998310390	08-31-12

TestAmerica North Canton Sample Receipt Form/Narrative

Login # : 13809

Client AMEC

Site Name LAKE LINDEN

By: Matthew [Signature]
(Signature)

Cooler Received on 3 AUG 2012 Opened on 3 AUG 2012

FedEx: 1st Grd Exp UPS FAS Stetson Client Drop Off TestAmerica Courier Other

TestAmerica Cooler # BACK Foam Box Client Cooler Box Other

Packing material used: Bubble Wrap Foam Plastic Bag None Other

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# 1 (CF 0°C) Observed Sample Temp. °C Corrected Sample Temp. °C

IR GUN# 4G (CF -1°C) Observed Sample Temp. °C Corrected Sample Temp. °C

IR GUN# 5G (CF -1°C) Observed Sample Temp. °C Corrected Sample Temp. °C

IR GUN# 8 (CF 0°C) Observed Sample Temp. °C Corrected Sample Temp. °C

X Multiple
on Back

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity 2

Yes No

-Were custody seals on the outside of the cooler(s) signed & dated? Yes No NA

-Were custody seals on the bottle(s)? Yes No

3. Shippers' packing slip attached to the cooler(s)?

Yes No

4. Did custody papers accompany the sample(s)?

Yes No

5. Were the custody papers relinquished & signed in the appropriate place?

Yes No

6. Did all bottles arrive in good condition (Unbroken)?

Yes No

7. Could all bottle labels be reconciled with the COC?

Yes No

8. Were correct bottle(s) used for the test(s) indicated?

Yes No

9. Sufficient quantity received to perform indicated analyses?

Yes No

10. Were sample(s) at the correct pH upon receipt?

Yes No NA

11. Were VOAs on the COC?

Yes No

12. Were air bubbles >6 mm in any VOA vials?

Yes No NA

13. Was a trip blank present in the cooler(s)?

Yes No

Contacted PM MJL Date 8/3/12 by TB

Concerning Temp via Verbal Voice Mail Other

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

HIGH TEMP (INSUFFICIENT COOLANT) WATER AS COOLANT

15. SAMPLE CONDITION

Sample(s) were received after the recommended holding time had expired.

Sample(s) were received in a broken container.

Sample(s) were received with bubble >6 mm in diameter. (Notify PM)

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Login Sample Receipt Checklist

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-13809-2

Login Number: 13809

List Source: TestAmerica Canton

List Number: 1

Creator: Burns, Terry

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

Login Sample Receipt Checklist

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-13809-2

Login Number: 13809

List Number: 1

Creator: Robison, Zachary

List Source: TestAmerica Buffalo

List Creation: 08/07/12 02:48 PM

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-13809-2

Login Number: 13809

List Number: 2

Creator: Robison, Zachary

List Source: TestAmerica Buffalo

List Creation: 08/23/12 03:27 PM

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Canton

4101 Shuffel Street NW

North Canton, OH 44720

Tel: (330)497-9396

TestAmerica Job ID: 240-13811-2

Client Project/Site: HW LAKE LINDEN

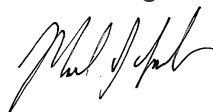
For:

AMEC Environment & Infrastructure, Inc.

46850 Magellan Drive, Suite 190

Novi, Michigan 48377

Attn: Doug Saigh



Authorized for release by:

8/31/2012 3:29:55 PM

Mark Loeb

Project Manager II

mark.loeb@testamericainc.com

LINKS

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results through

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

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

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Method Summary	6
Sample Summary	7
Detection Summary	8
Client Sample Results	9
QC Sample Results	14
QC Association Summary	16
Lab Chronicle	18
Certification Summary	20
Chain of Custody	22
Receipt Checklists	26



Definitions/Glossary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: HW LAKE LINDEN

TestAmerica Job ID: 240-13811-2

Qualifiers

General Chemistry

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: HW LAKE LINDEN

TestAmerica Job ID: 240-13811-2

Job ID: 240-13811-2

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: AMEC Environment & Infrastructure, Inc.

Project: HW LAKE LINDEN

Report Number: 240-13811-2

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

The 9012 Reactive Cyanide and 9034 Reactive Sulfide analysis were performed at the TestAmerica Buffalo Laboratory.

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

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

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

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

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

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

RECEIPT

The samples were received on 08/03/2012; the samples arrived in good condition and properly preserved. The temperatures of the coolers at receipt were 10.2 and 13.6 C.

FLASHPOINT

Samples LLI01-BERM-08-SSWC (240-13811-1), LLI01-BERM-09-SSWC (240-13811-2), LLI01-BERM-10-SSWC (240-13811-3), LLI01-BERM-11-SSWC (240-13811-4) and LLI01-BERM-12-SSWC (240-13811-5) were analyzed for flashpoint in accordance with EPA SW-846 Method 1010. The samples were analyzed on 08/27/2012 and 08/29/2012.

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

REACTIVE CYANIDE

Samples LLI01-BERM-08-SSWC (240-13811-1), LLI01-BERM-09-SSWC (240-13811-2), LLI01-BERM-10-SSWC (240-13811-3), LLI01-BERM-11-SSWC (240-13811-4) and LLI01-BERM-12-SSWC (240-13811-5) were analyzed for reactive cyanide in accordance with EPA SW-846 Method 7.3.3. The samples were prepared and analyzed on 08/27/2012.

The following samples were received outside of holding time: LLI01-BERM-08-SSWC (240-13811-1), LLI01-BERM-09-SSWC

Case Narrative

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: HW LAKE LINDEN

TestAmerica Job ID: 240-13811-2

Job ID: 240-13811-2 (Continued)

Laboratory: TestAmerica Canton (Continued)

(240-13811-2), LLI01-BERM-10-SSWC (240-13811-3), LLI01-BERM-11-SSWC (240-13811-4), LLI01-BERM-12-SSWC (240-13811-5).

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

REACTIVE SULFIDE

Samples LLI01-BERM-08-SSWC (240-13811-1), LLI01-BERM-09-SSWC (240-13811-2), LLI01-BERM-10-SSWC (240-13811-3), LLI01-BERM-11-SSWC (240-13811-4) and LLI01-BERM-12-SSWC (240-13811-5) were analyzed for reactive sulfide in accordance with EPA SW-846 Method 7.3.4. The samples were prepared on 08/27/2012 and analyzed on 08/28/2012.

The following samples were received outside of holding time: LLI01-BERM-08-SSWC (240-13811-1), LLI01-BERM-09-SSWC (240-13811-2), LLI01-BERM-10-SSWC (240-13811-3), LLI01-BERM-11-SSWC (240-13811-4), LLI01-BERM-12-SSWC (240-13811-5).

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

PH

Samples LLI01-BERM-08-SSWC (240-13811-1), LLI01-BERM-09-SSWC (240-13811-2), LLI01-BERM-10-SSWC (240-13811-3), LLI01-BERM-11-SSWC (240-13811-4) and LLI01-BERM-12-SSWC (240-13811-5) were analyzed for pH in accordance with EPA SW-846 Method 9045C. The samples were analyzed on 08/24/2012.

The following samples were analyzed outside the method defined holding time because the request for the test was made after the holding time for the sample expired: LLI01-BERM-08-SSWC (240-13811-1), LLI01-BERM-09-SSWC (240-13811-2), LLI01-BERM-10-SSWC (240-13811-3), LLI01-BERM-11-SSWC (240-13811-4), LLI01-BERM-12-SSWC (240-13811-5). The results are reported.

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

PAINT FILTER

Samples LLI01-BERM-08-SSWC (240-13811-1), LLI01-BERM-09-SSWC (240-13811-2), LLI01-BERM-10-SSWC (240-13811-3), LLI01-BERM-11-SSWC (240-13811-4) and LLI01-BERM-12-SSWC (240-13811-5) were analyzed for paint filter in accordance with EPA SW-846 Method 9095A. The samples were analyzed on 08/30/2012.

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

PERCENT SOLIDS

Samples LLI01-BERM-08-SSWC (240-13811-1), LLI01-BERM-09-SSWC (240-13811-2), LLI01-BERM-10-SSWC (240-13811-3), LLI01-BERM-11-SSWC (240-13811-4) and LLI01-BERM-12-SSWC (240-13811-5) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 08/06/2012.

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

Method Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: HW LAKE LINDEN

TestAmerica Job ID: 240-13811-2

Method	Method Description	Protocol	Laboratory
1010	Ignitability, Pensky-Martens Closed-Cup Method	SW846	TAL NC
9012	Cyanide, Reactive	SW846	TAL BUF
9034	Sulfide, Reactive	SW846	TAL BUF
9045C	pH	SW846	TAL NC
9095A	Paint Filter	SW846	TAL NC
Moisture	Percent Moisture	EPA	TAL NC

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

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

Sample Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: HW LAKE LINDEN

TestAmerica Job ID: 240-13811-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-13811-1	LLI01-BERM-08-SSWC	Solid	08/01/12 07:15	08/03/12 09:15
240-13811-2	LLI01-BERM-09-SSWC	Solid	08/01/12 08:25	08/03/12 09:15
240-13811-3	LLI01-BERM-10-SSWC	Solid	08/01/12 09:00	08/03/12 09:15
240-13811-4	LLI01-BERM-11-SSWC	Solid	08/01/12 10:30	08/03/12 09:15
240-13811-5	LLI01-BERM-12-SSWC	Solid	08/01/12 11:00	08/03/12 09:15

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: HW LAKE LINDEN

TestAmerica Job ID: 240-13811-2

Client Sample ID: LLI01-BERM-08-SSWC

Lab Sample ID: 240-13811-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Flashpoint	>180		1.00	1.00	Degrees F	1		1010	Total/NA
Sulfide, Reactive	10	H	10	0.57	mg/Kg	1		9034	Total/NA
pH	7.63	H	0.100	0.100	SU	1		9045C	Total/NA
Free Liquid	NEG		0.10	0.10	NONE	1		9095A	Total/NA

Client Sample ID: LLI01-BERM-09-SSWC

Lab Sample ID: 240-13811-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Flashpoint	>180		1.00	1.00	Degrees F	1		1010	Total/NA
Sulfide, Reactive	8.0	J H	10	0.57	mg/Kg	1		9034	Total/NA
pH	7.22	H	0.100	0.100	SU	1		9045C	Total/NA
Free Liquid	NEG		0.10	0.10	NONE	1		9095A	Total/NA

Client Sample ID: LLI01-BERM-10-SSWC

Lab Sample ID: 240-13811-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Flashpoint	>180		1.00	1.00	Degrees F	1		1010	Total/NA
Sulfide, Reactive	4.0	J H	10	0.57	mg/Kg	1		9034	Total/NA
pH	7.76	H	0.100	0.100	SU	1		9045C	Total/NA
Free Liquid	NEG		0.10	0.10	NONE	1		9095A	Total/NA

Client Sample ID: LLI01-BERM-11-SSWC

Lab Sample ID: 240-13811-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Flashpoint	>180		1.00	1.00	Degrees F	1		1010	Total/NA
Sulfide, Reactive	2.0	J H	10	0.57	mg/Kg	1		9034	Total/NA
pH	7.14	H	0.100	0.100	SU	1		9045C	Total/NA
Free Liquid	NEG		0.10	0.10	NONE	1		9095A	Total/NA

Client Sample ID: LLI01-BERM-12-SSWC

Lab Sample ID: 240-13811-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Flashpoint	>180		1.00	1.00	Degrees F	1		1010	Total/NA
Sulfide, Reactive	4.0	J H	10	0.57	mg/Kg	1		9034	Total/NA
pH	7.53	H	0.100	0.100	SU	1		9045C	Total/NA
Free Liquid	NEG		0.10	0.10	NONE	1		9095A	Total/NA

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: HW LAKE LINDEN

TestAmerica Job ID: 240-13811-2

Client Sample ID: LLI01-BERM-08-SSWC

Lab Sample ID: 240-13811-1

Date Collected: 08/01/12 07:15

Matrix: Solid

Date Received: 08/03/12 09:15

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>180		1.00	1.00	Degrees F			08/27/12 13:07	1
Cyanide, Reactive	10	U H	10	0.0030	mg/Kg		08/27/12 16:05	08/27/12 23:18	1
Sulfide, Reactive	10	H	10	0.57	mg/Kg		08/27/12 16:05	08/28/12 01:45	1
pH	7.63	H	0.100	0.100	SU			08/24/12 13:14	1
Free Liquid	NEG		0.10	0.10	NONE			08/30/12 09:28	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: HW LAKE LINDEN

TestAmerica Job ID: 240-13811-2

Client Sample ID: LLI01-BERM-09-SSWC

Lab Sample ID: 240-13811-2

Date Collected: 08/01/12 08:25

Matrix: Solid

Date Received: 08/03/12 09:15

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>180		1.00	1.00	Degrees F			08/29/12 11:24	1
Cyanide, Reactive	10	U H	10	0.0030	mg/Kg		08/27/12 16:05	08/27/12 23:18	1
Sulfide, Reactive	8.0	J H	10	0.57	mg/Kg		08/27/12 16:05	08/28/12 01:45	1
pH	7.22	H	0.100	0.100	SU			08/24/12 13:22	1
Free Liquid	NEG		0.10	0.10	NONE			08/30/12 09:31	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: HW LAKE LINDEN

TestAmerica Job ID: 240-13811-2

Client Sample ID: LLI01-BERM-10-SSWC

Lab Sample ID: 240-13811-3

Date Collected: 08/01/12 09:00

Matrix: Solid

Date Received: 08/03/12 09:15

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>180		1.00	1.00	Degrees F			08/29/12 12:12	1
Cyanide, Reactive	10	U H	10	0.0030	mg/Kg		08/27/12 16:05	08/27/12 23:18	1
Sulfide, Reactive	4.0	J H	10	0.57	mg/Kg		08/27/12 16:05	08/28/12 01:45	1
pH	7.76	H	0.100	0.100	SU			08/24/12 13:25	1
Free Liquid	NEG		0.10	0.10	NONE			08/30/12 09:35	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: HW LAKE LINDEN

TestAmerica Job ID: 240-13811-2

Client Sample ID: LLI01-BERM-11-SSWC

Lab Sample ID: 240-13811-4

Date Collected: 08/01/12 10:30

Matrix: Solid

Date Received: 08/03/12 09:15

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>180		1.00	1.00	Degrees F			08/29/12 12:36	1
Cyanide, Reactive	10	U H	10	0.0030	mg/Kg		08/27/12 16:05	08/27/12 23:18	1
Sulfide, Reactive	2.0	J H	10	0.57	mg/Kg		08/27/12 16:05	08/28/12 01:45	1
pH	7.14	H	0.100	0.100	SU			08/24/12 13:29	1
Free Liquid	NEG		0.10	0.10	NONE			08/30/12 09:38	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: HW LAKE LINDEN

TestAmerica Job ID: 240-13811-2

Client Sample ID: LLI01-BERM-12-SSWC

Lab Sample ID: 240-13811-5

Date Collected: 08/01/12 11:00

Matrix: Solid

Date Received: 08/03/12 09:15

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>180		1.00	1.00	Degrees F			08/29/12 13:00	1
Cyanide, Reactive	10	U H	10	0.0030	mg/Kg		08/27/12 16:05	08/27/12 23:18	1
Sulfide, Reactive	4.0	J H	10	0.57	mg/Kg		08/27/12 16:05	08/28/12 01:45	1
pH	7.53	H	0.100	0.100	SU			08/24/12 13:32	1
Free Liquid	NEG		0.10	0.10	NONE			08/30/12 09:41	1

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: HW LAKE LINDEN

TestAmerica Job ID: 240-13811-2

Method: 1010 - Ignitability, Pensky-Martens Closed-Cup Method

Lab Sample ID: LCS 240-55775/1

Matrix: Solid

Analysis Batch: 55775

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Flashpoint	81.0	82.00		Degrees F		101	97 - 103

Lab Sample ID: LCS 240-56169/1

Matrix: Solid

Analysis Batch: 56169

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Flashpoint	81.0	82.00		Degrees F		101	97 - 103

Lab Sample ID: 240-13811-2 DU

Matrix: Solid

Analysis Batch: 56169

Client Sample ID: LLI01-BERM-09-SSWC

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Flashpoint	>180		>180		Degrees F		NC	20

Method: 9012 - Cyanide, Reactive

Lab Sample ID: MB 480-78352/2-A

Matrix: Solid

Analysis Batch: 78376

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 78352

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	10	U	10	0.0030	mg/Kg		08/27/12 16:05	08/27/12 23:18	1

Lab Sample ID: LCS 480-78352/1-A

Matrix: Solid

Analysis Batch: 78376

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 78352

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Reactive	1000	326		mg/Kg		33	10 - 100

Method: 9034 - Sulfide, Reactive

Lab Sample ID: MB 480-78353/2-A

Matrix: Solid

Analysis Batch: 78383

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 78353

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	10	U	10	0.57	mg/Kg		08/27/12 16:05	08/28/12 01:45	1

Lab Sample ID: LCS 480-78353/1-A

Matrix: Solid

Analysis Batch: 78383

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 78353

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide, Reactive	1000	731		mg/Kg		73	10 - 100

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: HW LAKE LINDEN

TestAmerica Job ID: 240-13811-2

Method: 9045C - pH

Lab Sample ID: LCS 240-55658/2

Matrix: Solid

Analysis Batch: 55658

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
pH	7.49	7.480		SU		100	97 - 103

Lab Sample ID: 240-13811-1 DU

Matrix: Solid

Analysis Batch: 55658

Client Sample ID: LLI01-BERM-08-SSWC

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	7.63	H	7.520		SU		1	20

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: HW LAKE LINDEN

TestAmerica Job ID: 240-13811-2

General Chemistry

Analysis Batch: 53423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13811-1	LLI01-BERM-08-SSWC	Total/NA	Solid	Moisture	
240-13811-2	LLI01-BERM-09-SSWC	Total/NA	Solid	Moisture	
240-13811-2 DU	LLI01-BERM-09-SSWC	Total/NA	Solid	Moisture	
240-13811-3	LLI01-BERM-10-SSWC	Total/NA	Solid	Moisture	
240-13811-4	LLI01-BERM-11-SSWC	Total/NA	Solid	Moisture	
240-13811-5	LLI01-BERM-12-SSWC	Total/NA	Solid	Moisture	

Analysis Batch: 55658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13811-1	LLI01-BERM-08-SSWC	Total/NA	Solid	9045C	
240-13811-1 DU	LLI01-BERM-08-SSWC	Total/NA	Solid	9045C	
240-13811-2	LLI01-BERM-09-SSWC	Total/NA	Solid	9045C	
240-13811-3	LLI01-BERM-10-SSWC	Total/NA	Solid	9045C	
240-13811-4	LLI01-BERM-11-SSWC	Total/NA	Solid	9045C	
240-13811-5	LLI01-BERM-12-SSWC	Total/NA	Solid	9045C	
LCS 240-55658/2	Lab Control Sample	Total/NA	Solid	9045C	

Analysis Batch: 55775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13811-1	LLI01-BERM-08-SSWC	Total/NA	Solid	1010	
LCS 240-55775/1	Lab Control Sample	Total/NA	Solid	1010	

Analysis Batch: 56169

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13811-2	LLI01-BERM-09-SSWC	Total/NA	Solid	1010	
240-13811-2 DU	LLI01-BERM-09-SSWC	Total/NA	Solid	1010	
240-13811-3	LLI01-BERM-10-SSWC	Total/NA	Solid	1010	
240-13811-4	LLI01-BERM-11-SSWC	Total/NA	Solid	1010	
240-13811-5	LLI01-BERM-12-SSWC	Total/NA	Solid	1010	
LCS 240-56169/1	Lab Control Sample	Total/NA	Solid	1010	

Analysis Batch: 56255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13811-1	LLI01-BERM-08-SSWC	Total/NA	Solid	9095A	
240-13811-2	LLI01-BERM-09-SSWC	Total/NA	Solid	9095A	
240-13811-3	LLI01-BERM-10-SSWC	Total/NA	Solid	9095A	
240-13811-4	LLI01-BERM-11-SSWC	Total/NA	Solid	9095A	
240-13811-5	LLI01-BERM-12-SSWC	Total/NA	Solid	9095A	

Prep Batch: 78352

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13811-1	LLI01-BERM-08-SSWC	Total/NA	Solid	7.3.3	
240-13811-2	LLI01-BERM-09-SSWC	Total/NA	Solid	7.3.3	
240-13811-3	LLI01-BERM-10-SSWC	Total/NA	Solid	7.3.3	
240-13811-4	LLI01-BERM-11-SSWC	Total/NA	Solid	7.3.3	
240-13811-5	LLI01-BERM-12-SSWC	Total/NA	Solid	7.3.3	
LCS 480-78352/1-A	Lab Control Sample	Total/NA	Solid	7.3.3	
MB 480-78352/2-A	Method Blank	Total/NA	Solid	7.3.3	

Prep Batch: 78353

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13811-1	LLI01-BERM-08-SSWC	Total/NA	Solid	7.3.4	

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: HW LAKE LINDEN

TestAmerica Job ID: 240-13811-2

General Chemistry (Continued)

Prep Batch: 78353 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13811-2	LLI01-BERM-09-SSWC	Total/NA	Solid	7.3.4	
240-13811-3	LLI01-BERM-10-SSWC	Total/NA	Solid	7.3.4	
240-13811-4	LLI01-BERM-11-SSWC	Total/NA	Solid	7.3.4	
240-13811-5	LLI01-BERM-12-SSWC	Total/NA	Solid	7.3.4	
LCS 480-78353/1-A	Lab Control Sample	Total/NA	Solid	7.3.4	
MB 480-78353/2-A	Method Blank	Total/NA	Solid	7.3.4	

Analysis Batch: 78352

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13811-1	LLI01-BERM-08-SSWC	Total/NA	Solid	9012	78352
240-13811-2	LLI01-BERM-09-SSWC	Total/NA	Solid	9012	78352
240-13811-3	LLI01-BERM-10-SSWC	Total/NA	Solid	9012	78352
240-13811-4	LLI01-BERM-11-SSWC	Total/NA	Solid	9012	78352
240-13811-5	LLI01-BERM-12-SSWC	Total/NA	Solid	9012	78352
LCS 480-78352/1-A	Lab Control Sample	Total/NA	Solid	9012	78352
MB 480-78352/2-A	Method Blank	Total/NA	Solid	9012	78352

Analysis Batch: 78353

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13811-1	LLI01-BERM-08-SSWC	Total/NA	Solid	9034	78353
240-13811-2	LLI01-BERM-09-SSWC	Total/NA	Solid	9034	78353
240-13811-3	LLI01-BERM-10-SSWC	Total/NA	Solid	9034	78353
240-13811-4	LLI01-BERM-11-SSWC	Total/NA	Solid	9034	78353
240-13811-5	LLI01-BERM-12-SSWC	Total/NA	Solid	9034	78353
LCS 480-78353/1-A	Lab Control Sample	Total/NA	Solid	9034	78353
MB 480-78353/2-A	Method Blank	Total/NA	Solid	9034	78353

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: HW LAKE LINDEN

TestAmerica Job ID: 240-13811-2

Client Sample ID: LLI01-BERM-08-SSWC

Lab Sample ID: 240-13811-1

Date Collected: 08/01/12 07:15

Matrix: Solid

Date Received: 08/03/12 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	53423	08/06/12 16:00	AM	TAL NC
Total/NA	Analysis	9045C		1	55658	08/24/12 13:14	LG	TAL NC
Total/NA	Analysis	1010		1	55775	08/27/12 13:07	TH	TAL NC
Total/NA	Analysis	9095A		1	56255	08/30/12 09:28	TH	TAL NC
Total/NA	Prep	7.3.3			78352	08/27/12 16:05	LAW	TAL BUF
Total/NA	Analysis	9012		1	78376	08/27/12 23:18	LAW	TAL BUF
Total/NA	Prep	7.3.4			78353	08/27/12 16:05	LAW	TAL BUF
Total/NA	Analysis	9034		1	78383	08/28/12 01:45	LAW	TAL BUF

Client Sample ID: LLI01-BERM-09-SSWC

Lab Sample ID: 240-13811-2

Date Collected: 08/01/12 08:25

Matrix: Solid

Date Received: 08/03/12 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	53423	08/06/12 16:00	AM	TAL NC
Total/NA	Analysis	9045C		1	55658	08/24/12 13:22	LG	TAL NC
Total/NA	Analysis	1010		1	56169	08/29/12 11:24	JM	TAL NC
Total/NA	Analysis	9095A		1	56255	08/30/12 09:31	TH	TAL NC
Total/NA	Prep	7.3.3			78352	08/27/12 16:05	LAW	TAL BUF
Total/NA	Analysis	9012		1	78376	08/27/12 23:18	LAW	TAL BUF
Total/NA	Prep	7.3.4			78353	08/27/12 16:05	LAW	TAL BUF
Total/NA	Analysis	9034		1	78383	08/28/12 01:45	LAW	TAL BUF

Client Sample ID: LLI01-BERM-10-SSWC

Lab Sample ID: 240-13811-3

Date Collected: 08/01/12 09:00

Matrix: Solid

Date Received: 08/03/12 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	53423	08/06/12 16:00	AM	TAL NC
Total/NA	Analysis	9045C		1	55658	08/24/12 13:25	LG	TAL NC
Total/NA	Analysis	1010		1	56169	08/29/12 12:12	JM	TAL NC
Total/NA	Analysis	9095A		1	56255	08/30/12 09:35	TH	TAL NC
Total/NA	Prep	7.3.3			78352	08/27/12 16:05	LAW	TAL BUF
Total/NA	Analysis	9012		1	78376	08/27/12 23:18	LAW	TAL BUF
Total/NA	Prep	7.3.4			78353	08/27/12 16:05	LAW	TAL BUF
Total/NA	Analysis	9034		1	78383	08/28/12 01:45	LAW	TAL BUF

Client Sample ID: LLI01-BERM-11-SSWC

Lab Sample ID: 240-13811-4

Date Collected: 08/01/12 10:30

Matrix: Solid

Date Received: 08/03/12 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	53423	08/06/12 16:00	AM	TAL NC

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: HW LAKE LINDEN

TestAmerica Job ID: 240-13811-2

Client Sample ID: LLI01-BERM-11-SSWC

Lab Sample ID: 240-13811-4

Date Collected: 08/01/12 10:30

Matrix: Solid

Date Received: 08/03/12 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045C		1	55658	08/24/12 13:29	LG	TAL NC
Total/NA	Analysis	1010		1	56169	08/29/12 12:36	JM	TAL NC
Total/NA	Analysis	9095A		1	56255	08/30/12 09:38	TH	TAL NC
Total/NA	Prep	7.3.3			78352	08/27/12 16:05	LAW	TAL BUF
Total/NA	Analysis	9012		1	78376	08/27/12 23:18	LAW	TAL BUF
Total/NA	Prep	7.3.4			78353	08/27/12 16:05	LAW	TAL BUF
Total/NA	Analysis	9034		1	78383	08/28/12 01:45	LAW	TAL BUF

Client Sample ID: LLI01-BERM-12-SSWC

Lab Sample ID: 240-13811-5

Date Collected: 08/01/12 11:00

Matrix: Solid

Date Received: 08/03/12 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	53423	08/06/12 16:00	AM	TAL NC
Total/NA	Analysis	9045C		1	55658	08/24/12 13:32	LG	TAL NC
Total/NA	Analysis	1010		1	56169	08/29/12 13:00	JM	TAL NC
Total/NA	Analysis	9095A		1	56255	08/30/12 09:41	TH	TAL NC
Total/NA	Prep	7.3.3			78352	08/27/12 16:05	LAW	TAL BUF
Total/NA	Analysis	9012		1	78376	08/27/12 23:18	LAW	TAL BUF
Total/NA	Prep	7.3.4			78353	08/27/12 16:05	LAW	TAL BUF
Total/NA	Analysis	9034		1	78383	08/28/12 01:45	LAW	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

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

Certification Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: HW LAKE LINDEN

TestAmerica Job ID: 240-13811-2

Laboratory: TestAmerica Canton

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

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAC	9	01144CA	06-30-13
Connecticut	State Program	1	PH-0590	12-31-13
Florida	NELAC	4	E87225	06-30-13
Georgia	State Program	4	N/A	06-30-13
Illinois	NELAC	5	200004	07-31-13
Kansas	NELAC	7	E-10336	01-31-13
Kentucky	State Program	4	58	11-16-12
L-A-B	DoD ELAP		L2315	02-28-13
Minnesota	NELAC	5	039-999-348	12-31-12
Nevada	State Program	9	OH-000482008A	07-31-12
New Jersey	NELAC	2	OH001	06-30-13
New York	NELAC	2	10975	04-01-13
Ohio VAP	State Program	5	CL0024	01-19-14
USDA	Federal		P330-11-00328	08-26-14
Virginia	NELAC	3	460175	09-14-12
Washington	State Program	10	C971	01-12-13
West Virginia DEP	State Program	3	210	12-31-12

Laboratory: TestAmerica Buffalo

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-13
California	NELAC	9	1169CA	09-30-12
Connecticut	State Program	1	PH-0568	09-30-12
Florida	NELAC	4	E87672	06-30-13
Georgia	State Program	4	N/A	03-31-13
Georgia	State Program	4	956	03-31-12
Illinois	NELAC	5	200003	09-30-12
Iowa	State Program	7	374	03-01-13
Kansas	NELAC	7	E-10187	01-31-13
Kentucky	State Program	4	90029	12-31-12
Kentucky (UST)	State Program	4	30	04-01-13
Louisiana	NELAC	6	02031	06-30-13
Maine	State Program	1	NY00044	12-04-12
Maryland	State Program	3	294	03-31-13
Massachusetts	State Program	1	M-NY044	06-30-13
Michigan	State Program	5	9937	04-01-13
Minnesota	NELAC	5	036-999-337	12-31-12
New Hampshire	NELAC	1	2973	09-11-12
New Hampshire	NELAC	1	2337	11-17-12
New Jersey	NELAC	2	NY455	06-30-13
New York	NELAC	2	10026	03-31-13
North Dakota	State Program	8	R-176	03-31-13
Oklahoma	State Program	6	9421	08-31-13
Oregon	NELAC	10	NY200003	06-09-13
Pennsylvania	NELAC	3	68-00281	07-31-13
Tennessee	State Program	4	TN02970	04-01-13
Texas	NELAC	6	T104704412-11-2	07-31-13
USDA	Federal		P330-11-00386	11-22-14
Virginia	NELAC	3	460185	09-14-12
Washington	State Program	10	C784	02-10-13
West Virginia DEP	State Program	3	252	09-30-12

Certification Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: HW LAKE LINDEN

TestAmerica Job ID: 240-13811-2

Laboratory: TestAmerica Buffalo (Continued)

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Wisconsin	State Program	5	998310390	08-31-12

Chain of Custody Record

TestAmerica Laboratory location: Norwalk, CT ☐ DW ☐ NPDES ☐ RCRA ☐ Other ☐

Client Contact Company Name: <u>Amec</u> Address: <u>46850 Magellan</u> City/State/Zip: <u>Norwalk, CT</u> Phone: <u>746-926-4008</u> Project Name: <u>FW Lake Linden</u> Project Number: <u>329311440</u> P.O. # <u>Direct Bill to FON</u>		Client Project Manager: Name: <u>Don Dyer</u> Telephone: <u>746-926-4008</u> Email: <u>don.dyer@amec.com</u> Method of Shipment/Carrier: <u>FedEx</u> Shipping/Tracking No: <u></u>		Site Contact: Name: <u>Mark Loeb</u> Telephone: <u></u> Analysis Turnaround Time (in BUS-days): <u>Standard</u> TAT in different from below: <input type="checkbox"/> 3 weeks <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Lab Contact: Name: <u>Mark Loeb</u> Telephone: <u></u> COC No: <u>044078</u> 2 of 2 COCs	
Sample Identification Sample ID: <u>11107-01XX-0006-SSWC</u> Sample ID: <u>11107-01XX-0007-SSWC</u>		Matrix Solid: <input checked="" type="checkbox"/> Sediment: <input checked="" type="checkbox"/> Aqueous: <input type="checkbox"/> Air: <input type="checkbox"/> Other: <input type="checkbox"/>		Containers & Preservatives H2SO4: <input type="checkbox"/> HNO3: <input type="checkbox"/> HCl: <input type="checkbox"/> NaOH: <input type="checkbox"/> ZnO: <input type="checkbox"/> H2O2: <input type="checkbox"/> Other: <input type="checkbox"/>		Filtered Sample (Y/N) Y: <input checked="" type="checkbox"/> N: <input checked="" type="checkbox"/>	
Sample Disposal <input checked="" type="checkbox"/> Non-Hazardous <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months		Sample Specific Notes / Special Instructions: <u>Waste characterization</u> <u>Waste</u> <u>Waste</u>			

TestAmerica North Canton Sample Receipt Form/Narrative

Login # : 13811

Client AMEC Site Name LAKE LINDENBy: Matt [Signature]
(Signature)Cooler Received on 3 AUG 2012 Opened on 3 AUG 2012FedEx: 1st Grd Exp UPS FAS Stetson Client Drop Off TestAmerica Courier OtherTestAmerica Cooler # BACK Foam Box Client Cooler Box OtherPacking material used: Bubble Wrap Foam Plastic Bag None OtherCOOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# 1 (CF 0°C) Observed Sample Temp. °C Corrected Sample Temp. °C

IR GUN# 4G (CF -1°C) Observed Sample Temp. °C Corrected Sample Temp. °C

IR GUN# 5G (CF -1°C) Observed Sample Temp. °C Corrected Sample Temp. °C

IR GUN# 8 (CF 0°C) Observed Sample Temp. °C Corrected Sample Temp. °C

X Multiple
on Back2. Were custody seals on the outside of the cooler(s)? If Yes Quantity 2

Yes No

-Were custody seals on the outside of the cooler(s) signed & dated? Yes No NA

-Were custody seals on the bottle(s)? Yes No

3. Shippers' packing slip attached to the cooler(s)?

Yes No

4. Did custody papers accompany the sample(s)?

Yes No

5. Were the custody papers relinquished & signed in the appropriate place?

Yes No

6. Did all bottles arrive in good condition (Unbroken)?

Yes No

7. Could all bottle labels be reconciled with the COC?

Yes No

8. Were correct bottle(s) used for the test(s) indicated?

Yes No

9. Sufficient quantity received to perform indicated analyses?

Yes No

10. Were sample(s) at the correct pH upon receipt?

Yes No NA

11. Were VOAs on the COC?

Yes No

12. Were air bubbles >6 mm in any VOA vials?

Yes No NA

13. Was a trip blank present in the cooler(s)?

Yes NoContacted PM MJL Date 8/3/12 by JB via Verbal Voice Mail OtherConcerning Temp & #14

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

HIGH TEMP (INSUFFICIENT COOLANT) WATER AS COOLANTRec'd LCIO1-DP34-XXXX-SSFD 8/1/12 no time not on COC - will log per PM for metals

15. SAMPLE CONDITION

Sample(s) were received after the recommended holding time had expired.

Sample(s) were received in a broken container.

Sample(s) were received with bubble >6 mm in diameter. (Notify PM)

Login Sample Receipt Checklist

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-13811-2

Login Number: 13811

List Source: TestAmerica Canton

List Number: 1

Creator: Burns, Terry

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

Login Sample Receipt Checklist

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-13811-2

Login Number: 13811

List Number: 1

Creator: May, Joel M

List Source: TestAmerica Buffalo

List Creation: 08/24/12 04:21 PM

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

ANALYTICAL REPORT

Job Number: 240-24831-1

Job Description: H+C Power Plant, Lake Linden, MI

For:

AMEC Environment & Infrastructure, Inc.
46850 Magellan Drive, Suite 190
Novi, MI 48377

Attention: Doug Saigh



Approved for release.
Mark J Loeb
Project Manager II
6/19/2013 8:19 AM

Mark J Loeb, Project Manager II
4101 Shuffel Street NW, North Canton, OH, 44720
(330)966-9387
mark.loeb@testamericainc.com
06/19/2013

cc: Kurt Cunningham

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of TestAmerica and its client. All questions regarding this report should be directed to the TestAmerica Project Manager who has signed this report.

TestAmerica Laboratories, Inc.

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Table of Contents

Cover Title Page	1
Data Summaries	4
Report Narrative	4
Sample Summary	6
Executive Summary	8
Method Summary	20
Method / Analyst Summary	21
Sample Datasheets	22
QC Data Summary	126
Data Qualifiers	137
QC Association Summary	138
Lab Chronicle	145
Reagent Traceability	160
COAs	166
Certification Summary	203
Inorganic Sample Data	204
Metals Data	204
Met Cover Page	205
Met Sample Data	207
Met QC Data	259
Met ICV/CCV	259
Met CRQL	271
Met Blanks	274
Met ICSA/ICSAB	287
Met MS/MSD/PDS	299
Met LCS/LCSD	305

Table of Contents

Met Serial Dilution	308
Met MDL	311
Met Linear Ranges	315
Met Preparation Log	317
Met Analysis Run Log	320
Met Raw Data	355
Met Prep Data	2596
General Chemistry Data	2605
Gen Chem Cover Page	2606
Gen Chem MDL	2608
Gen Chem Analysis Run Log	2610
Gen Chem Prep Data	2613
Shipping and Receiving Documents	2617
Client Chain of Custody	2618

CASE NARRATIVE REVISED

Client: AMEC Environment & Infrastructure, Inc.

Project: H+C Power Plant, Lake Linden, MI

Report Number: 240-24831-1

Per client request, a Level IV Data Package has been added and reported.

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

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

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

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

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

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

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

RECEIPT

The samples were received on 05/23/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 4.1 C.

TOTAL METALS (ICP)

Samples LLI01-41NW-0005-SSXX (240-24831-1), LLI01-41NW-0502-SSXX (240-24831-2), LLI01-41NW-0205-SSXX (240-24831-3), LLI01-41SW-0005-SSXX (240-24831-4), LLI01-41SW-0502-SSXX (240-24831-5), LLI01-41SW-0205-SSXX (240-24831-6), LLI01-33NW-0005-SSXX (240-24831-7), LLI01-33NW-0502-SSXX (240-24831-8), LLI01-33NW-0205-SSXX (240-24831-9), LLI01-32SE-0005-SSXX (240-24831-10), LLI01-32SE-0502-SSXX (240-24831-11), LLI01-32SE-0205-SSXX (240-24831-12), LLI01-24SE-0005-SSXX (240-24831-13), LLI01-24SE-0502-SSXX (240-24831-14), LLI01-24SE-0205-SSXX (240-24831-15), LLI01-24SE-DUP1-SSXX (240-24831-16), LLI01-24SW-0005-SSXX (240-24831-17), LLI01-24SW-0502-SSXX (240-24831-18), LLI01-24SW-0205-SSXX (240-24831-19), LLI01-26SW-0005-SSXX (240-24831-20), LLI01-26SW-0502-SSXX (240-24831-21), LLI01-26SW-0205-SSXX (240-24831-22), LLI01-26NE-0005-SSXX (240-24831-23), LLI01-26NE-0502-SSXX (240-24831-24), LLI01-26NE-0205-SSXX (240-24831-25), LLI01-34SE-0005-SSXX (240-24831-26), LLI01-34SE-0502-SSXX (240-24831-27), LLI01-34NE-0005-SSXX (240-24831-28), LLI01-34NE-0502-SSXX (240-24831-29), LLI01-34NE-0205-SSXX (240-24831-30), LLI01-34NE-DUP2-SSXX (240-24831-31), LLI01-64NW-0005-SSXX (240-24831-32), LLI01-64NW-0502-SSXX (240-24831-33), LLI01-64NW-0205-SSXX (240-24831-34), LLI01-DUP4-XXXX-SSXX (240-24831-35), LLI01-72SW-0005-SSXX (240-24831-36), LLI01-72SW-0502-SSXX (240-24831-37), LLI01-72SW-0205-SSXX (240-24831-38), LLI01-70NE-0005-SSXX (240-24831-39), LLI01-70NE-0502-SSXX (240-24831-40), LLI01-70NE-0205-SSXX (240-24831-41), LLI01-70NW-0005-SSXX (240-24831-42), LLI01-70NW-0502-SSXX (240-24831-43), LLI01-70NW-0205-SSXX (240-24831-44), LLI01-DUP3-XXXX-SSXX (240-24831-45), LLI01-70SW-0005-SSXX (240-24831-46), LLI01-70SW-0502-SSXX (240-24831-47), LLI01-70SW-0205-SSXX (240-24831-48), LLI01-31SW-0005-SSXX (240-24831-49), LLI01-31SW-0502-SSXX (240-24831-50), LLI01-23SW-0005-SSXX (240-24831-51) and LLI01-23SW-0502-SSXX (240-24831-52) were analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 05/24/2013 and analyzed on 05/28/2013, 05/30/2013, 05/31/2013, 06/03/2013 and 06/05/2013.

Iron was detected in method blank MB 240-87268/1-A at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

Antimony and Iron failed the recovery criteria low for the MS/MSD of sample LLI01-24SW-0005-SSXXMS/MSD (240-24831-17) in batch 240-87566. Copper and Lead failed the recovery criteria high.

Antimony and Copper failed the recovery criteria low for the MS/MSD of sample LLI01-24SW-0205-SSXXMS/MSD (240-24831-19) in batch 240-88585. Iron and Lead failed the recovery criteria high.

Antimony failed the recovery criteria low for the MS/MSD of sample LLI01-70NE-0205-SSXXMS/MSD (240-24831-41) in batch 240-88126. Iron failed the recovery criteria high.

The presence of the '4' qualifier in the data indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount. Refer to the QC report for details.

Samples LLI01-26NE-0005-SSXX (240-24831-23)[5X], LLI01-26NE-0502-SSXX (240-24831-24)[5X], LLI01-34SE-0502-SSXX (240-24831-27)[2X], LLI01-64NW-0205-SSXX (240-24831-34)[5X], LLI01-DUP4-XXXX-SSXX (240-24831-35)[5X], LLI01-72SW-0005-SSXX (240-24831-36)[5X], LLI01-72SW-0205-SSXX (240-24831-38)[5X], LLI01-70NE-0005-SSXX (240-24831-39)[5X], LLI01-31SW-0005-SSXX (240-24831-49)[5X] and LLI01-31SW-0502-SSXX (240-24831-50)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

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

PERCENT SOLIDS

Samples LLI01-41NW-0005-SSXX (240-24831-1), LLI01-41NW-0502-SSXX (240-24831-2), LLI01-41NW-0205-SSXX (240-24831-3), LLI01-41SW-0005-SSXX (240-24831-4), LLI01-41SW-0502-SSXX (240-24831-5), LLI01-41SW-0205-SSXX (240-24831-6), LLI01-33NW-0005-SSXX (240-24831-7), LLI01-33NW-0502-SSXX (240-24831-8), LLI01-33NW-0205-SSXX (240-24831-9), LLI01-32SE-0005-SSXX (240-24831-10), LLI01-32SE-0502-SSXX (240-24831-11), LLI01-32SE-0205-SSXX (240-24831-12), LLI01-24SE-0005-SSXX (240-24831-13), LLI01-24SE-0502-SSXX (240-24831-14), LLI01-24SE-0205-SSXX (240-24831-15), LLI01-24SE-DUP1-SSXX (240-24831-16), LLI01-24SW-0005-SSXX (240-24831-17), LLI01-24SW-0502-SSXX (240-24831-18), LLI01-24SW-0205-SSXX (240-24831-19), LLI01-26SW-0005-SSXX (240-24831-20), LLI01-26SW-0502-SSXX (240-24831-21), LLI01-26SW-0205-SSXX (240-24831-22), LLI01-26NE-0005-SSXX (240-24831-23), LLI01-26NE-0502-SSXX (240-24831-24), LLI01-26NE-0205-SSXX (240-24831-25), LLI01-34SE-0005-SSXX (240-24831-26), LLI01-34SE-0502-SSXX (240-24831-27), LLI01-34NE-0005-SSXX (240-24831-28), LLI01-34NE-0502-SSXX (240-24831-29), LLI01-34NE-0205-SSXX (240-24831-30), LLI01-34NE-DUP2-SSXX (240-24831-31), LLI01-64NW-0005-SSXX (240-24831-32), LLI01-64NW-0502-SSXX (240-24831-33), LLI01-64NW-0205-SSXX (240-24831-34), LLI01-DUP4-XXXX-SSXX (240-24831-35), LLI01-72SW-0005-SSXX (240-24831-36), LLI01-72SW-0502-SSXX (240-24831-37), LLI01-72SW-0205-SSXX (240-24831-38), LLI01-70NE-0005-SSXX (240-24831-39), LLI01-70NE-0502-SSXX (240-24831-40), LLI01-70NE-0205-SSXX (240-24831-41), LLI01-70NW-0005-SSXX (240-24831-42), LLI01-70NW-0502-SSXX (240-24831-43), LLI01-70NW-0205-SSXX (240-24831-44), LLI01-DUP3-XXXX-SSXX (240-24831-45), LLI01-70SW-0005-SSXX (240-24831-46), LLI01-70SW-0502-SSXX (240-24831-47), LLI01-70SW-0205-SSXX (240-24831-48), LLI01-31SW-0005-SSXX (240-24831-49), LLI01-31SW-0502-SSXX (240-24831-50), LLI01-23SW-0005-SSXX (240-24831-51) and LLI01-23SW-0502-SSXX (240-24831-52) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 05/24/2013.

Percent Moisture exceeded the RPD limit for the duplicate of sample LLI01-23SW-0005-SSXXDU (240-24831-51). Percent Moisture exceeded the RPD limit for the duplicate of sample LLI01-41SW-0205-SSXXDU (240-24831-6). Refer to the QC report for details.

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

SAMPLE SUMMARY

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-24831-1	LLI01-41NW-0005-SSXX	Solid	05/21/2013 1531	05/23/2013 0915
240-24831-2	LLI01-41NW-0502-SSXX	Solid	05/21/2013 1532	05/23/2013 0915
240-24831-3	LLI01-41NW-0205-SSXX	Solid	05/21/2013 1533	05/23/2013 0915
240-24831-4	LLI01-41SW-0005-SSXX	Solid	05/21/2013 1540	05/23/2013 0915
240-24831-5	LLI01-41SW-0502-SSXX	Solid	05/21/2013 1541	05/23/2013 0915
240-24831-6	LLI01-41SW-0205-SSXX	Solid	05/21/2013 1542	05/23/2013 0915
240-24831-7	LLI01-33NW-0005-SSXX	Solid	05/21/2013 1545	05/23/2013 0915
240-24831-8	LLI01-33NW-0502-SSXX	Solid	05/21/2013 1546	05/23/2013 0915
240-24831-9	LLI01-33NW-0205-SSXX	Solid	05/21/2013 1547	05/23/2013 0915
240-24831-10	LLI01-32SE-0005-SSXX	Solid	05/21/2013 1550	05/23/2013 0915
240-24831-11	LLI01-32SE-0502-SSXX	Solid	05/21/2013 1551	05/23/2013 0915
240-24831-12	LLI01-32SE-0205-SSXX	Solid	05/21/2013 1552	05/23/2013 0915
240-24831-13	LLI01-24SE-0005-SSXX	Solid	05/21/2013 1556	05/23/2013 0915
240-24831-14	LLI01-24SE-0502-SSXX	Solid	05/21/2013 1557	05/23/2013 0915
240-24831-15	LLI01-24SE-0205-SSXX	Solid	05/21/2013 1558	05/23/2013 0915
240-24831-16	LLI01-24SE-DUP1-SSXX	Solid	05/21/2013 1557	05/23/2013 0915
240-24831-17	LLI01-24SW-0005-SSXX	Solid	05/21/2013 1601	05/23/2013 0915
240-24831-17MS	LLI01-24SW-0005-SSXX	Solid	05/21/2013 1601	05/23/2013 0915
240-24831-17MSD	LLI01-24SW-0005-SSXX	Solid	05/21/2013 1601	05/23/2013 0915
240-24831-17DU	LLI01-24SW-0005-SSXX	Solid	05/21/2013 1601	05/23/2013 0915
240-24831-18	LLI01-24SW-0502-SSXX	Solid	05/21/2013 1603	05/23/2013 0915
240-24831-19	LLI01-24SW-0205-SSXX	Solid	05/21/2013 1604	05/23/2013 0915
240-24831-20	LLI01-26SW-0005-SSXX	Solid	05/21/2013 1611	05/23/2013 0915
240-24831-21	LLI01-26SW-0502-SSXX	Solid	05/21/2013 1612	05/23/2013 0915
240-24831-22	LLI01-26SW-0205-SSXX	Solid	05/21/2013 1613	05/23/2013 0915
240-24831-23	LLI01-26NE-0005-SSXX	Solid	05/21/2013 1616	05/23/2013 0915
240-24831-24	LLI01-26NE-0502-SSXX	Solid	05/21/2013 1617	05/23/2013 0915
240-24831-25	LLI01-26NE-0205-SSXX	Solid	05/21/2013 1618	05/23/2013 0915
240-24831-26	LLI01-34SE-0005-SSXX	Solid	05/21/2013 1621	05/23/2013 0915
240-24831-27	LLI01-34SE-0502-SSXX	Solid	05/21/2013 1622	05/23/2013 0915
240-24831-28	LLI01-34NE-0005-SSXX	Solid	05/21/2013 1624	05/23/2013 0915
240-24831-29	LLI01-34NE-0502-SSXX	Solid	05/21/2013 1626	05/23/2013 0915
240-24831-30	LLI01-34NE-0205-SSXX	Solid	05/21/2013 1627	05/23/2013 0915
240-24831-31	LLI01-34NE-DUP2-SSXX	Solid	05/21/2013 1628	05/23/2013 0915
240-24831-32	LLI01-64NW-0005-SSXX	Solid	05/22/2013 0755	05/23/2013 0915
240-24831-33	LLI01-64NW-0502-SSXX	Solid	05/22/2013 0756	05/23/2013 0915
240-24831-34	LLI01-64NW-0205-SSXX	Solid	05/22/2013 0757	05/23/2013 0915
240-24831-35	LLI01-DUP4-XXXX-SSXX	Solid	05/22/2013 0756	05/23/2013 0915
240-24831-36	LLI01-72SW-0005-SSXX	Solid	05/22/2013 0801	05/23/2013 0915
240-24831-37	LLI01-72SW-0502-SSXX	Solid	05/22/2013 0802	05/23/2013 0915
240-24831-38	LLI01-72SW-0205-SSXX	Solid	05/22/2013 0803	05/23/2013 0915
240-24831-39	LLI01-70NE-0005-SSXX	Solid	05/22/2013 0812	05/23/2013 0915
240-24831-40	LLI01-70NE-0502-SSXX	Solid	05/22/2013 0813	05/23/2013 0915
240-24831-41	LLI01-70NE-0205-SSXX	Solid	05/22/2013 0814	05/23/2013 0915
240-24831-41MS	LLI01-70NE-0205-SSXX	Solid	05/22/2013 0814	05/23/2013 0915
240-24831-41MSD	LLI01-70NE-0205-SSXX	Solid	05/22/2013 0814	05/23/2013 0915
240-24831-41DU	LLI01-70NE-0205-SSXX	Solid	05/22/2013 0814	05/23/2013 0915
240-24831-42	LLI01-70NW-0005-SSXX	Solid	05/22/2013 0818	05/23/2013 0915
240-24831-43	LLI01-70NW-0502-SSXX	Solid	05/22/2013 0819	05/23/2013 0915
240-24831-44	LLI01-70NW-0205-SSXX	Solid	05/22/2013 0820	05/23/2013 0915
240-24831-45	LLI01-DUP3-XXXX-SSXX	Solid	05/22/2013 0820	05/23/2013 0915
240-24831-46	LLI01-70SW-0005-SSXX	Solid	05/22/2013 0831	05/23/2013 0915
240-24831-47	LLI01-70SW-0502-SSXX	Solid	05/22/2013 0832	05/23/2013 0915

SAMPLE SUMMARY

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-24831-48	LLI01-70SW-0205-SSXX	Solid	05/22/2013 0833	05/23/2013 0915
240-24831-49	LLI01-31SW-0005-SSXX	Solid	05/22/2013 1312	05/23/2013 0915
240-24831-50	LLI01-31SW-0502-SSXX	Solid	05/22/2013 1314	05/23/2013 0915
240-24831-51	LLI01-23SW-0005-SSXX	Solid	05/22/2013 1322	05/23/2013 0915
240-24831-52	LLI01-23SW-0502-SSXX	Solid	05/22/2013 1326	05/23/2013 0915

EXECUTIVE SUMMARY - Detections

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-24831-1	LLI01-41NW-0005-SSXX					
Arsenic		6200		1100	ug/Kg	6010B
Copper		930000		2800	ug/Kg	6010B
Iron		13000000		11000	ug/Kg	6010B
Lead		42000		340	ug/Kg	6010B
Percent Solids		83		0.10	%	Moisture
Percent Moisture		17		0.10	%	Moisture
240-24831-2	LLI01-41NW-0502-SSXX					
Arsenic		3900		1100	ug/Kg	6010B
Copper		120000		2900	ug/Kg	6010B
Iron		7000000		11000	ug/Kg	6010B
Lead		470000		340	ug/Kg	6010B
Percent Solids		85		0.10	%	Moisture
Percent Moisture		15		0.10	%	Moisture
240-24831-3	LLI01-41NW-0205-SSXX					
Arsenic		1600		900	ug/Kg	6010B
Copper		240000		2300	ug/Kg	6010B
Iron		5600000		9000	ug/Kg	6010B
Lead		13000		270	ug/Kg	6010B
Percent Solids		93		0.10	%	Moisture
Percent Moisture		7.4		0.10	%	Moisture
240-24831-4	LLI01-41SW-0005-SSXX					
Arsenic		7600		950	ug/Kg	6010B
Copper		1200000		2400	ug/Kg	6010B
Iron		12000000		9500	ug/Kg	6010B
Lead		76000		290	ug/Kg	6010B
Percent Solids		84		0.10	%	Moisture
Percent Moisture		16		0.10	%	Moisture
240-24831-5	LLI01-41SW-0502-SSXX					
Arsenic		6700		1200	ug/Kg	6010B
Copper		1500000		3000	ug/Kg	6010B
Iron		12000000		12000	ug/Kg	6010B
Lead		79000		360	ug/Kg	6010B
Percent Solids		81		0.10	%	Moisture
Percent Moisture		19		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-24831-6	LLI01-41SW-0205-SSXX					
Arsenic		2400		970	ug/Kg	6010B
Copper		880000		2400	ug/Kg	6010B
Iron		18000000		9700	ug/Kg	6010B
Lead		15000		290	ug/Kg	6010B
Percent Solids		90		0.10	%	Moisture
Percent Moisture		10		0.10	%	Moisture
240-24831-7	LLI01-33NW-0005-SSXX					
Antimony		680	J	1100	ug/Kg	6010B
Arsenic		5900		1100	ug/Kg	6010B
Copper		1800000		2600	ug/Kg	6010B
Iron		10000000		11000	ug/Kg	6010B
Lead		91000		320	ug/Kg	6010B
Percent Solids		85		0.10	%	Moisture
Percent Moisture		15		0.10	%	Moisture
240-24831-8	LLI01-33NW-0502-SSXX					
Arsenic		8400		1100	ug/Kg	6010B
Copper		640000		2700	ug/Kg	6010B
Iron		9300000		11000	ug/Kg	6010B
Lead		63000		320	ug/Kg	6010B
Percent Solids		86		0.10	%	Moisture
Percent Moisture		14		0.10	%	Moisture
240-24831-9	LLI01-33NW-0205-SSXX					
Arsenic		2000		1000	ug/Kg	6010B
Copper		2100000		2600	ug/Kg	6010B
Iron		7900000		10000	ug/Kg	6010B
Lead		36000		310	ug/Kg	6010B
Percent Solids		89		0.10	%	Moisture
Percent Moisture		11		0.10	%	Moisture
240-24831-10	LLI01-32SE-0005-SSXX					
Antimony		450	J	1100	ug/Kg	6010B
Arsenic		11000		1100	ug/Kg	6010B
Copper		2300000		2700	ug/Kg	6010B
Iron		13000000		11000	ug/Kg	6010B
Lead		120000		320	ug/Kg	6010B
Percent Solids		85		0.10	%	Moisture
Percent Moisture		15		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-24831-11	LLI01-32SE-0502-SSXX					
Arsenic		6700		1100	ug/Kg	6010B
Copper		1200000		2700	ug/Kg	6010B
Iron		10000000		11000	ug/Kg	6010B
Lead		98000		330	ug/Kg	6010B
Percent Solids		81		0.10	%	Moisture
Percent Moisture		19		0.10	%	Moisture
240-24831-12	LLI01-32SE-0205-SSXX					
Arsenic		4000		1100	ug/Kg	6010B
Copper		350000		2700	ug/Kg	6010B
Iron		8700000		11000	ug/Kg	6010B
Lead		9100		320	ug/Kg	6010B
Percent Solids		82		0.10	%	Moisture
Percent Moisture		18		0.10	%	Moisture
240-24831-13	LLI01-24SE-0005-SSXX					
Arsenic		4400		1100	ug/Kg	6010B
Copper		660000		2700	ug/Kg	6010B
Iron		9500000		11000	ug/Kg	6010B
Lead		66000		320	ug/Kg	6010B
Percent Solids		85		0.10	%	Moisture
Percent Moisture		15		0.10	%	Moisture
240-24831-14	LLI01-24SE-0502-SSXX					
Arsenic		4200		1100	ug/Kg	6010B
Copper		1300000		2700	ug/Kg	6010B
Iron		9300000		11000	ug/Kg	6010B
Lead		110000		320	ug/Kg	6010B
Percent Solids		83		0.10	%	Moisture
Percent Moisture		17		0.10	%	Moisture
240-24831-15	LLI01-24SE-0205-SSXX					
Arsenic		3600		1200	ug/Kg	6010B
Copper		130000		2900	ug/Kg	6010B
Iron		7100000		12000	ug/Kg	6010B
Lead		5300		350	ug/Kg	6010B
Percent Solids		84		0.10	%	Moisture
Percent Moisture		16		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-24831-16	LLI01-24SE-DUP1-SSXX					
Arsenic		9600		1000	ug/Kg	6010B
Copper		950000		2500	ug/Kg	6010B
Iron		14000000		10000	ug/Kg	6010B
Lead		140000		300	ug/Kg	6010B
Percent Solids		86		0.10	%	Moisture
Percent Moisture		14		0.10	%	Moisture
240-24831-17	LLI01-24SW-0005-SSXX					
Arsenic		4700		1100	ug/Kg	6010B
Copper		810000		2700	ug/Kg	6010B
Iron		12000000		11000	ug/Kg	6010B
Lead		72000		320	ug/Kg	6010B
Percent Solids		84		0.10	%	Moisture
Percent Moisture		16		0.10	%	Moisture
240-24831-18	LLI01-24SW-0502-SSXX					
Arsenic		5500		1100	ug/Kg	6010B
Copper		230000		2900	ug/Kg	6010B
Iron		10000000		11000	ug/Kg	6010B
Lead		7300		340	ug/Kg	6010B
Percent Solids		81		0.10	%	Moisture
Percent Moisture		19		0.10	%	Moisture
240-24831-19	LLI01-24SW-0205-SSXX					
Antimony		1700		1200	ug/Kg	6010B
Arsenic		6700		1200	ug/Kg	6010B
Copper		2800000		3000	ug/Kg	6010B
Iron		16000000	B	12000	ug/Kg	6010B
Lead		77000		370	ug/Kg	6010B
Percent Solids		80		0.10	%	Moisture
Percent Moisture		20		0.10	%	Moisture
240-24831-20	LLI01-26SW-0005-SSXX					
Antimony		1200		1100	ug/Kg	6010B
Arsenic		8900		1100	ug/Kg	6010B
Copper		610000		2900	ug/Kg	6010B
Iron		19000000	B	11000	ug/Kg	6010B
Lead		49000		340	ug/Kg	6010B
Percent Solids		80		0.10	%	Moisture
Percent Moisture		20		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-24831-21	LLI01-26SW-0502-SSXX					
Antimony		1500		1200	ug/Kg	6010B
Arsenic		25000		1200	ug/Kg	6010B
Copper		1200000		3000	ug/Kg	6010B
Iron		27000000	B	12000	ug/Kg	6010B
Lead		290000		360	ug/Kg	6010B
Percent Solids		76		0.10	%	Moisture
Percent Moisture		24		0.10	%	Moisture
240-24831-22	LLI01-26SW-0205-SSXX					
Antimony		530	J	1100	ug/Kg	6010B
Arsenic		23000		1100	ug/Kg	6010B
Copper		71000		2700	ug/Kg	6010B
Iron		21000000	B	11000	ug/Kg	6010B
Lead		12000		330	ug/Kg	6010B
Percent Solids		88		0.10	%	Moisture
Percent Moisture		12		0.10	%	Moisture
240-24831-23	LLI01-26NE-0005-SSXX					
Antimony		6700		1400	ug/Kg	6010B
Arsenic		20000		1400	ug/Kg	6010B
Copper		6800000		17000	ug/Kg	6010B
Iron		27000000	B	14000	ug/Kg	6010B
Lead		3500000		2100	ug/Kg	6010B
Percent Solids		66		0.10	%	Moisture
Percent Moisture		34		0.10	%	Moisture
240-24831-24	LLI01-26NE-0502-SSXX					
Antimony		840	J	1200	ug/Kg	6010B
Arsenic		8500		1200	ug/Kg	6010B
Copper		6100000		14000	ug/Kg	6010B
Iron		20000000	B	12000	ug/Kg	6010B
Lead		50000		350	ug/Kg	6010B
Percent Solids		83		0.10	%	Moisture
Percent Moisture		17		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-24831-25	LLI01-26NE-0205-SSXX					
Arsenic		4800		970	ug/Kg	6010B
Copper		140000		2400	ug/Kg	6010B
Iron		9100000	B	9700	ug/Kg	6010B
Lead		11000		290	ug/Kg	6010B
Percent Solids		87		0.10	%	Moisture
Percent Moisture		13		0.10	%	Moisture
240-24831-26	LLI01-34SE-0005-SSXX					
Antimony		1300		1200	ug/Kg	6010B
Arsenic		12000		1200	ug/Kg	6010B
Copper		1400000		2900	ug/Kg	6010B
Iron		14000000	B	12000	ug/Kg	6010B
Lead		290000		350	ug/Kg	6010B
Percent Solids		83		0.10	%	Moisture
Percent Moisture		17		0.10	%	Moisture
240-24831-27	LLI01-34SE-0502-SSXX					
Antimony		3000		2100	ug/Kg	6010B
Arsenic		15000		1100	ug/Kg	6010B
Copper		2000000		2700	ug/Kg	6010B
Iron		65000000	B	21000	ug/Kg	6010B
Lead		2700000		640	ug/Kg	6010B
Percent Solids		75		0.10	%	Moisture
Percent Moisture		25		0.10	%	Moisture
240-24831-28	LLI01-34NE-0005-SSXX					
Antimony		740	J	900	ug/Kg	6010B
Arsenic		6200		900	ug/Kg	6010B
Copper		1200000		2300	ug/Kg	6010B
Iron		12000000	B	9000	ug/Kg	6010B
Lead		260000		270	ug/Kg	6010B
Percent Solids		85		0.10	%	Moisture
Percent Moisture		15		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-24831-29	LLI01-34NE-0502-SSXX					
Antimony		3300		990	ug/Kg	6010B
Arsenic		15000		990	ug/Kg	6010B
Copper		1000000		2500	ug/Kg	6010B
Iron		16000000	B	9900	ug/Kg	6010B
Lead		110000		300	ug/Kg	6010B
Percent Solids		80		0.10	%	Moisture
Percent Moisture		20		0.10	%	Moisture
240-24831-30	LLI01-34NE-0205-SSXX					
Arsenic		7000		1200	ug/Kg	6010B
Copper		300000		3100	ug/Kg	6010B
Iron		16000000	B	12000	ug/Kg	6010B
Lead		24000		370	ug/Kg	6010B
Percent Solids		77		0.10	%	Moisture
Percent Moisture		23		0.10	%	Moisture
240-24831-31	LLI01-34NE-DUP2-SSXX					
Antimony		460	J	1100	ug/Kg	6010B
Arsenic		7700		1100	ug/Kg	6010B
Copper		310000		2700	ug/Kg	6010B
Iron		14000000	B	11000	ug/Kg	6010B
Lead		13000		330	ug/Kg	6010B
Percent Solids		84		0.10	%	Moisture
Percent Moisture		16		0.10	%	Moisture
240-24831-32	LLI01-64NW-0005-SSXX					
Antimony		1600		1000	ug/Kg	6010B
Arsenic		6200		1000	ug/Kg	6010B
Copper		2200000		2500	ug/Kg	6010B
Iron		13000000	B	10000	ug/Kg	6010B
Lead		130000		300	ug/Kg	6010B
Percent Solids		85		0.10	%	Moisture
Percent Moisture		15		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-24831-33	LLI01-64NW-0502-SSXX					
Antimony		940	J	1100	ug/Kg	6010B
Arsenic		3000		1100	ug/Kg	6010B
Copper		1200000		2700	ug/Kg	6010B
Iron		8900000	B	11000	ug/Kg	6010B
Lead		49000		320	ug/Kg	6010B
Percent Solids		86		0.10	%	Moisture
Percent Moisture		14		0.10	%	Moisture
240-24831-34	LLI01-64NW-0205-SSXX					
Antimony		950	J	1100	ug/Kg	6010B
Arsenic		9500		1100	ug/Kg	6010B
Copper		3400000		13000	ug/Kg	6010B
Iron		17000000	B	11000	ug/Kg	6010B
Lead		390000		320	ug/Kg	6010B
Percent Solids		84		0.10	%	Moisture
Percent Moisture		16		0.10	%	Moisture
240-24831-35	LLI01-DUP4-XXXX-SSXX					
Antimony		1300		950	ug/Kg	6010B
Arsenic		17000		950	ug/Kg	6010B
Copper		7600000		12000	ug/Kg	6010B
Iron		19000000	B	9500	ug/Kg	6010B
Lead		440000		280	ug/Kg	6010B
Percent Solids		83		0.10	%	Moisture
Percent Moisture		17		0.10	%	Moisture
240-24831-36	LLI01-72SW-0005-SSXX					
Antimony		1600		1100	ug/Kg	6010B
Arsenic		5600		1100	ug/Kg	6010B
Copper		5300000		14000	ug/Kg	6010B
Iron		14000000	B	11000	ug/Kg	6010B
Lead		77000		330	ug/Kg	6010B
Percent Solids		83		0.10	%	Moisture
Percent Moisture		17		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-24831-37	LLI01-72SW-0502-SSXX					
Antimony		390	J	940	ug/Kg	6010B
Arsenic		3700		940	ug/Kg	6010B
Copper		1400000		2400	ug/Kg	6010B
Iron		12000000	B	9400	ug/Kg	6010B
Lead		31000		280	ug/Kg	6010B
Percent Solids		89		0.10	%	Moisture
Percent Moisture		11		0.10	%	Moisture
240-24831-38	LLI01-72SW-0205-SSXX					
Antimony		1700		900	ug/Kg	6010B
Arsenic		6900		900	ug/Kg	6010B
Copper		5700000		11000	ug/Kg	6010B
Iron		24000000	B	9000	ug/Kg	6010B
Lead		160000		270	ug/Kg	6010B
Percent Solids		86		0.10	%	Moisture
Percent Moisture		14		0.10	%	Moisture
240-24831-39	LLI01-70NE-0005-SSXX					
Antimony		1100		1000	ug/Kg	6010B
Arsenic		7600		1000	ug/Kg	6010B
Copper		5600000		13000	ug/Kg	6010B
Iron		16000000		10000	ug/Kg	6010B
Lead		62000		1600	ug/Kg	6010B
Percent Solids		82		0.10	%	Moisture
Percent Moisture		18		0.10	%	Moisture
240-24831-40	LLI01-70NE-0502-SSXX					
Arsenic		1300		910	ug/Kg	6010B
Copper		22000		2300	ug/Kg	6010B
Iron		9900000		9100	ug/Kg	6010B
Lead		1400		270	ug/Kg	6010B
Percent Solids		92		0.10	%	Moisture
Percent Moisture		7.9		0.10	%	Moisture
240-24831-41	LLI01-70NE-0205-SSXX					
Arsenic		900	J	1000	ug/Kg	6010B
Copper		7100		2600	ug/Kg	6010B
Iron		4500000		10000	ug/Kg	6010B
Lead		850		310	ug/Kg	6010B
Percent Solids		92		0.10	%	Moisture
Percent Moisture		8.0		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-24831-42	LLI01-70NW-0005-SSXX					
Arsenic		3800		1100	ug/Kg	6010B
Copper		1600000		2800	ug/Kg	6010B
Iron		12000000		11000	ug/Kg	6010B
Lead		51000		340	ug/Kg	6010B
Percent Solids		84		0.10	%	Moisture
Percent Moisture		16		0.10	%	Moisture
240-24831-43	LLI01-70NW-0502-SSXX					
Arsenic		3900		1100	ug/Kg	6010B
Copper		1100000		2800	ug/Kg	6010B
Iron		19000000		11000	ug/Kg	6010B
Lead		56000		340	ug/Kg	6010B
Percent Solids		85		0.10	%	Moisture
Percent Moisture		15		0.10	%	Moisture
240-24831-44	LLI01-70NW-0205-SSXX					
Arsenic		1600		1000	ug/Kg	6010B
Copper		22000		2600	ug/Kg	6010B
Iron		12000000		10000	ug/Kg	6010B
Lead		2100		310	ug/Kg	6010B
Percent Solids		85		0.10	%	Moisture
Percent Moisture		15		0.10	%	Moisture
240-24831-45	LLI01-DUP3-XXXX-SSXX					
Arsenic		1800		920	ug/Kg	6010B
Copper		24000		2300	ug/Kg	6010B
Iron		12000000		9200	ug/Kg	6010B
Lead		2200		270	ug/Kg	6010B
Percent Solids		83		0.10	%	Moisture
Percent Moisture		17		0.10	%	Moisture
240-24831-46	LLI01-70SW-0005-SSXX					
Arsenic		5000		1100	ug/Kg	6010B
Copper		1300000		2900	ug/Kg	6010B
Iron		12000000		11000	ug/Kg	6010B
Lead		35000		340	ug/Kg	6010B
Percent Solids		84		0.10	%	Moisture
Percent Moisture		16		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-24831-47	LLI01-70SW-0502-SSXX					
Arsenic		1100		930	ug/Kg	6010B
Copper		13000		2300	ug/Kg	6010B
Iron		5400000		9300	ug/Kg	6010B
Lead		1400		280	ug/Kg	6010B
Percent Solids		91		0.10	%	Moisture
Percent Moisture		9.0		0.10	%	Moisture
240-24831-48	LLI01-70SW-0205-SSXX					
Arsenic		1500		990	ug/Kg	6010B
Copper		17000		2500	ug/Kg	6010B
Iron		9500000		9900	ug/Kg	6010B
Lead		1600		300	ug/Kg	6010B
Percent Solids		86		0.10	%	Moisture
Percent Moisture		14		0.10	%	Moisture
240-24831-49	LLI01-31SW-0005-SSXX					
Antimony		1800		1800	ug/Kg	6010B
Arsenic		68000		1800	ug/Kg	6010B
Copper		8700000		22000	ug/Kg	6010B
Iron		44000000		18000	ug/Kg	6010B
Lead		1800000		2700	ug/Kg	6010B
Percent Solids		52		0.10	%	Moisture
Percent Moisture		48		0.10	%	Moisture
240-24831-50	LLI01-31SW-0502-SSXX					
Antimony		46000		12000	ug/Kg	6010B
Arsenic		210000		1200	ug/Kg	6010B
Copper		12000000		30000	ug/Kg	6010B
Iron		110000000		120000	ug/Kg	6010B
Lead		13000000		3600	ug/Kg	6010B
Percent Solids		66		0.10	%	Moisture
Percent Moisture		34		0.10	%	Moisture
240-24831-51	LLI01-23SW-0005-SSXX					
Arsenic		40000		1300	ug/Kg	6010B
Copper		380000		3300	ug/Kg	6010B
Iron		18000000		13000	ug/Kg	6010B
Lead		26000		400	ug/Kg	6010B
Percent Solids		64		0.10	%	Moisture
Percent Moisture		36		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-24831-52	LLI01-23SW-0502-SSXX					
Arsenic		140000		1000	ug/Kg	6010B
Copper		1800000		2600	ug/Kg	6010B
Iron		30000000		10000	ug/Kg	6010B
Lead		1300000		310	ug/Kg	6010B
Percent Solids		72		0.10	%	Moisture
Percent Moisture		28		0.10	%	Moisture

METHOD SUMMARY

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Metals (ICP)	TAL CAN	SW846 6010B	
Preparation, Metals	TAL CAN		SW846 3050B
Percent Moisture	TAL CAN	EPA Moisture	

Lab References:

TAL CAN = TestAmerica Canton

Method References:

EPA = US Environmental Protection Agency

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

METHOD / ANALYST SUMMARY

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Method	Analyst	Analyst ID
SW846 6010B	Counts, Karen	KC
SW846 6010B	Girard, Susan	SG
SW846 6010B	Toth, Natalie J	NJT
EPA Moisture	Politis, Vesna	VP

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Client Sample ID: LLI01-41NW-0005-SSXX

Lab Sample ID: 240-24831-1

Date Sampled: 05/21/2013 1531

Client Matrix: Solid

% Moisture: 17.0

Date Received: 05/23/2013 0915

6010B Metals (ICP)

Analysis Method: 6010B

Analysis Batch: 240-87566

Instrument ID: I9

Prep Method: 3050B

Prep Batch: 240-87262

Lab File ID: I9052813A.asc

Dilution: 1.0

Initial Weight/Volume: 1.07 g

Analysis Date: 05/28/2013 2116

Final Weight/Volume: 100 mL

Prep Date: 05/24/2013 1022

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Antimony		1100	U	440	1100
Arsenic		6200		340	1100
Copper		930000		830	2800
Iron		13000000		5500	11000
Lead		42000		210	340

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Client Sample ID: LLI01-41NW-0502-SSXX

Lab Sample ID: 240-24831-2

Date Sampled: 05/21/2013 1532

Client Matrix: Solid

% Moisture: 15.2

Date Received: 05/23/2013 0915

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-87566	Instrument ID:	I9
Prep Method:	3050B	Prep Batch:	240-87262	Lab File ID:	I9052813A.asc
Dilution:	1.0			Initial Weight/Volume:	1.03 g
Analysis Date:	05/28/2013 2120			Final Weight/Volume:	100 mL
Prep Date:	05/24/2013 1022				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Antimony		1100	U	450	1100
Arsenic		3900		340	1100
Iron		7000000		5600	11000

Analysis Method:	6010B	Analysis Batch:	240-87761	Instrument ID:	I9
Prep Method:	3050B	Prep Batch:	240-87262	Lab File ID:	I9052913A.asc
Dilution:	1.0			Initial Weight/Volume:	1.03 g
Analysis Date:	05/30/2013 0244			Final Weight/Volume:	100 mL
Prep Date:	05/24/2013 1022				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Copper		120000		850	2900

Analysis Method:	6010B	Analysis Batch:	240-88126	Instrument ID:	I9
Prep Method:	3050B	Prep Batch:	240-87262	Lab File ID:	I9053113A.asc
Dilution:	1.0			Initial Weight/Volume:	1.03 g
Analysis Date:	05/31/2013 1416			Final Weight/Volume:	100 mL
Prep Date:	05/24/2013 1022				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Lead		470000		220	340

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Client Sample ID: LLI01-41NW-0205-SSXX

Lab Sample ID: 240-24831-3

Date Sampled: 05/21/2013 1533

Client Matrix: Solid

% Moisture: 7.4

Date Received: 05/23/2013 0915

6010B Metals (ICP)

Analysis Method: 6010B

Analysis Batch: 240-87566

Instrument ID: I9

Prep Method: 3050B

Prep Batch: 240-87262

Lab File ID: I9052813A.asc

Dilution: 1.0

Initial Weight/Volume: 1.20 g

Analysis Date: 05/28/2013 2123

Final Weight/Volume: 100 mL

Prep Date: 05/24/2013 1022

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Antimony		900	U	350	900
Arsenic		1600		270	900
Copper		240000		670	2300
Iron		5600000		4400	9000
Lead		13000		170	270

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Client Sample ID: LLI01-41SW-0005-SSXX

Lab Sample ID: 240-24831-4

Date Sampled: 05/21/2013 1540

Client Matrix: Solid

% Moisture: 16.5

Date Received: 05/23/2013 0915

6010B Metals (ICP)

Analysis Method: 6010B

Analysis Batch: 240-87566

Instrument ID: I9

Prep Method: 3050B

Prep Batch: 240-87262

Lab File ID: I9052813A.asc

Dilution: 1.0

Initial Weight/Volume: 1.26 g

Analysis Date: 05/28/2013 2127

Final Weight/Volume: 100 mL

Prep Date: 05/24/2013 1022

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Antimony		950	U	370	950
Arsenic		7600		290	950
Copper		1200000		700	2400
Iron		12000000		4700	9500
Lead		76000		180	290

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Client Sample ID: LLI01-41SW-0502-SSXX

Lab Sample ID: 240-24831-5

Date Sampled: 05/21/2013 1541

Client Matrix: Solid

% Moisture: 19.4

Date Received: 05/23/2013 0915

6010B Metals (ICP)

Analysis Method: 6010B

Analysis Batch: 240-87566

Instrument ID: I9

Prep Method: 3050B

Prep Batch: 240-87262

Lab File ID: I9052813A.asc

Dilution: 1.0

Initial Weight/Volume: 1.04 g

Analysis Date: 05/28/2013 2139

Final Weight/Volume: 100 mL

Prep Date: 05/24/2013 1022

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Antimony		1200	U	470	1200
Arsenic		6700		360	1200
Copper		1500000		880	3000
Iron		12000000		5800	12000
Lead		79000		230	360

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Client Sample ID: LLI01-41SW-0205-SSXX

Lab Sample ID: 240-24831-6

Date Sampled: 05/21/2013 1542

Client Matrix: Solid

% Moisture: 10.0

Date Received: 05/23/2013 0915

6010B Metals (ICP)

Analysis Method: 6010B

Analysis Batch: 240-87566

Instrument ID: I9

Prep Method: 3050B

Prep Batch: 240-87262

Lab File ID: I9052813A.asc

Dilution: 1.0

Initial Weight/Volume: 1.14 g

Analysis Date: 05/28/2013 2143

Final Weight/Volume: 100 mL

Prep Date: 05/24/2013 1022

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Antimony		970	U	380	970
Arsenic		2400		290	970
Copper		880000		720	2400
Iron		18000000		4800	9700
Lead		15000		190	290

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Client Sample ID: LLI01-33NW-0005-SSXX

Lab Sample ID: 240-24831-7

Date Sampled: 05/21/2013 1545

Client Matrix: Solid

% Moisture: 15.2

Date Received: 05/23/2013 0915

6010B Metals (ICP)

Analysis Method: 6010B

Analysis Batch: 240-87566

Instrument ID: I9

Prep Method: 3050B

Prep Batch: 240-87262

Lab File ID: I9052813A.asc

Dilution: 1.0

Initial Weight/Volume: 1.12 g

Analysis Date: 05/28/2013 2147

Final Weight/Volume: 100 mL

Prep Date: 05/24/2013 1022

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Antimony		680	J	410	1100
Arsenic		5900		320	1100
Copper		1800000		780	2600
Iron		10000000		5200	11000
Lead		91000		200	320

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Client Sample ID: LLI01-33NW-0502-SSXX

Lab Sample ID: 240-24831-8

Date Sampled: 05/21/2013 1546

Client Matrix: Solid

% Moisture: 14.4

Date Received: 05/23/2013 0915

6010B Metals (ICP)

Analysis Method: 6010B

Analysis Batch: 240-87566

Instrument ID: I9

Prep Method: 3050B

Prep Batch: 240-87262

Lab File ID: I9052813A.asc

Dilution: 1.0

Initial Weight/Volume: 1.10 g

Analysis Date: 05/28/2013 2151

Final Weight/Volume: 100 mL

Prep Date: 05/24/2013 1022

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Antimony		1100	U	410	1100
Arsenic		8400		320	1100
Copper		640000		790	2700
Iron		9300000		5200	11000
Lead		63000		200	320

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Client Sample ID: LLI01-33NW-0205-SSXX

Lab Sample ID: 240-24831-9

Date Sampled: 05/21/2013 1547

Client Matrix: Solid

% Moisture: 11.3

Date Received: 05/23/2013 0915

6010B Metals (ICP)

Analysis Method: 6010B

Analysis Batch: 240-87566

Instrument ID: I9

Prep Method: 3050B

Prep Batch: 240-87262

Lab File ID: I9052813A.asc

Dilution: 1.0

Initial Weight/Volume: 1.09 g

Analysis Date: 05/28/2013 2155

Final Weight/Volume: 100 mL

Prep Date: 05/24/2013 1022

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Antimony		1000	U	400	1000
Arsenic		2000		310	1000
Copper		2100000		770	2600
Iron		7900000		5100	10000
Lead		36000		200	310

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Client Sample ID: LLI01-32SE-0005-SSXX

Lab Sample ID: 240-24831-10

Date Sampled: 05/21/2013 1550

Client Matrix: Solid

% Moisture: 14.8

Date Received: 05/23/2013 0915

6010B Metals (ICP)

Analysis Method: 6010B

Analysis Batch: 240-87566

Instrument ID: I9

Prep Method: 3050B

Prep Batch: 240-87262

Lab File ID: I9052813A.asc

Dilution: 1.0

Initial Weight/Volume: 1.09 g

Analysis Date: 05/28/2013 2159

Final Weight/Volume: 100 mL

Prep Date: 05/24/2013 1022

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Antimony		450	J	420	1100
Arsenic		11000		320	1100
Copper		2300000		800	2700
Iron		13000000		5300	11000
Lead		120000		200	320

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Client Sample ID: LLI01-32SE-0502-SSXX

Lab Sample ID: 240-24831-11

Date Sampled: 05/21/2013 1551

Client Matrix: Solid

% Moisture: 19.5

Date Received: 05/23/2013 0915

6010B Metals (ICP)

Analysis Method: 6010B

Analysis Batch: 240-87566

Instrument ID: I9

Prep Method: 3050B

Prep Batch: 240-87262

Lab File ID: I9052813A.asc

Dilution: 1.0

Initial Weight/Volume: 1.14 g

Analysis Date: 05/28/2013 2204

Final Weight/Volume: 100 mL

Prep Date: 05/24/2013 1022

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Antimony		1100	U	420	1100
Arsenic		6700		330	1100
Copper		1200000		810	2700
Iron		10000000		5300	11000
Lead		98000		210	330

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Client Sample ID: LLI01-32SE-0205-SSXX

Lab Sample ID: 240-24831-12

Date Sampled: 05/21/2013 1552

Client Matrix: Solid

% Moisture: 17.9

Date Received: 05/23/2013 0915

6010B Metals (ICP)

Analysis Method: 6010B

Analysis Batch: 240-87566

Instrument ID: I9

Prep Method: 3050B

Prep Batch: 240-87262

Lab File ID: I9052813A.asc

Dilution: 1.0

Initial Weight/Volume: 1.14 g

Analysis Date: 05/28/2013 2207

Final Weight/Volume: 100 mL

Prep Date: 05/24/2013 1022

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Antimony		1100	U	420	1100
Arsenic		4000		320	1100
Copper		350000		790	2700
Iron		8700000		5200	11000
Lead		9100		200	320

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Client Sample ID: LLI01-24SE-0005-SSXX

Lab Sample ID: 240-24831-13

Date Sampled: 05/21/2013 1556

Client Matrix: Solid

% Moisture: 15.0

Date Received: 05/23/2013 0915

6010B Metals (ICP)

Analysis Method: 6010B

Analysis Batch: 240-87566

Instrument ID: I9

Prep Method: 3050B

Prep Batch: 240-87262

Lab File ID: I9052813A.asc

Dilution: 1.0

Initial Weight/Volume: 1.09 g

Analysis Date: 05/28/2013 2211

Final Weight/Volume: 100 mL

Prep Date: 05/24/2013 1022

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Antimony		1100	U	420	1100
Arsenic		4400		320	1100
Copper		660000		800	2700
Iron		9500000		5300	11000
Lead		66000		200	320

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Client Sample ID: LLI01-24SE-0502-SSXX

Lab Sample ID: 240-24831-14

Date Sampled: 05/21/2013 1557

Client Matrix: Solid

% Moisture: 17.0

Date Received: 05/23/2013 0915

6010B Metals (ICP)

Analysis Method: 6010B

Analysis Batch: 240-87566

Instrument ID: I9

Prep Method: 3050B

Prep Batch: 240-87262

Lab File ID: I9052813A.asc

Dilution: 1.0

Initial Weight/Volume: 1.13 g

Analysis Date: 05/28/2013 2215

Final Weight/Volume: 100 mL

Prep Date: 05/24/2013 1022

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Antimony		1100	U	420	1100
Arsenic		4200		320	1100
Copper		1300000		790	2700
Iron		9300000		5200	11000
Lead		110000		200	320

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Client Sample ID: LLI01-24SE-0205-SSXX

Lab Sample ID: 240-24831-15

Date Sampled: 05/21/2013 1558

Client Matrix: Solid

% Moisture: 15.9

Date Received: 05/23/2013 0915

6010B Metals (ICP)

Analysis Method: 6010B

Analysis Batch: 240-87566

Instrument ID: I9

Prep Method: 3050B

Prep Batch: 240-87262

Lab File ID: I9052813A.asc

Dilution: 1.0

Initial Weight/Volume: 1.01 g

Analysis Date: 05/28/2013 2231

Final Weight/Volume: 100 mL

Prep Date: 05/24/2013 1022

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Antimony		1200	U	460	1200
Arsenic		3600		350	1200
Copper		130000		870	2900
Iron		7100000		5800	12000
Lead		5300		220	350

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Client Sample ID: LLI01-24SE-DUP1-SSXX

Lab Sample ID: 240-24831-16

Date Sampled: 05/21/2013 1557

Client Matrix: Solid

% Moisture: 13.6

Date Received: 05/23/2013 0915

6010B Metals (ICP)

Analysis Method: 6010B

Analysis Batch: 240-87566

Instrument ID: I9

Prep Method: 3050B

Prep Batch: 240-87262

Lab File ID: I9052813A.asc

Dilution: 1.0

Initial Weight/Volume: 1.15 g

Analysis Date: 05/28/2013 2227

Final Weight/Volume: 100 mL

Prep Date: 05/24/2013 1022

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Antimony		1000	U	390	1000
Arsenic		9600		300	1000
Copper		950000		740	2500
Iron		14000000		4900	10000
Lead		140000		190	300

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Client Sample ID: LLI01-24SW-0005-SSXX

Lab Sample ID: 240-24831-17

Date Sampled: 05/21/2013 1601

Client Matrix: Solid

% Moisture: 16.2

Date Received: 05/23/2013 0915

6010B Metals (ICP)

Analysis Method: 6010B

Analysis Batch: 240-87566

Instrument ID: I9

Prep Method: 3050B

Prep Batch: 240-87262

Lab File ID: I9052813A.asc

Dilution: 1.0

Initial Weight/Volume: 1.11 g

Analysis Date: 05/28/2013 2059

Final Weight/Volume: 100 mL

Prep Date: 05/24/2013 1022

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Antimony		1100	U	420	1100
Arsenic		4700		320	1100
Copper		810000		800	2700
Iron		12000000		5300	11000
Lead		72000		200	320

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Client Sample ID: LLI01-24SW-0502-SSXX

Lab Sample ID: 240-24831-18

Date Sampled: 05/21/2013 1603

Client Matrix: Solid

% Moisture: 19.1

Date Received: 05/23/2013 0915

6010B Metals (ICP)

Analysis Method: 6010B

Analysis Batch: 240-87566

Instrument ID: I9

Prep Method: 3050B

Prep Batch: 240-87262

Lab File ID: I9052813A.asc

Dilution: 1.0

Initial Weight/Volume: 1.08 g

Analysis Date: 05/28/2013 2235

Final Weight/Volume: 100 mL

Prep Date: 05/24/2013 1022

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Antimony		1100	U	450	1100
Arsenic		5500		340	1100
Copper		230000		850	2900
Iron		10000000		5600	11000
Lead		7300		220	340

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Client Sample ID: LLI01-24SW-0205-SSXX

Lab Sample ID: 240-24831-19

Date Sampled: 05/21/2013 1604

Client Matrix: Solid

% Moisture: 19.6

Date Received: 05/23/2013 0915

6010B Metals (ICP)

Analysis Method: 6010B

Analysis Batch: 240-88585

Instrument ID: I6

Prep Method: 3050B

Prep Batch: 240-87268

Lab File ID: I60604B

Dilution: 1.0

Initial Weight/Volume: 1.02 g

Analysis Date: 06/05/2013 0134

Final Weight/Volume: 100 mL

Prep Date: 05/24/2013 1056

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Antimony		1700		480	1200
Arsenic		6700		370	1200
Copper		2800000		900	3000
Iron		16000000	B	6000	12000
Lead		77000		230	370

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Client Sample ID: LLI01-26SW-0005-SSXX

Lab Sample ID: 240-24831-20

Date Sampled: 05/21/2013 1611

Client Matrix: Solid

% Moisture: 19.6

Date Received: 05/23/2013 0915

6010B Metals (ICP)

Analysis Method: 6010B

Analysis Batch: 240-88585

Instrument ID: I6

Prep Method: 3050B

Prep Batch: 240-87268

Lab File ID: I60604B

Dilution: 1.0

Initial Weight/Volume: 1.09 g

Analysis Date: 06/05/2013 0158

Final Weight/Volume: 100 mL

Prep Date: 05/24/2013 1056

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Antimony		1200		450	1100
Arsenic		8900		340	1100
Copper		610000		840	2900
Iron		19000000	B	5600	11000
Lead		49000		220	340

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Client Sample ID: LLI01-26SW-0502-SSXX

Lab Sample ID: 240-24831-21

Date Sampled: 05/21/2013 1612

Client Matrix: Solid

% Moisture: 24.1

Date Received: 05/23/2013 0915

6010B Metals (ICP)

Analysis Method: 6010B

Analysis Batch: 240-88585

Instrument ID: I6

Prep Method: 3050B

Prep Batch: 240-87268

Lab File ID: I60604B

Dilution: 1.0

Initial Weight/Volume: 1.11 g

Analysis Date: 06/05/2013 0204

Final Weight/Volume: 100 mL

Prep Date: 05/24/2013 1056

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Antimony		1500		460	1200
Arsenic		25000		360	1200
Copper		1200000		880	3000
Iron		27000000	B	5800	12000
Lead		290000		230	360

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Client Sample ID: LLI01-26SW-0205-SSXX

Lab Sample ID: 240-24831-22

Date Sampled: 05/21/2013 1613

Client Matrix: Solid

% Moisture: 12.2

Date Received: 05/23/2013 0915

6010B Metals (ICP)

Analysis Method: 6010B

Analysis Batch: 240-88585

Instrument ID: I6

Prep Method: 3050B

Prep Batch: 240-87268

Lab File ID: I60604B

Dilution: 1.0

Initial Weight/Volume: 1.05 g

Analysis Date: 06/05/2013 0210

Final Weight/Volume: 100 mL

Prep Date: 05/24/2013 1056

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Antimony		530	J	420	1100
Arsenic		23000		330	1100
Copper		71000		800	2700
Iron		21000000	B	5300	11000
Lead		12000		210	330

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Client Sample ID: LLI01-26NE-0005-SSXX

Lab Sample ID: 240-24831-23

Date Sampled: 05/21/2013 1616

Client Matrix: Solid

% Moisture: 33.6

Date Received: 05/23/2013 0915

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-88585	Instrument ID:	I6
Prep Method:	3050B	Prep Batch:	240-87268	Lab File ID:	I60604B
Dilution:	1.0			Initial Weight/Volume:	1.09 g
Analysis Date:	06/05/2013 0215			Final Weight/Volume:	100 mL
Prep Date:	05/24/2013 1056				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Antimony		6700		540	1400
Arsenic		20000		410	1400
Iron		27000000	B	6800	14000

Analysis Method:	6010B	Analysis Batch:	240-88759	Instrument ID:	I6
Prep Method:	3050B	Prep Batch:	240-87268	Lab File ID:	I60605A
Dilution:	5.0			Initial Weight/Volume:	1.09 g
Analysis Date:	06/05/2013 2052			Final Weight/Volume:	100 mL
Prep Date:	05/24/2013 1056				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Copper		6800000		5100	17000
Lead		3500000		1300	2100

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Client Sample ID: LLI01-26NE-0502-SSXX

Lab Sample ID: 240-24831-24

Date Sampled: 05/21/2013 1617

Client Matrix: Solid

% Moisture: 16.6

Date Received: 05/23/2013 0915

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-88585	Instrument ID:	I6
Prep Method:	3050B	Prep Batch:	240-87268	Lab File ID:	I60604B
Dilution:	1.0			Initial Weight/Volume:	1.04 g
Analysis Date:	06/05/2013 0221			Final Weight/Volume:	100 mL
Prep Date:	05/24/2013 1056				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Antimony		840	J	450	1200
Arsenic		8500		350	1200
Iron		20000000	B	5600	12000
Lead		50000		220	350

Analysis Method:	6010B	Analysis Batch:	240-88759	Instrument ID:	I6
Prep Method:	3050B	Prep Batch:	240-87268	Lab File ID:	I60605A
Dilution:	5.0			Initial Weight/Volume:	1.04 g
Analysis Date:	06/05/2013 2110			Final Weight/Volume:	100 mL
Prep Date:	05/24/2013 1056				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Copper		6100000		4300	14000

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Client Sample ID: LLI01-26NE-0205-SSXX

Lab Sample ID: 240-24831-25

Date Sampled: 05/21/2013 1618

Client Matrix: Solid

% Moisture: 13.0

Date Received: 05/23/2013 0915

6010B Metals (ICP)

Analysis Method: 6010B

Analysis Batch: 240-88585

Instrument ID: I6

Prep Method: 3050B

Prep Batch: 240-87268

Lab File ID: I60604B

Dilution: 1.0

Initial Weight/Volume: 1.18 g

Analysis Date: 06/05/2013 0239

Final Weight/Volume: 100 mL

Prep Date: 05/24/2013 1056

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Antimony		970	U	380	970
Arsenic		4800		290	970
Copper		140000		720	2400
Iron		9100000	B	4800	9700
Lead		11000		190	290

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Client Sample ID: LLI01-34SE-0005-SSXX

Lab Sample ID: 240-24831-26

Date Sampled: 05/21/2013 1621

Client Matrix: Solid

% Moisture: 17.1

Date Received: 05/23/2013 0915

6010B Metals (ICP)

Analysis Method: 6010B

Analysis Batch: 240-88585

Instrument ID: I6

Prep Method: 3050B

Prep Batch: 240-87268

Lab File ID: I60604B

Dilution: 1.0

Initial Weight/Volume: 1.04 g

Analysis Date: 06/05/2013 0245

Final Weight/Volume: 100 mL

Prep Date: 05/24/2013 1056

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Antimony		1300		450	1200
Arsenic		12000		350	1200
Copper		1400000		860	2900
Iron		14000000	B	5700	12000
Lead		290000		220	350

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Client Sample ID: LLI01-34SE-0502-SSXX

Lab Sample ID: 240-24831-27

Date Sampled: 05/21/2013 1622

Client Matrix: Solid

% Moisture: 25.2

Date Received: 05/23/2013 0915

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-88585	Instrument ID:	I6
Prep Method:	3050B	Prep Batch:	240-87268	Lab File ID:	I60604B
Dilution:	1.0			Initial Weight/Volume:	1.25 g
Analysis Date:	06/05/2013 0251			Final Weight/Volume:	100 mL
Prep Date:	05/24/2013 1056				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Arsenic		15000		320	1100
Copper		2000000		790	2700

Analysis Method:	6010B	Analysis Batch:	240-88759	Instrument ID:	I6
Prep Method:	3050B	Prep Batch:	240-87268	Lab File ID:	I60605A
Dilution:	2.0			Initial Weight/Volume:	1.25 g
Analysis Date:	06/05/2013 2116			Final Weight/Volume:	100 mL
Prep Date:	05/24/2013 1056				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Antimony		3000		830	2100
Iron		65000000	B	10000	21000
Lead		2700000		410	640

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Client Sample ID: LLI01-34NE-0005-SSXX

Lab Sample ID: 240-24831-28

Date Sampled: 05/21/2013 1624

Client Matrix: Solid

% Moisture: 15.4

Date Received: 05/23/2013 0915

6010B Metals (ICP)

Analysis Method: 6010B

Analysis Batch: 240-88585

Instrument ID: I6

Prep Method: 3050B

Prep Batch: 240-87268

Lab File ID: I60604B

Dilution: 1.0

Initial Weight/Volume: 1.31 g

Analysis Date: 06/05/2013 0257

Final Weight/Volume: 100 mL

Prep Date: 05/24/2013 1056

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Antimony		740	J	350	900
Arsenic		6200		270	900
Copper		1200000		670	2300
Iron		12000000	B	4400	9000
Lead		260000		170	270

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Client Sample ID: LLI01-34NE-0502-SSXX

Lab Sample ID: 240-24831-29

Date Sampled: 05/21/2013 1626

Client Matrix: Solid

% Moisture: 20.3

Date Received: 05/23/2013 0915

6010B Metals (ICP)

Analysis Method: 6010B

Analysis Batch: 240-88585

Instrument ID: I6

Prep Method: 3050B

Prep Batch: 240-87268

Lab File ID: I60604B

Dilution: 1.0

Initial Weight/Volume: 1.27 g

Analysis Date: 06/05/2013 0303

Final Weight/Volume: 100 mL

Prep Date: 05/24/2013 1056

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Antimony		3300		390	990
Arsenic		15000		300	990
Copper		1000000		730	2500
Iron		16000000	B	4800	9900
Lead		110000		190	300

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Client Sample ID: LLI01-34NE-0205-SSXX

Lab Sample ID: 240-24831-30

Date Sampled: 05/21/2013 1627

Client Matrix: Solid

% Moisture: 23.0

Date Received: 05/23/2013 0915

6010B Metals (ICP)

Analysis Method: 6010B

Analysis Batch: 240-88585

Instrument ID: I6

Prep Method: 3050B

Prep Batch: 240-87268

Lab File ID: I60604B

Dilution: 1.0

Initial Weight/Volume: 1.04 g

Analysis Date: 06/05/2013 0309

Final Weight/Volume: 100 mL

Prep Date: 05/24/2013 1056

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Antimony		1200	U	490	1200
Arsenic		7000		370	1200
Copper		300000		920	3100
Iron		16000000	B	6100	12000
Lead		24000		240	370

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Client Sample ID: LLI01-34NE-DUP2-SSXX

Lab Sample ID: 240-24831-31

Date Sampled: 05/21/2013 1628

Client Matrix: Solid

% Moisture: 16.4

Date Received: 05/23/2013 0915

6010B Metals (ICP)

Analysis Method: 6010B

Analysis Batch: 240-88585

Instrument ID: I6

Prep Method: 3050B

Prep Batch: 240-87268

Lab File ID: I60604B

Dilution: 1.0

Initial Weight/Volume: 1.10 g

Analysis Date: 06/05/2013 0315

Final Weight/Volume: 100 mL

Prep Date: 05/24/2013 1056

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Antimony		460	J	420	1100
Arsenic		7700		330	1100
Copper		310000		800	2700
Iron		14000000	B	5300	11000
Lead		13000		210	330

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Client Sample ID: LLI01-64NW-0005-SSXX

Lab Sample ID: 240-24831-32

Date Sampled: 05/22/2013 0755

Client Matrix: Solid

% Moisture: 15.4

Date Received: 05/23/2013 0915

6010B Metals (ICP)

Analysis Method: 6010B

Analysis Batch: 240-88585

Instrument ID: I6

Prep Method: 3050B

Prep Batch: 240-87268

Lab File ID: I60604B

Dilution: 1.0

Initial Weight/Volume: 1.18 g

Analysis Date: 06/05/2013 0321

Final Weight/Volume: 100 mL

Prep Date: 05/24/2013 1056

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Antimony		1600		390	1000
Arsenic		6200		300	1000
Copper		2200000		740	2500
Iron		13000000	B	4900	10000
Lead		130000		190	300

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Client Sample ID: LLI01-64NW-0502-SSXX

Lab Sample ID: 240-24831-33

Date Sampled: 05/22/2013 0756

Client Matrix: Solid

% Moisture: 14.0

Date Received: 05/23/2013 0915

6010B Metals (ICP)

Analysis Method: 6010B

Analysis Batch: 240-88585

Instrument ID: I6

Prep Method: 3050B

Prep Batch: 240-87268

Lab File ID: I60604B

Dilution: 1.0

Initial Weight/Volume: 1.09 g

Analysis Date: 06/05/2013 0327

Final Weight/Volume: 100 mL

Prep Date: 05/24/2013 1056

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Antimony		940	J	420	1100
Arsenic		3000		320	1100
Copper		1200000		790	2700
Iron		8900000	B	5200	11000
Lead		49000		200	320

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Client Sample ID: LLI01-64NW-0205-SSXX

Lab Sample ID: 240-24831-34

Date Sampled: 05/22/2013 0757

Client Matrix: Solid

% Moisture: 15.9

Date Received: 05/23/2013 0915

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-88585	Instrument ID:	I6
Prep Method:	3050B	Prep Batch:	240-87268	Lab File ID:	I60604B
Dilution:	1.0			Initial Weight/Volume:	1.12 g
Analysis Date:	06/05/2013 0333			Final Weight/Volume:	100 mL
Prep Date:	05/24/2013 1056				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Antimony		950	J	410	1100
Arsenic		9500		320	1100
Iron		17000000	B	5200	11000
Lead		390000		200	320

Analysis Method:	6010B	Analysis Batch:	240-88759	Instrument ID:	I6
Prep Method:	3050B	Prep Batch:	240-87268	Lab File ID:	I60605A
Dilution:	5.0			Initial Weight/Volume:	1.12 g
Analysis Date:	06/05/2013 2122			Final Weight/Volume:	100 mL
Prep Date:	05/24/2013 1056				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Copper		3400000		3900	13000

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Client Sample ID: LLI01-DUP4-XXXX-SSXX

Lab Sample ID: 240-24831-35

Date Sampled: 05/22/2013 0756

Client Matrix: Solid

% Moisture: 17.4

Date Received: 05/23/2013 0915

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-88585	Instrument ID:	I6
Prep Method:	3050B	Prep Batch:	240-87268	Lab File ID:	I60604B
Dilution:	1.0			Initial Weight/Volume:	1.28 g
Analysis Date:	06/05/2013 0351			Final Weight/Volume:	100 mL
Prep Date:	05/24/2013 1056				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Antimony		1300		370	950
Arsenic		17000		280	950
Iron		19000000	B	4600	9500
Lead		440000		180	280

Analysis Method:	6010B	Analysis Batch:	240-88759	Instrument ID:	I6
Prep Method:	3050B	Prep Batch:	240-87268	Lab File ID:	I60605A
Dilution:	5.0			Initial Weight/Volume:	1.28 g
Analysis Date:	06/05/2013 2128			Final Weight/Volume:	100 mL
Prep Date:	05/24/2013 1056				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Copper		7600000		3500	12000

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Client Sample ID: LLI01-72SW-0005-SSXX

Lab Sample ID: 240-24831-36

Date Sampled: 05/22/2013 0801

Client Matrix: Solid

% Moisture: 17.5

Date Received: 05/23/2013 0915

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-88585	Instrument ID:	I6
Prep Method:	3050B	Prep Batch:	240-87268	Lab File ID:	I60604B
Dilution:	1.0			Initial Weight/Volume:	1.09 g
Analysis Date:	06/05/2013 0357			Final Weight/Volume:	100 mL
Prep Date:	05/24/2013 1056				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Antimony		1600		430	1100
Arsenic		5600		330	1100
Iron		14000000	B	5400	11000
Lead		77000		210	330

Analysis Method:	6010B	Analysis Batch:	240-88759	Instrument ID:	I6
Prep Method:	3050B	Prep Batch:	240-87268	Lab File ID:	I60605A
Dilution:	5.0			Initial Weight/Volume:	1.09 g
Analysis Date:	06/05/2013 2134			Final Weight/Volume:	100 mL
Prep Date:	05/24/2013 1056				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Copper		5300000		4100	14000

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Client Sample ID: LLI01-72SW-0502-SSXX

Lab Sample ID: 240-24831-37

Date Sampled: 05/22/2013 0802

Client Matrix: Solid

% Moisture: 11.0

Date Received: 05/23/2013 0915

6010B Metals (ICP)

Analysis Method: 6010B

Analysis Batch: 240-88585

Instrument ID: I6

Prep Method: 3050B

Prep Batch: 240-87268

Lab File ID: I60604B

Dilution: 1.0

Initial Weight/Volume: 1.19 g

Analysis Date: 06/05/2013 0403

Final Weight/Volume: 100 mL

Prep Date: 05/24/2013 1056

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Antimony		390	J	370	940
Arsenic		3700		280	940
Copper		1400000		700	2400
Iron		12000000	B	4600	9400
Lead		31000		180	280

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Client Sample ID: LLI01-72SW-0205-SSXX

Lab Sample ID: 240-24831-38

Date Sampled: 05/22/2013 0803

Client Matrix: Solid

% Moisture: 14.2

Date Received: 05/23/2013 0915

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-88585	Instrument ID:	I6
Prep Method:	3050B	Prep Batch:	240-87268	Lab File ID:	I60604B
Dilution:	1.0			Initial Weight/Volume:	1.29 g
Analysis Date:	06/05/2013 0409			Final Weight/Volume:	100 mL
Prep Date:	05/24/2013 1056				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Antimony		1700		350	900
Arsenic		6900		270	900
Iron		24000000	B	4400	9000
Lead		160000		170	270

Analysis Method:	6010B	Analysis Batch:	240-88759	Instrument ID:	I6
Prep Method:	3050B	Prep Batch:	240-87268	Lab File ID:	I60605A
Dilution:	5.0			Initial Weight/Volume:	1.29 g
Analysis Date:	06/05/2013 2140			Final Weight/Volume:	100 mL
Prep Date:	05/24/2013 1056				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Copper		5700000		3300	11000

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Client Sample ID: LLI01-70NE-0005-SSXX

Lab Sample ID: 240-24831-39

Date Sampled: 05/22/2013 0812

Client Matrix: Solid

% Moisture: 18.0

Date Received: 05/23/2013 0915

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-88126	Instrument ID:	I9
Prep Method:	3050B	Prep Batch:	240-87274	Lab File ID:	I9053113A.asc
Dilution:	1.0			Initial Weight/Volume:	1.18 g
Analysis Date:	05/31/2013 2239			Final Weight/Volume:	100 mL
Prep Date:	05/24/2013 1146				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Antimony		1100		400	1000
Arsenic		7600		310	1000
Iron		16000000		5100	10000

Analysis Method:	6010B	Analysis Batch:	240-88126	Instrument ID:	I9
Prep Method:	3050B	Prep Batch:	240-87274	Lab File ID:	I9053113A.asc
Dilution:	5.0			Initial Weight/Volume:	1.18 g
Analysis Date:	05/31/2013 2243			Final Weight/Volume:	100 mL
Prep Date:	05/24/2013 1146				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Copper		5600000		3800	13000
Lead		62000		980	1600

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Client Sample ID: LLI01-70NE-0502-SSXX

Lab Sample ID: 240-24831-40

Date Sampled: 05/22/2013 0813

Client Matrix: Solid

% Moisture: 7.9

Date Received: 05/23/2013 0915

6010B Metals (ICP)

Analysis Method: 6010B

Analysis Batch: 240-88126

Instrument ID: I9

Prep Method: 3050B

Prep Batch: 240-87274

Lab File ID: I9053113A.asc

Dilution: 1.0

Initial Weight/Volume: 1.19 g

Analysis Date: 05/31/2013 2247

Final Weight/Volume: 100 mL

Prep Date: 05/24/2013 1146

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Antimony		910	U	360	910
Arsenic		1300		270	910
Copper		22000		680	2300
Iron		9900000		4500	9100
Lead		1400		170	270

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Client Sample ID: LLI01-70NE-0205-SSXX

Lab Sample ID: 240-24831-41

Date Sampled: 05/22/2013 0814

Client Matrix: Solid

% Moisture: 8.0

Date Received: 05/23/2013 0915

6010B Metals (ICP)

Analysis Method: 6010B

Analysis Batch: 240-88126

Instrument ID: I9

Prep Method: 3050B

Prep Batch: 240-87274

Lab File ID: I9053113A.asc

Dilution: 1.0

Initial Weight/Volume: 1.06 g

Analysis Date: 05/31/2013 2216

Final Weight/Volume: 100 mL

Prep Date: 05/24/2013 1146

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Antimony		1000	U	400	1000
Arsenic		900	J	310	1000
Copper		7100		760	2600
Iron		4500000		5000	10000
Lead		850		190	310

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Client Sample ID: LLI01-70NW-0005-SSXX

Lab Sample ID: 240-24831-42

Date Sampled: 05/22/2013 0818

Client Matrix: Solid

% Moisture: 16.0

Date Received: 05/23/2013 0915

6010B Metals (ICP)

Analysis Method: 6010B

Analysis Batch: 240-88126

Instrument ID: I9

Prep Method: 3050B

Prep Batch: 240-87274

Lab File ID: I9053113A.asc

Dilution: 1.0

Initial Weight/Volume: 1.06 g

Analysis Date: 05/31/2013 2251

Final Weight/Volume: 100 mL

Prep Date: 05/24/2013 1146

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Antimony		1100	U	440	1100
Arsenic		3800		340	1100
Copper		1600000		830	2800
Iron		12000000		5500	11000
Lead		51000		210	340

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Client Sample ID: LLI01-70NW-0502-SSXX

Lab Sample ID: 240-24831-43

Date Sampled: 05/22/2013 0819

Client Matrix: Solid

% Moisture: 14.8

Date Received: 05/23/2013 0915

6010B Metals (ICP)

Analysis Method: 6010B

Analysis Batch: 240-88126

Instrument ID: I9

Prep Method: 3050B

Prep Batch: 240-87274

Lab File ID: I9053113A.asc

Dilution: 1.0

Initial Weight/Volume: 1.04 g

Analysis Date: 05/31/2013 2255

Final Weight/Volume: 100 mL

Prep Date: 05/24/2013 1146

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Antimony		1100	U	440	1100
Arsenic		3900		340	1100
Copper		1100000		830	2800
Iron		19000000		5500	11000
Lead		56000		210	340

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Client Sample ID: LLI01-70NW-0205-SSXX

Lab Sample ID: 240-24831-44

Date Sampled: 05/22/2013 0820

Client Matrix: Solid

% Moisture: 14.9

Date Received: 05/23/2013 0915

6010B Metals (ICP)

Analysis Method: 6010B

Analysis Batch: 240-88345

Instrument ID: I9

Prep Method: 3050B

Prep Batch: 240-87274

Lab File ID: I9060313A.asc

Dilution: 1.0

Initial Weight/Volume: 1.13 g

Analysis Date: 06/03/2013 1630

Final Weight/Volume: 100 mL

Prep Date: 05/24/2013 1146

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Antimony		1000	U	410	1000
Arsenic		1600		310	1000
Copper		22000		770	2600
Iron		12000000		5100	10000
Lead		2100		200	310

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Client Sample ID: LLI01-DUP3-XXXX-SSXX

Lab Sample ID: 240-24831-45

Date Sampled: 05/22/2013 0820

Client Matrix: Solid

% Moisture: 16.7

Date Received: 05/23/2013 0915

6010B Metals (ICP)

Analysis Method: 6010B

Analysis Batch: 240-88126

Instrument ID: I9

Prep Method: 3050B

Prep Batch: 240-87274

Lab File ID: I9053113A.asc

Dilution: 1.0

Initial Weight/Volume: 1.31 g

Analysis Date: 05/31/2013 2303

Final Weight/Volume: 100 mL

Prep Date: 05/24/2013 1146

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Antimony		920	U	360	920
Arsenic		1800		270	920
Copper		24000		680	2300
Iron		12000000		4500	9200
Lead		2200		170	270

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Client Sample ID: LLI01-70SW-0005-SSXX

Lab Sample ID: 240-24831-46

Date Sampled: 05/22/2013 0831

Client Matrix: Solid

% Moisture: 16.3

Date Received: 05/23/2013 0915

6010B Metals (ICP)

Analysis Method: 6010B

Analysis Batch: 240-88126

Instrument ID: I9

Prep Method: 3050B

Prep Batch: 240-87274

Lab File ID: I9053113A.asc

Dilution: 1.0

Initial Weight/Volume: 1.04 g

Analysis Date: 05/31/2013 2307

Final Weight/Volume: 100 mL

Prep Date: 05/24/2013 1146

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Antimony		1100	U	450	1100
Arsenic		5000		340	1100
Copper		1300000		850	2900
Iron		12000000		5600	11000
Lead		35000		220	340

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Client Sample ID: LLI01-70SW-0502-SSXX

Lab Sample ID: 240-24831-47

Date Sampled: 05/22/2013 0832

Client Matrix: Solid

% Moisture: 9.0

Date Received: 05/23/2013 0915

6010B Metals (ICP)

Analysis Method: 6010B

Analysis Batch: 240-88126

Instrument ID: I9

Prep Method: 3050B

Prep Batch: 240-87274

Lab File ID: I9053113A.asc

Dilution: 1.0

Initial Weight/Volume: 1.18 g

Analysis Date: 05/31/2013 2311

Final Weight/Volume: 100 mL

Prep Date: 05/24/2013 1146

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Antimony		930	U	360	930
Arsenic		1100		280	930
Copper		13000		690	2300
Iron		5400000		4600	9300
Lead		1400		180	280

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Client Sample ID: LLI01-70SW-0205-SSXX

Lab Sample ID: 240-24831-48

Date Sampled: 05/22/2013 0833

Client Matrix: Solid

% Moisture: 14.0

Date Received: 05/23/2013 0915

6010B Metals (ICP)

Analysis Method: 6010B

Analysis Batch: 240-88126

Instrument ID: I9

Prep Method: 3050B

Prep Batch: 240-87274

Lab File ID: I9053113A.asc

Dilution: 1.0

Initial Weight/Volume: 1.17 g

Analysis Date: 05/31/2013 2315

Final Weight/Volume: 100 mL

Prep Date: 05/24/2013 1146

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Antimony		990	U	390	990
Arsenic		1500		300	990
Copper		17000		740	2500
Iron		9500000		4900	9900
Lead		1600		190	300

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Client Sample ID: LLI01-31SW-0005-SSXX

Lab Sample ID: 240-24831-49

Date Sampled: 05/22/2013 1312

Client Matrix: Solid

% Moisture: 47.5

Date Received: 05/23/2013 0915

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-88126	Instrument ID:	I9
Prep Method:	3050B	Prep Batch:	240-87274	Lab File ID:	I9053113A.asc
Dilution:	1.0			Initial Weight/Volume:	1.06 g
Analysis Date:	05/31/2013 2327			Final Weight/Volume:	100 mL
Prep Date:	05/24/2013 1146				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Antimony		1800		700	1800
Arsenic		68000		540	1800
Iron		44000000		8800	18000

Analysis Method:	6010B	Analysis Batch:	240-88126	Instrument ID:	I9
Prep Method:	3050B	Prep Batch:	240-87274	Lab File ID:	I9053113A.asc
Dilution:	5.0			Initial Weight/Volume:	1.06 g
Analysis Date:	05/31/2013 2331			Final Weight/Volume:	100 mL
Prep Date:	05/24/2013 1146				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Copper		8700000		6600	22000
Lead		1800000		1700	2700

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Client Sample ID: LLI01-31SW-0502-SSXX

Lab Sample ID: 240-24831-50

Date Sampled: 05/22/2013 1314

Client Matrix: Solid

% Moisture: 33.6

Date Received: 05/23/2013 0915

6010B Metals (ICP)

Analysis Method: 6010B

Analysis Batch: 240-88126

Instrument ID: I9

Prep Method: 3050B

Prep Batch: 240-87274

Lab File ID: I9053113A.asc

Dilution: 1.0

Initial Weight/Volume: 1.24 g

Analysis Date: 05/31/2013 2335

Final Weight/Volume: 100 mL

Prep Date: 05/24/2013 1146

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Arsenic		210000		360	1200

Analysis Method: 6010B

Analysis Batch: 240-88126

Instrument ID: I9

Prep Method: 3050B

Prep Batch: 240-87274

Lab File ID: I9053113A.asc

Dilution: 10

Initial Weight/Volume: 1.24 g

Analysis Date: 05/31/2013 2339

Final Weight/Volume: 100 mL

Prep Date: 05/24/2013 1146

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Antimony		46000		4700	12000
Copper		12000000		9000	30000
Iron		110000000		59000	120000
Lead		13000000		2300	3600

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Client Sample ID: LLI01-23SW-0005-SSXX

Lab Sample ID: 240-24831-51

Date Sampled: 05/22/2013 1322

Client Matrix: Solid

% Moisture: 36.5

Date Received: 05/23/2013 0915

6010B Metals (ICP)

Analysis Method: 6010B

Analysis Batch: 240-88126

Instrument ID: I9

Prep Method: 3050B

Prep Batch: 240-87274

Lab File ID: I9053113A.asc

Dilution: 1.0

Initial Weight/Volume: 1.18 g

Analysis Date: 05/31/2013 2343

Final Weight/Volume: 100 mL

Prep Date: 05/24/2013 1146

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Antimony		1300	U	520	1300
Arsenic		40000		400	1300
Copper		380000		990	3300
Iron		18000000		6500	13000
Lead		26000		250	400

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Client Sample ID: LLI01-23SW-0502-SSXX

Lab Sample ID: 240-24831-52

Date Sampled: 05/22/2013 1326

Client Matrix: Solid

% Moisture: 27.8

Date Received: 05/23/2013 0915

6010B Metals (ICP)

Analysis Method: 6010B

Analysis Batch: 240-88126

Instrument ID: I9

Prep Method: 3050B

Prep Batch: 240-87274

Lab File ID: I9053113A.asc

Dilution: 1.0

Initial Weight/Volume: 1.34 g

Analysis Date: 05/31/2013 2347

Final Weight/Volume: 100 mL

Prep Date: 05/24/2013 1146

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Antimony		1000	U	400	1000
Arsenic		140000		310	1000
Copper		1800000		760	2600
Iron		30000000		5100	10000
Lead		1300000		200	310

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

General Chemistry

Client Sample ID: LLI01-41NW-0005-SSXX

Lab Sample ID: 240-24831-1

Date Sampled: 05/21/2013 1531

Client Matrix: Solid

Date Received: 05/23/2013 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	83		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N
Percent Moisture	17		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

General Chemistry

Client Sample ID: LLI01-41NW-0502-SSXX

Lab Sample ID: 240-24831-2

Date Sampled: 05/21/2013 1532

Client Matrix: Solid

Date Received: 05/23/2013 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	85		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N
Percent Moisture	15		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

General Chemistry

Client Sample ID: LLI01-41NW-0205-SSXX

Lab Sample ID: 240-24831-3

Date Sampled: 05/21/2013 1533

Client Matrix: Solid

Date Received: 05/23/2013 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	93		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N
Percent Moisture	7.4		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

General Chemistry

Client Sample ID: LLI01-41SW-0005-SSXX

Lab Sample ID: 240-24831-4

Date Sampled: 05/21/2013 1540

Client Matrix: Solid

Date Received: 05/23/2013 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	84		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N
Percent Moisture	16		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

General Chemistry

Client Sample ID: LLI01-41SW-0502-SSXX

Lab Sample ID: 240-24831-5

Date Sampled: 05/21/2013 1541

Client Matrix: Solid

Date Received: 05/23/2013 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	81		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N
Percent Moisture	19		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

General Chemistry

Client Sample ID: LLI01-41SW-0205-SSXX

Lab Sample ID: 240-24831-6

Date Sampled: 05/21/2013 1542

Client Matrix: Solid

Date Received: 05/23/2013 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	90		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N
Percent Moisture	10		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

General Chemistry

Client Sample ID: LLI01-33NW-0005-SSXX

Lab Sample ID: 240-24831-7

Date Sampled: 05/21/2013 1545

Client Matrix: Solid

Date Received: 05/23/2013 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	85		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N
Percent Moisture	15		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

General Chemistry

Client Sample ID: LLI01-33NW-0502-SSXX

Lab Sample ID: 240-24831-8

Date Sampled: 05/21/2013 1546

Client Matrix: Solid

Date Received: 05/23/2013 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	86		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N
Percent Moisture	14		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

General Chemistry

Client Sample ID: LLI01-33NW-0205-SSXX

Lab Sample ID: 240-24831-9

Date Sampled: 05/21/2013 1547

Client Matrix: Solid

Date Received: 05/23/2013 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	89		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N
Percent Moisture	11		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

General Chemistry

Client Sample ID: LLI01-32SE-0005-SSXX

Lab Sample ID: 240-24831-10

Date Sampled: 05/21/2013 1550

Client Matrix: Solid

Date Received: 05/23/2013 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	85		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N
Percent Moisture	15		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

General Chemistry

Client Sample ID: LLI01-32SE-0502-SSXX

Lab Sample ID: 240-24831-11

Date Sampled: 05/21/2013 1551

Client Matrix: Solid

Date Received: 05/23/2013 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	81		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N
Percent Moisture	19		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

General Chemistry

Client Sample ID: LLI01-32SE-0205-SSXX

Lab Sample ID: 240-24831-12

Date Sampled: 05/21/2013 1552

Client Matrix: Solid

Date Received: 05/23/2013 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	82		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N
Percent Moisture	18		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

General Chemistry

Client Sample ID: LLI01-24SE-0005-SSXX

Lab Sample ID: 240-24831-13

Date Sampled: 05/21/2013 1556

Client Matrix: Solid

Date Received: 05/23/2013 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	85		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N
Percent Moisture	15		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

General Chemistry

Client Sample ID: LLI01-24SE-0502-SSXX

Lab Sample ID: 240-24831-14

Date Sampled: 05/21/2013 1557

Client Matrix: Solid

Date Received: 05/23/2013 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	83		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N
Percent Moisture	17		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

General Chemistry

Client Sample ID: LLI01-24SE-0205-SSXX

Lab Sample ID: 240-24831-15

Date Sampled: 05/21/2013 1558

Client Matrix: Solid

Date Received: 05/23/2013 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	84		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N
Percent Moisture	16		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

General Chemistry

Client Sample ID: LLI01-24SE-DUP1-SSXX

Lab Sample ID: 240-24831-16

Date Sampled: 05/21/2013 1557

Client Matrix: Solid

Date Received: 05/23/2013 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	86		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N
Percent Moisture	14		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

General Chemistry

Client Sample ID: LLI01-24SW-0005-SSXX

Lab Sample ID: 240-24831-17

Date Sampled: 05/21/2013 1601

Client Matrix: Solid

Date Received: 05/23/2013 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	84		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N
Percent Moisture	16		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

General Chemistry

Client Sample ID: LLI01-24SW-0502-SSXX

Lab Sample ID: 240-24831-18

Date Sampled: 05/21/2013 1603

Client Matrix: Solid

Date Received: 05/23/2013 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	81		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N
Percent Moisture	19		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

General Chemistry

Client Sample ID: LLI01-24SW-0205-SSXX

Lab Sample ID: 240-24831-19

Date Sampled: 05/21/2013 1604

Client Matrix: Solid

Date Received: 05/23/2013 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	80		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N
Percent Moisture	20		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

General Chemistry

Client Sample ID: LLI01-26SW-0005-SSXX

Lab Sample ID: 240-24831-20

Date Sampled: 05/21/2013 1611

Client Matrix: Solid

Date Received: 05/23/2013 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	80		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N
Percent Moisture	20		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

General Chemistry

Client Sample ID: LLI01-26SW-0502-SSXX

Lab Sample ID: 240-24831-21

Date Sampled: 05/21/2013 1612

Client Matrix: Solid

Date Received: 05/23/2013 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	76		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N
Percent Moisture	24		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

General Chemistry

Client Sample ID: LLI01-26SW-0205-SSXX

Lab Sample ID: 240-24831-22

Date Sampled: 05/21/2013 1613

Client Matrix: Solid

Date Received: 05/23/2013 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	88		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N
Percent Moisture	12		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

General Chemistry

Client Sample ID: LLI01-26NE-0005-SSXX

Lab Sample ID: 240-24831-23

Date Sampled: 05/21/2013 1616

Client Matrix: Solid

Date Received: 05/23/2013 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	66		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N
Percent Moisture	34		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

General Chemistry

Client Sample ID: LLI01-26NE-0502-SSXX

Lab Sample ID: 240-24831-24

Date Sampled: 05/21/2013 1617

Client Matrix: Solid

Date Received: 05/23/2013 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	83		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N
Percent Moisture	17		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

General Chemistry

Client Sample ID: LLI01-26NE-0205-SSXX

Lab Sample ID: 240-24831-25

Date Sampled: 05/21/2013 1618

Client Matrix: Solid

Date Received: 05/23/2013 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	87		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N
Percent Moisture	13		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

General Chemistry

Client Sample ID: LLI01-34SE-0005-SSXX

Lab Sample ID: 240-24831-26

Date Sampled: 05/21/2013 1621

Client Matrix: Solid

Date Received: 05/23/2013 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	83		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N
Percent Moisture	17		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

General Chemistry

Client Sample ID: LLI01-34SE-0502-SSXX

Lab Sample ID: 240-24831-27

Date Sampled: 05/21/2013 1622

Client Matrix: Solid

Date Received: 05/23/2013 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	75		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N
Percent Moisture	25		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

General Chemistry

Client Sample ID: LLI01-34NE-0005-SSXX

Lab Sample ID: 240-24831-28

Date Sampled: 05/21/2013 1624

Client Matrix: Solid

Date Received: 05/23/2013 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	85		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N
Percent Moisture	15		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

General Chemistry

Client Sample ID: LLI01-34NE-0502-SSXX

Lab Sample ID: 240-24831-29

Date Sampled: 05/21/2013 1626

Client Matrix: Solid

Date Received: 05/23/2013 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	80		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N
Percent Moisture	20		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

General Chemistry

Client Sample ID: LLI01-34NE-0205-SSXX

Lab Sample ID: 240-24831-30

Date Sampled: 05/21/2013 1627

Client Matrix: Solid

Date Received: 05/23/2013 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	77		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N
Percent Moisture	23		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

General Chemistry

Client Sample ID: LLI01-34NE-DUP2-SSXX

Lab Sample ID: 240-24831-31

Date Sampled: 05/21/2013 1628

Client Matrix: Solid

Date Received: 05/23/2013 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	84		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N
Percent Moisture	16		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

General Chemistry

Client Sample ID: LLI01-64NW-0005-SSXX

Lab Sample ID: 240-24831-32

Date Sampled: 05/22/2013 0755

Client Matrix: Solid

Date Received: 05/23/2013 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	85		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N
Percent Moisture	15		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

General Chemistry

Client Sample ID: LLI01-64NW-0502-SSXX

Lab Sample ID: 240-24831-33

Date Sampled: 05/22/2013 0756

Client Matrix: Solid

Date Received: 05/23/2013 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	86		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N
Percent Moisture	14		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

General Chemistry

Client Sample ID: LLI01-64NW-0205-SSXX

Lab Sample ID: 240-24831-34

Date Sampled: 05/22/2013 0757

Client Matrix: Solid

Date Received: 05/23/2013 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	84		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N
Percent Moisture	16		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

General Chemistry

Client Sample ID: LLI01-DUP4-XXXX-SSXX

Lab Sample ID: 240-24831-35

Date Sampled: 05/22/2013 0756

Client Matrix: Solid

Date Received: 05/23/2013 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	83		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N
Percent Moisture	17		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

General Chemistry

Client Sample ID: LLI01-72SW-0005-SSXX

Lab Sample ID: 240-24831-36

Date Sampled: 05/22/2013 0801

Client Matrix: Solid

Date Received: 05/23/2013 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	83		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N
Percent Moisture	17		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

General Chemistry

Client Sample ID: LLI01-72SW-0502-SSXX

Lab Sample ID: 240-24831-37

Date Sampled: 05/22/2013 0802

Client Matrix: Solid

Date Received: 05/23/2013 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	89		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N
Percent Moisture	11		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

General Chemistry

Client Sample ID: LLI01-72SW-0205-SSXX

Lab Sample ID: 240-24831-38

Date Sampled: 05/22/2013 0803

Client Matrix: Solid

Date Received: 05/23/2013 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	86		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N
Percent Moisture	14		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

General Chemistry

Client Sample ID: LLI01-70NE-0005-SSXX

Lab Sample ID: 240-24831-39

Date Sampled: 05/22/2013 0812

Client Matrix: Solid

Date Received: 05/23/2013 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	82		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N
Percent Moisture	18		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

General Chemistry

Client Sample ID: LLI01-70NE-0502-SSXX

Lab Sample ID: 240-24831-40

Date Sampled: 05/22/2013 0813

Client Matrix: Solid

Date Received: 05/23/2013 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	92		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N
Percent Moisture	7.9		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

General Chemistry

Client Sample ID: LLI01-70NE-0205-SSXX

Lab Sample ID: 240-24831-41

Date Sampled: 05/22/2013 0814

Client Matrix: Solid

Date Received: 05/23/2013 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	92		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N
Percent Moisture	8.0		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

General Chemistry

Client Sample ID: LLI01-70NW-0005-SSXX

Lab Sample ID: 240-24831-42

Date Sampled: 05/22/2013 0818

Client Matrix: Solid

Date Received: 05/23/2013 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	84		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N
Percent Moisture	16		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

General Chemistry

Client Sample ID: LLI01-70NW-0502-SSXX

Lab Sample ID: 240-24831-43

Date Sampled: 05/22/2013 0819

Client Matrix: Solid

Date Received: 05/23/2013 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	85		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N
Percent Moisture	15		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

General Chemistry

Client Sample ID: LLI01-70NW-0205-SSXX

Lab Sample ID: 240-24831-44

Date Sampled: 05/22/2013 0820

Client Matrix: Solid

Date Received: 05/23/2013 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	85		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N
Percent Moisture	15		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

General Chemistry

Client Sample ID: LLI01-DUP3-XXXX-SSXX

Lab Sample ID: 240-24831-45

Date Sampled: 05/22/2013 0820

Client Matrix: Solid

Date Received: 05/23/2013 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	83		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N
Percent Moisture	17		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

General Chemistry

Client Sample ID: LLI01-70SW-0005-SSXX

Lab Sample ID: 240-24831-46

Date Sampled: 05/22/2013 0831

Client Matrix: Solid

Date Received: 05/23/2013 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	84		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N
Percent Moisture	16		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

General Chemistry

Client Sample ID: LLI01-70SW-0502-SSXX

Lab Sample ID: 240-24831-47

Date Sampled: 05/22/2013 0832

Client Matrix: Solid

Date Received: 05/23/2013 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	91		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N
Percent Moisture	9.0		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

General Chemistry

Client Sample ID: LLI01-70SW-0205-SSXX

Lab Sample ID: 240-24831-48

Date Sampled: 05/22/2013 0833

Client Matrix: Solid

Date Received: 05/23/2013 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	86		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N
Percent Moisture	14		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

General Chemistry

Client Sample ID: LLI01-31SW-0005-SSXX

Lab Sample ID: 240-24831-49

Date Sampled: 05/22/2013 1312

Client Matrix: Solid

Date Received: 05/23/2013 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	52		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N
Percent Moisture	48		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

General Chemistry

Client Sample ID: LLI01-31SW-0502-SSXX

Lab Sample ID: 240-24831-50

Date Sampled: 05/22/2013 1314

Client Matrix: Solid

Date Received: 05/23/2013 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	66		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N
Percent Moisture	34		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

General Chemistry

Client Sample ID: LLI01-23SW-0005-SSXX

Lab Sample ID: 240-24831-51

Date Sampled: 05/22/2013 1322

Client Matrix: Solid

Date Received: 05/23/2013 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	64		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N
Percent Moisture	36		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N

Analytical Data

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

General Chemistry

Client Sample ID: LLI01-23SW-0502-SSXX

Lab Sample ID: 240-24831-52

Date Sampled: 05/22/2013 1326

Client Matrix: Solid

Date Received: 05/23/2013 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	72		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N
Percent Moisture	28		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-87290	Analysis Date: 05/24/2013 1407					DryWt Corrected: N

Quality Control Results

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Method Blank - Batch: 240-87262

Method: 6010B

Preparation: 3050B

Lab Sample ID: MB 240-87262/1-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 05/28/2013 2052
Prep Date: 05/24/2013 1022
Leach Date: N/A

Analysis Batch: 240-87566
Prep Batch: 240-87262
Leach Batch: N/A
Units: ug/Kg

Instrument ID: I9
Lab File ID: I9052813A.asc
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Antimony	1000	U	390	1000
Arsenic	1000	U	300	1000
Copper	2500	U	740	2500
Iron	10000	U	4900	10000
Lead	300	U	190	300

Lab Control Sample - Batch: 240-87262

Method: 6010B

Preparation: 3050B

Lab Sample ID: LCS 240-87262/2-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 05/28/2013 2056
Prep Date: 05/24/2013 1022
Leach Date: N/A

Analysis Batch: 240-87566
Prep Batch: 240-87262
Leach Batch: N/A
Units: ug/Kg

Instrument ID: I9
Lab File ID: I9052813A.asc
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Antimony	50000	41800	84	80 - 120	
Arsenic	200000	170000	85	80 - 120	
Copper	25000	20800	83	80 - 120	
Iron	100000	87200	87	80 - 120	
Lead	50000	42000	84	80 - 120	

Quality Control Results

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 240-87262

Method: 6010B
Preparation: 3050B

MS Lab Sample ID: 240-24831-17
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 05/28/2013 2107
Prep Date: 05/24/2013 1022
Leach Date: N/A

Analysis Batch: 240-87566
Prep Batch: 240-87262
Leach Batch: N/A

Instrument ID: I9
Lab File ID: I9052813A.asc
Initial Weight/Volume: 1.15 g
Final Weight/Volume: 100 mL

MSD Lab Sample ID: 240-24831-17
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 05/28/2013 2112
Prep Date: 05/24/2013 1022
Leach Date: N/A

Analysis Batch: 240-87566
Prep Batch: 240-87262
Leach Batch: N/A

Instrument ID: I9
Lab File ID: I9052813A.asc
Initial Weight/Volume: 1.15 g
Final Weight/Volume: 100 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Antimony	39	42	75 - 125	6	20	F	F
Arsenic	82	81	75 - 125	1	20		
Copper	986	1273	75 - 125	7	20	4	4
Iron	-268	-1900	75 - 125	16	20	4	4
Lead	131	90	75 - 125	17	20	F	

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 240-87262

Method: 6010B
Preparation: 3050B

MS Lab Sample ID: 240-24831-17
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 05/28/2013 2107
Prep Date: 05/24/2013 1022
Leach Date: N/A

Units: ug/Kg

MSD Lab Sample ID: 240-24831-17
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 05/28/2013 2112
Prep Date: 05/24/2013 1022
Leach Date: N/A

Analyte	Sample		MS Spike Amount	MSD Spike Amount	MS		MSD	
	Result/Qual				Result/Qual		Result/Qual	
Antimony	1100	U	51900	51900	20400	F	21700	F
Arsenic	4700		208000	208000	175000		173000	
Copper	810000		25900	25900	1070000	4	1140000	4
Iron	12000000		104000	104000	11300000	4	9580000	4
Lead	72000		51900	51900	140000	F	118000	

Quality Control Results

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Serial Dilution - Batch: 240-87262

Method: 6010B

Preparation: 3050B

Lab Sample ID: 240-24831-17

Analysis Batch: 240-87566

Instrument ID: I9

Client Matrix: Solid

Prep Batch: 240-87262

Lab File ID: I9052813A.asc

Dilution: 5.0

Leach Batch: N/A

Initial Weight/Volume: 1.11 g

Analysis Date: 05/28/2013 2104

Units: ug/Kg

Final Weight/Volume: 100 mL

Prep Date: 05/24/2013 1022

Leach Date: N/A

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Antimony	1100	U	5400	NC	10	U
Arsenic	4700		4770	NC	10	J
Copper	810000		847000	4.6	10	
Iron	12000000		12500000	8.1	10	
Lead	72000		77400	8.1	10	

Quality Control Results

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Method Blank - Batch: 240-87268

Method: 6010B
Preparation: 3050B

Lab Sample ID: MB 240-87268/1-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/05/2013 0110
Prep Date: 05/24/2013 1056
Leach Date: N/A

Analysis Batch: 240-88585
Prep Batch: 240-87268
Leach Batch: N/A
Units: ug/Kg

Instrument ID: I6
Lab File ID: I60604B
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Antimony	1000	U	390	1000
Arsenic	1000	U	300	1000
Copper	2500	U	740	2500
Iron	15900		4900	10000
Lead	300	U	190	300

Lab Control Sample - Batch: 240-87268

Method: 6010B
Preparation: 3050B

Lab Sample ID: LCS 240-87268/2-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/05/2013 0128
Prep Date: 05/24/2013 1056
Leach Date: N/A

Analysis Batch: 240-88585
Prep Batch: 240-87268
Leach Batch: N/A
Units: ug/Kg

Instrument ID: I6
Lab File ID: I60604B
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Antimony	50000	47000	94	80 - 120	
Arsenic	200000	188000	94	80 - 120	
Copper	25000	25000	100	80 - 120	
Iron	100000	99500	99	80 - 120	
Lead	50000	48900	98	80 - 120	

Quality Control Results

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 240-87268

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	240-24831-19	Analysis Batch:	240-88585	Instrument ID:	I6
Client Matrix:	Solid	Prep Batch:	240-87268	Lab File ID:	I60604B
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.07 g
Analysis Date:	06/05/2013 0146			Final Weight/Volume:	100 mL
Prep Date:	05/24/2013 1056				
Leach Date:	N/A				

MSD Lab Sample ID:	240-24831-19	Analysis Batch:	240-88585	Instrument ID:	I6
Client Matrix:	Solid	Prep Batch:	240-87268	Lab File ID:	I60604B
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.07 g
Analysis Date:	06/05/2013 0152			Final Weight/Volume:	100 mL
Prep Date:	05/24/2013 1056				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Antimony	43	52	75 - 125	16	20	F	F
Arsenic	89	90	75 - 125	1	20		
Copper	-5779	-6040	75 - 125	7	20	4	4
Iron	1891	478	75 - 125	10	20	4	4
Lead	141	159	75 - 125	6	20	F	F

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 240-87268

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	240-24831-19	Units:	ug/Kg	MSD Lab Sample ID:	240-24831-19
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/05/2013 0146			Analysis Date:	06/05/2013 0152
Prep Date:	05/24/2013 1056			Prep Date:	05/24/2013 1056
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS		MSD	
				Result/Qual		Result/Qual	
Antimony	1700	58100	58100	27000	F	31700	F
Arsenic	6700	232000	232000	213000		216000	
Copper	2800000	29000	29000	1100000	4	1030000	4
Iron	16000000	116000	116000	17800000	4	16100000	4
Lead	77000	58100	58100	159000	F	169000	F

Quality Control Results

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Serial Dilution - Batch: 240-87268

Method: 6010B

Preparation: 3050B

Lab Sample ID:	240-24831-19	Analysis Batch:	240-88585	Instrument ID:	I6
Client Matrix:	Solid	Prep Batch:	240-87268	Lab File ID:	I60604B
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	1.02 g
Analysis Date:	06/05/2013 0140	Units:	ug/Kg	Final Weight/Volume:	100 mL
Prep Date:	05/24/2013 1056				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Antimony	1700	6100	NC	10	U
Arsenic	6700	7280	NC	10	
Copper	2800000	2960000	6.4	10	
Iron	16000000	16600000	6.5	10	
Lead	77000	83000	8.0	10	

Quality Control Results

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Method Blank - Batch: 240-87274

Method: 6010B
Preparation: 3050B

Lab Sample ID: MB 240-87274/1-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 05/31/2013 2209
Prep Date: 05/24/2013 1146
Leach Date: N/A

Analysis Batch: 240-88126
Prep Batch: 240-87274
Leach Batch: N/A
Units: ug/Kg

Instrument ID: I9
Lab File ID: I9053113A.asc
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Antimony	1000	U	390	1000
Arsenic	1000	U	300	1000
Copper	2500	U	740	2500
Iron	10000	U	4900	10000
Lead	300	U	190	300

Lab Control Sample - Batch: 240-87274

Method: 6010B
Preparation: 3050B

Lab Sample ID: LCS 240-87274/2-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 05/31/2013 2212
Prep Date: 05/24/2013 1146
Leach Date: N/A

Analysis Batch: 240-88126
Prep Batch: 240-87274
Leach Batch: N/A
Units: ug/Kg

Instrument ID: I9
Lab File ID: I9053113A.asc
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Antimony	50000	44500	89	80 - 120	
Arsenic	200000	184000	92	80 - 120	
Copper	25000	22700	91	80 - 120	
Iron	100000	94200	94	80 - 120	
Lead	50000	46300	93	80 - 120	

Quality Control Results

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-87274**

**Method: 6010B
Preparation: 3050B**

MS Lab Sample ID: 240-24831-41
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 05/31/2013 2224
Prep Date: 05/24/2013 1146
Leach Date: N/A

Analysis Batch: 240-88126
Prep Batch: 240-87274
Leach Batch: N/A

Instrument ID: I9
Lab File ID: I9053113A.asc
Initial Weight/Volume: 1.03 g
Final Weight/Volume: 100 mL

MSD Lab Sample ID: 240-24831-41
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 05/31/2013 2227
Prep Date: 05/24/2013 1146
Leach Date: N/A

Analysis Batch: 240-88126
Prep Batch: 240-87274
Leach Batch: N/A

Instrument ID: I9
Lab File ID: I9053113A.asc
Initial Weight/Volume: 1.03 g
Final Weight/Volume: 100 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Antimony	57	53	75 - 125	7	20	F	F
Arsenic	87	88	75 - 125	1	20		
Copper	93	89	75 - 125	3	20		
Iron	829	545	75 - 125	6	20	4	4
Lead	88	89	75 - 125	1	20		

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-87274**

**Method: 6010B
Preparation: 3050B**

MS Lab Sample ID: 240-24831-41
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 05/31/2013 2224
Prep Date: 05/24/2013 1146
Leach Date: N/A

Units: ug/Kg

MSD Lab Sample ID: 240-24831-41
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 05/31/2013 2227
Prep Date: 05/24/2013 1146
Leach Date: N/A

Analyte	Sample		MS Spike Amount	MSD Spike Amount	MS		MSD	
	Result/Qual				Result/Qual		Result/Qual	
Antimony	1000	U	52800	52800	30200	F	28100	F
Arsenic	900	J	211000	211000	186000		187000	
Copper	7100		26400	26400	31600		30500	
Iron	4500000		106000	106000	5340000	4	5040000	4
Lead	850		52800	52800	47100		47600	

Quality Control Results

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Serial Dilution - Batch: 240-87274

Method: 6010B

Preparation: 3050B

Lab Sample ID: 240-24831-41

Client Matrix: Solid

Dilution: 5.0

Analysis Date: 05/31/2013 2220

Prep Date: 05/24/2013 1146

Leach Date: N/A

Analysis Batch: 240-88126

Prep Batch: 240-87274

Leach Batch: N/A

Units: ug/Kg

Instrument ID: I9

Lab File ID: I9053113A.asc

Initial Weight/Volume: 1.06 g

Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Antimony	1000	U	5100	NC	10	U
Arsenic	900	J	1550	NC	10	J
Copper	7100		7980	NC	10	J
Iron	4500000		4870000	8.9	10	
Lead	850		1210	NC	10	J

Quality Control Results

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Duplicate - Batch: 240-87290

Method: Moisture Preparation: N/A

Lab Sample ID:	240-24831-17	Analysis Batch:	240-87290	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	05/24/2013 1407	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	84	86	2	20	
Percent Moisture	16	14	12	20	

Duplicate - Batch: 240-87290

Method: Moisture Preparation: N/A

Lab Sample ID:	240-24831-28	Analysis Batch:	240-87290	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	05/24/2013 1407	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	85	85	1	20	
Percent Moisture	15	15	6	20	

Duplicate - Batch: 240-87290

Method: Moisture Preparation: N/A

Lab Sample ID:	240-24831-33	Analysis Batch:	240-87290	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	05/24/2013 1407	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	86	87	1	20	
Percent Moisture	14	13	7	20	

Quality Control Results

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Duplicate - Batch: 240-87290

**Method: Moisture
Preparation: N/A**

Lab Sample ID:	240-24831-41	Analysis Batch:	240-87290	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	05/24/2013 1407	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	92	92	0.4	20	
Percent Moisture	8.0	7.7	5	20	

Duplicate - Batch: 240-87290

**Method: Moisture
Preparation: N/A**

Lab Sample ID:	240-24831-51	Analysis Batch:	240-87290	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	05/24/2013 1407	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	64	55	15	20	
Percent Moisture	36	45	21	20	F

Duplicate - Batch: 240-87290

**Method: Moisture
Preparation: N/A**

Lab Sample ID:	240-24831-6	Analysis Batch:	240-87290	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	05/24/2013 1407	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	90	93	4	20	
Percent Moisture	10	6.7	40	20	F

DATA REPORTING QUALIFIERS

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Lab Section	Qualifier	Description
Metals	B	Compound was found in the blank and sample.
	^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
	U	Indicates the analyte was analyzed for but not detected.
	F	MS or MSD exceeds the control limits
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
General Chemistry	F	Duplicate RPD exceeds the control limit

Quality Control Results

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 240-87262					
LCS 240-87262/2-A	Lab Control Sample	T	Solid	3050B	
MB 240-87262/1-A	Method Blank	T	Solid	3050B	
240-24831-1	LLI01-41NW-0005-SSXX	T	Solid	3050B	
240-24831-2	LLI01-41NW-0502-SSXX	T	Solid	3050B	
240-24831-3	LLI01-41NW-0205-SSXX	T	Solid	3050B	
240-24831-4	LLI01-41SW-0005-SSXX	T	Solid	3050B	
240-24831-5	LLI01-41SW-0502-SSXX	T	Solid	3050B	
240-24831-6	LLI01-41SW-0205-SSXX	T	Solid	3050B	
240-24831-7	LLI01-33NW-0005-SSXX	T	Solid	3050B	
240-24831-8	LLI01-33NW-0502-SSXX	T	Solid	3050B	
240-24831-9	LLI01-33NW-0205-SSXX	T	Solid	3050B	
240-24831-10	LLI01-32SE-0005-SSXX	T	Solid	3050B	
240-24831-11	LLI01-32SE-0502-SSXX	T	Solid	3050B	
240-24831-12	LLI01-32SE-0205-SSXX	T	Solid	3050B	
240-24831-13	LLI01-24SE-0005-SSXX	T	Solid	3050B	
240-24831-14	LLI01-24SE-0502-SSXX	T	Solid	3050B	
240-24831-15	LLI01-24SE-0205-SSXX	T	Solid	3050B	
240-24831-16	LLI01-24SE-DUP1-SSXX	T	Solid	3050B	
240-24831-17	LLI01-24SW-0005-SSXX	T	Solid	3050B	
240-24831-17MS	Matrix Spike	T	Solid	3050B	
240-24831-17MSD	Matrix Spike Duplicate	T	Solid	3050B	
240-24831-18	LLI01-24SW-0502-SSXX	T	Solid	3050B	

Quality Control Results

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 240-87268					
LCS 240-87268/2-A	Lab Control Sample	T	Solid	3050B	
MB 240-87268/1-A	Method Blank	T	Solid	3050B	
240-24831-19	LLI01-24SW-0205-SSXX	T	Solid	3050B	
240-24831-19MS	Matrix Spike	T	Solid	3050B	
240-24831-19MSD	Matrix Spike Duplicate	T	Solid	3050B	
240-24831-20	LLI01-26SW-0005-SSXX	T	Solid	3050B	
240-24831-21	LLI01-26SW-0502-SSXX	T	Solid	3050B	
240-24831-22	LLI01-26SW-0205-SSXX	T	Solid	3050B	
240-24831-23	LLI01-26NE-0005-SSXX	T	Solid	3050B	
240-24831-24	LLI01-26NE-0502-SSXX	T	Solid	3050B	
240-24831-25	LLI01-26NE-0205-SSXX	T	Solid	3050B	
240-24831-26	LLI01-34SE-0005-SSXX	T	Solid	3050B	
240-24831-27	LLI01-34SE-0502-SSXX	T	Solid	3050B	
240-24831-28	LLI01-34NE-0005-SSXX	T	Solid	3050B	
240-24831-29	LLI01-34NE-0502-SSXX	T	Solid	3050B	
240-24831-30	LLI01-34NE-0205-SSXX	T	Solid	3050B	
240-24831-31	LLI01-34NE-DUP2-SSXX	T	Solid	3050B	
240-24831-32	LLI01-64NW-0005-SSXX	T	Solid	3050B	
240-24831-33	LLI01-64NW-0502-SSXX	T	Solid	3050B	
240-24831-34	LLI01-64NW-0205-SSXX	T	Solid	3050B	
240-24831-35	LLI01-DUP4-XXXX-SSXX	T	Solid	3050B	
240-24831-36	LLI01-72SW-0005-SSXX	T	Solid	3050B	
240-24831-37	LLI01-72SW-0502-SSXX	T	Solid	3050B	
240-24831-38	LLI01-72SW-0205-SSXX	T	Solid	3050B	
Prep Batch: 240-87274					
LCS 240-87274/2-A	Lab Control Sample	T	Solid	3050B	
MB 240-87274/1-A	Method Blank	T	Solid	3050B	
240-24831-39	LLI01-70NE-0005-SSXX	T	Solid	3050B	
240-24831-40	LLI01-70NE-0502-SSXX	T	Solid	3050B	
240-24831-41	LLI01-70NE-0205-SSXX	T	Solid	3050B	
240-24831-41MS	Matrix Spike	T	Solid	3050B	
240-24831-41MSD	Matrix Spike Duplicate	T	Solid	3050B	
240-24831-42	LLI01-70NW-0005-SSXX	T	Solid	3050B	
240-24831-43	LLI01-70NW-0502-SSXX	T	Solid	3050B	
240-24831-44	LLI01-70NW-0205-SSXX	T	Solid	3050B	
240-24831-45	LLI01-DUP3-XXXX-SSXX	T	Solid	3050B	
240-24831-46	LLI01-70SW-0005-SSXX	T	Solid	3050B	
240-24831-47	LLI01-70SW-0502-SSXX	T	Solid	3050B	
240-24831-48	LLI01-70SW-0205-SSXX	T	Solid	3050B	
240-24831-49	LLI01-31SW-0005-SSXX	T	Solid	3050B	
240-24831-50	LLI01-31SW-0502-SSXX	T	Solid	3050B	
240-24831-51	LLI01-23SW-0005-SSXX	T	Solid	3050B	
240-24831-52	LLI01-23SW-0502-SSXX	T	Solid	3050B	

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Quality Control Results

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:240-87566					
LCS 240-87262/2-A	Lab Control Sample	T	Solid	6010B	240-87262
MB 240-87262/1-A	Method Blank	T	Solid	6010B	240-87262
240-24831-1	LLI01-41NW-0005-SSXX	T	Solid	6010B	240-87262
240-24831-2	LLI01-41NW-0502-SSXX	T	Solid	6010B	240-87262
240-24831-3	LLI01-41NW-0205-SSXX	T	Solid	6010B	240-87262
240-24831-4	LLI01-41SW-0005-SSXX	T	Solid	6010B	240-87262
240-24831-5	LLI01-41SW-0502-SSXX	T	Solid	6010B	240-87262
240-24831-6	LLI01-41SW-0205-SSXX	T	Solid	6010B	240-87262
240-24831-7	LLI01-33NW-0005-SSXX	T	Solid	6010B	240-87262
240-24831-8	LLI01-33NW-0502-SSXX	T	Solid	6010B	240-87262
240-24831-9	LLI01-33NW-0205-SSXX	T	Solid	6010B	240-87262
240-24831-10	LLI01-32SE-0005-SSXX	T	Solid	6010B	240-87262
240-24831-11	LLI01-32SE-0502-SSXX	T	Solid	6010B	240-87262
240-24831-12	LLI01-32SE-0205-SSXX	T	Solid	6010B	240-87262
240-24831-13	LLI01-24SE-0005-SSXX	T	Solid	6010B	240-87262
240-24831-14	LLI01-24SE-0502-SSXX	T	Solid	6010B	240-87262
240-24831-15	LLI01-24SE-0205-SSXX	T	Solid	6010B	240-87262
240-24831-16	LLI01-24SE-DUP1-SSXX	T	Solid	6010B	240-87262
240-24831-17	LLI01-24SW-0005-SSXX	T	Solid	6010B	240-87262
240-24831-17MS	Matrix Spike	T	Solid	6010B	240-87262
240-24831-17MSD	Matrix Spike Duplicate	T	Solid	6010B	240-87262
240-24831-18	LLI01-24SW-0502-SSXX	T	Solid	6010B	240-87262
Analysis Batch:240-87761					
240-24831-2	LLI01-41NW-0502-SSXX	T	Solid	6010B	240-87262
Analysis Batch:240-88126					
LCS 240-87274/2-A	Lab Control Sample	T	Solid	6010B	240-87274
MB 240-87274/1-A	Method Blank	T	Solid	6010B	240-87274
240-24831-2	LLI01-41NW-0502-SSXX	T	Solid	6010B	240-87262
240-24831-39	LLI01-70NE-0005-SSXX	T	Solid	6010B	240-87274
240-24831-40	LLI01-70NE-0502-SSXX	T	Solid	6010B	240-87274
240-24831-41	LLI01-70NE-0205-SSXX	T	Solid	6010B	240-87274
240-24831-41MS	Matrix Spike	T	Solid	6010B	240-87274
240-24831-41MSD	Matrix Spike Duplicate	T	Solid	6010B	240-87274
240-24831-42	LLI01-70NW-0005-SSXX	T	Solid	6010B	240-87274
240-24831-43	LLI01-70NW-0502-SSXX	T	Solid	6010B	240-87274
240-24831-45	LLI01-DUP3-XXXX-SSXX	T	Solid	6010B	240-87274
240-24831-46	LLI01-70SW-0005-SSXX	T	Solid	6010B	240-87274
240-24831-47	LLI01-70SW-0502-SSXX	T	Solid	6010B	240-87274
240-24831-48	LLI01-70SW-0205-SSXX	T	Solid	6010B	240-87274
240-24831-49	LLI01-31SW-0005-SSXX	T	Solid	6010B	240-87274
240-24831-50	LLI01-31SW-0502-SSXX	T	Solid	6010B	240-87274
240-24831-51	LLI01-23SW-0005-SSXX	T	Solid	6010B	240-87274
240-24831-52	LLI01-23SW-0502-SSXX	T	Solid	6010B	240-87274

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Quality Control Results

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:240-88345					
240-24831-44	LLI01-70NW-0205-SSXX	T	Solid	6010B	240-87274
Analysis Batch:240-88585					
LCS 240-87268/2-A	Lab Control Sample	T	Solid	6010B	240-87268
MB 240-87268/1-A	Method Blank	T	Solid	6010B	240-87268
240-24831-19	LLI01-24SW-0205-SSXX	T	Solid	6010B	240-87268
240-24831-19MS	Matrix Spike	T	Solid	6010B	240-87268
240-24831-19MSD	Matrix Spike Duplicate	T	Solid	6010B	240-87268
240-24831-20	LLI01-26SW-0005-SSXX	T	Solid	6010B	240-87268
240-24831-21	LLI01-26SW-0502-SSXX	T	Solid	6010B	240-87268
240-24831-22	LLI01-26SW-0205-SSXX	T	Solid	6010B	240-87268
240-24831-23	LLI01-26NE-0005-SSXX	T	Solid	6010B	240-87268
240-24831-24	LLI01-26NE-0502-SSXX	T	Solid	6010B	240-87268
240-24831-25	LLI01-26NE-0205-SSXX	T	Solid	6010B	240-87268
240-24831-26	LLI01-34SE-0005-SSXX	T	Solid	6010B	240-87268
240-24831-27	LLI01-34SE-0502-SSXX	T	Solid	6010B	240-87268
240-24831-28	LLI01-34NE-0005-SSXX	T	Solid	6010B	240-87268
240-24831-29	LLI01-34NE-0502-SSXX	T	Solid	6010B	240-87268
240-24831-30	LLI01-34NE-0205-SSXX	T	Solid	6010B	240-87268
240-24831-31	LLI01-34NE-DUP2-SSXX	T	Solid	6010B	240-87268
240-24831-32	LLI01-64NW-0005-SSXX	T	Solid	6010B	240-87268
240-24831-33	LLI01-64NW-0502-SSXX	T	Solid	6010B	240-87268
240-24831-34	LLI01-64NW-0205-SSXX	T	Solid	6010B	240-87268
240-24831-35	LLI01-DUP4-XXXX-SSXX	T	Solid	6010B	240-87268
240-24831-36	LLI01-72SW-0005-SSXX	T	Solid	6010B	240-87268
240-24831-37	LLI01-72SW-0502-SSXX	T	Solid	6010B	240-87268
240-24831-38	LLI01-72SW-0205-SSXX	T	Solid	6010B	240-87268
Analysis Batch:240-88759					
240-24831-23	LLI01-26NE-0005-SSXX	T	Solid	6010B	240-87268
240-24831-24	LLI01-26NE-0502-SSXX	T	Solid	6010B	240-87268
240-24831-27	LLI01-34SE-0502-SSXX	T	Solid	6010B	240-87268
240-24831-34	LLI01-64NW-0205-SSXX	T	Solid	6010B	240-87268
240-24831-35	LLI01-DUP4-XXXX-SSXX	T	Solid	6010B	240-87268
240-24831-36	LLI01-72SW-0005-SSXX	T	Solid	6010B	240-87268
240-24831-38	LLI01-72SW-0205-SSXX	T	Solid	6010B	240-87268

Report Basis

T = Total

Quality Control Results

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					

Quality Control Results

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:240-87290					
240-24831-1	LLI01-41NW-0005-SSXX	T	Solid	Moisture	
240-24831-2	LLI01-41NW-0502-SSXX	T	Solid	Moisture	
240-24831-3	LLI01-41NW-0205-SSXX	T	Solid	Moisture	
240-24831-4	LLI01-41SW-0005-SSXX	T	Solid	Moisture	
240-24831-5	LLI01-41SW-0502-SSXX	T	Solid	Moisture	
240-24831-6	LLI01-41SW-0205-SSXX	T	Solid	Moisture	
240-24831-6DU	Duplicate	T	Solid	Moisture	
240-24831-7	LLI01-33NW-0005-SSXX	T	Solid	Moisture	
240-24831-8	LLI01-33NW-0502-SSXX	T	Solid	Moisture	
240-24831-9	LLI01-33NW-0205-SSXX	T	Solid	Moisture	
240-24831-10	LLI01-32SE-0005-SSXX	T	Solid	Moisture	
240-24831-11	LLI01-32SE-0502-SSXX	T	Solid	Moisture	
240-24831-12	LLI01-32SE-0205-SSXX	T	Solid	Moisture	
240-24831-13	LLI01-24SE-0005-SSXX	T	Solid	Moisture	
240-24831-14	LLI01-24SE-0502-SSXX	T	Solid	Moisture	
240-24831-15	LLI01-24SE-0205-SSXX	T	Solid	Moisture	
240-24831-16	LLI01-24SE-DUP1-SSXX	T	Solid	Moisture	
240-24831-17	LLI01-24SW-0005-SSXX	T	Solid	Moisture	
240-24831-17DU	Duplicate	T	Solid	Moisture	
240-24831-18	LLI01-24SW-0502-SSXX	T	Solid	Moisture	
240-24831-19	LLI01-24SW-0205-SSXX	T	Solid	Moisture	
240-24831-20	LLI01-26SW-0005-SSXX	T	Solid	Moisture	
240-24831-21	LLI01-26SW-0502-SSXX	T	Solid	Moisture	
240-24831-22	LLI01-26SW-0205-SSXX	T	Solid	Moisture	
240-24831-23	LLI01-26NE-0005-SSXX	T	Solid	Moisture	
240-24831-24	LLI01-26NE-0502-SSXX	T	Solid	Moisture	
240-24831-25	LLI01-26NE-0205-SSXX	T	Solid	Moisture	
240-24831-26	LLI01-34SE-0005-SSXX	T	Solid	Moisture	
240-24831-27	LLI01-34SE-0502-SSXX	T	Solid	Moisture	
240-24831-28	LLI01-34NE-0005-SSXX	T	Solid	Moisture	
240-24831-28DU	Duplicate	T	Solid	Moisture	
240-24831-29	LLI01-34NE-0502-SSXX	T	Solid	Moisture	
240-24831-30	LLI01-34NE-0205-SSXX	T	Solid	Moisture	
240-24831-31	LLI01-34NE-DUP2-SSXX	T	Solid	Moisture	
240-24831-32	LLI01-64NW-0005-SSXX	T	Solid	Moisture	
240-24831-33	LLI01-64NW-0502-SSXX	T	Solid	Moisture	
240-24831-33DU	Duplicate	T	Solid	Moisture	
240-24831-34	LLI01-64NW-0205-SSXX	T	Solid	Moisture	
240-24831-35	LLI01-DUP4-XXXX-SSXX	T	Solid	Moisture	
240-24831-36	LLI01-72SW-0005-SSXX	T	Solid	Moisture	
240-24831-37	LLI01-72SW-0502-SSXX	T	Solid	Moisture	
240-24831-38	LLI01-72SW-0205-SSXX	T	Solid	Moisture	
240-24831-39	LLI01-70NE-0005-SSXX	T	Solid	Moisture	
240-24831-40	LLI01-70NE-0502-SSXX	T	Solid	Moisture	
240-24831-41	LLI01-70NE-0205-SSXX	T	Solid	Moisture	
240-24831-41DU	Duplicate	T	Solid	Moisture	

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Quality Control Results

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:240-87290					
240-24831-42	LLI01-70NW-0005-SSXX	T	Solid	Moisture	
240-24831-43	LLI01-70NW-0502-SSXX	T	Solid	Moisture	
240-24831-44	LLI01-70NW-0205-SSXX	T	Solid	Moisture	
240-24831-45	LLI01-DUP3-XXXX-SSXX	T	Solid	Moisture	
240-24831-46	LLI01-70SW-0005-SSXX	T	Solid	Moisture	
240-24831-47	LLI01-70SW-0502-SSXX	T	Solid	Moisture	
240-24831-48	LLI01-70SW-0205-SSXX	T	Solid	Moisture	
240-24831-49	LLI01-31SW-0005-SSXX	T	Solid	Moisture	
240-24831-50	LLI01-31SW-0502-SSXX	T	Solid	Moisture	
240-24831-51	LLI01-23SW-0005-SSXX	T	Solid	Moisture	
240-24831-51DU	Duplicate	T	Solid	Moisture	
240-24831-52	LLI01-23SW-0502-SSXX	T	Solid	Moisture	

Report Basis

T = Total

Quality Control Results

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Laboratory Chronicle

Lab ID: 240-24831-1

Client ID: LLI01-41NW-0005-SSXX

Sample Date/Time: 05/21/2013 15:31

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-B-1-A		240-87566	240-87262	05/24/2013 10:22	1	TAL CAN	DE
A:6010B	240-24831-B-1-A		240-87566	240-87262	05/28/2013 21:16	1	TAL CAN	SG
A:Moisture	240-24831-A-1		240-87290		05/24/2013 14:07	1	TAL CAN	VP

Lab ID: 240-24831-2

Client ID: LLI01-41NW-0502-SSXX

Sample Date/Time: 05/21/2013 15:32

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-B-2-A		240-87566	240-87262	05/24/2013 10:22	1	TAL CAN	DE
A:6010B	240-24831-B-2-A		240-87566	240-87262	05/28/2013 21:20	1	TAL CAN	SG
P:3050B	240-24831-B-2-A		240-87761	240-87262	05/24/2013 10:22	1	TAL CAN	DE
A:6010B	240-24831-B-2-A		240-87761	240-87262	05/30/2013 02:44	1	TAL CAN	NJT
P:3050B	240-24831-B-2-A		240-88126	240-87262	05/24/2013 10:22	1	TAL CAN	DE
A:6010B	240-24831-B-2-A		240-88126	240-87262	05/31/2013 14:16	1	TAL CAN	NJT
A:Moisture	240-24831-A-2		240-87290		05/24/2013 14:07	1	TAL CAN	VP

Lab ID: 240-24831-3

Client ID: LLI01-41NW-0205-SSXX

Sample Date/Time: 05/21/2013 15:33

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-B-3-A		240-87566	240-87262	05/24/2013 10:22	1	TAL CAN	DE
A:6010B	240-24831-B-3-A		240-87566	240-87262	05/28/2013 21:23	1	TAL CAN	SG
A:Moisture	240-24831-A-3		240-87290		05/24/2013 14:07	1	TAL CAN	VP

Lab ID: 240-24831-4

Client ID: LLI01-41SW-0005-SSXX

Sample Date/Time: 05/21/2013 15:40

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-B-4-A		240-87566	240-87262	05/24/2013 10:22	1	TAL CAN	DE
A:6010B	240-24831-B-4-A		240-87566	240-87262	05/28/2013 21:27	1	TAL CAN	SG
A:Moisture	240-24831-A-4		240-87290		05/24/2013 14:07	1	TAL CAN	VP

Lab ID: 240-24831-5

Client ID: LLI01-41SW-0502-SSXX

Sample Date/Time: 05/21/2013 15:41

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-B-5-A		240-87566	240-87262	05/24/2013 10:22	1	TAL CAN	DE
A:6010B	240-24831-B-5-A		240-87566	240-87262	05/28/2013 21:39	1	TAL CAN	SG
A:Moisture	240-24831-A-5		240-87290		05/24/2013 14:07	1	TAL CAN	VP

Quality Control Results

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Laboratory Chronicle

Lab ID: 240-24831-6

Client ID: LLI01-41SW-0205-SSXX

Sample Date/Time: 05/21/2013 15:42

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-B-6-A		240-87566	240-87262	05/24/2013 10:22	1	TAL CAN	DE
A:6010B	240-24831-B-6-A		240-87566	240-87262	05/28/2013 21:43	1	TAL CAN	SG
A:Moisture	240-24831-A-6		240-87290		05/24/2013 14:07	1	TAL CAN	VP

Lab ID: 240-24831-6 DU

Client ID: LLI01-41SW-0205-SSXX

Sample Date/Time: 05/21/2013 15:42

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	240-24831-A-6 DU		240-87290		05/24/2013 14:07	1	TAL CAN	VP

Lab ID: 240-24831-7

Client ID: LLI01-33NW-0005-SSXX

Sample Date/Time: 05/21/2013 15:45

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-B-7-A		240-87566	240-87262	05/24/2013 10:22	1	TAL CAN	DE
A:6010B	240-24831-B-7-A		240-87566	240-87262	05/28/2013 21:47	1	TAL CAN	SG
A:Moisture	240-24831-A-7		240-87290		05/24/2013 14:07	1	TAL CAN	VP

Lab ID: 240-24831-8

Client ID: LLI01-33NW-0502-SSXX

Sample Date/Time: 05/21/2013 15:46

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-B-8-A		240-87566	240-87262	05/24/2013 10:22	1	TAL CAN	DE
A:6010B	240-24831-B-8-A		240-87566	240-87262	05/28/2013 21:51	1	TAL CAN	SG
A:Moisture	240-24831-A-8		240-87290		05/24/2013 14:07	1	TAL CAN	VP

Lab ID: 240-24831-9

Client ID: LLI01-33NW-0205-SSXX

Sample Date/Time: 05/21/2013 15:47

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-B-9-A		240-87566	240-87262	05/24/2013 10:22	1	TAL CAN	DE
A:6010B	240-24831-B-9-A		240-87566	240-87262	05/28/2013 21:55	1	TAL CAN	SG
A:Moisture	240-24831-A-9		240-87290		05/24/2013 14:07	1	TAL CAN	VP

Quality Control Results

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Laboratory Chronicle

Lab ID: 240-24831-10

Client ID: LLI01-32SE-0005-SSXX

Sample Date/Time: 05/21/2013 15:50

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-B-10-A		240-87566	240-87262	05/24/2013 10:22	1	TAL CAN	DE
A:6010B	240-24831-B-10-A		240-87566	240-87262	05/28/2013 21:59	1	TAL CAN	SG
A:Moisture	240-24831-A-10		240-87290		05/24/2013 14:07	1	TAL CAN	VP

Lab ID: 240-24831-11

Client ID: LLI01-32SE-0502-SSXX

Sample Date/Time: 05/21/2013 15:51

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-B-11-A		240-87566	240-87262	05/24/2013 10:22	1	TAL CAN	DE
A:6010B	240-24831-B-11-A		240-87566	240-87262	05/28/2013 22:04	1	TAL CAN	SG
A:Moisture	240-24831-A-11		240-87290		05/24/2013 14:07	1	TAL CAN	VP

Lab ID: 240-24831-12

Client ID: LLI01-32SE-0205-SSXX

Sample Date/Time: 05/21/2013 15:52

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-B-12-A		240-87566	240-87262	05/24/2013 10:22	1	TAL CAN	DE
A:6010B	240-24831-B-12-A		240-87566	240-87262	05/28/2013 22:07	1	TAL CAN	SG
A:Moisture	240-24831-A-12		240-87290		05/24/2013 14:07	1	TAL CAN	VP

Lab ID: 240-24831-13

Client ID: LLI01-24SE-0005-SSXX

Sample Date/Time: 05/21/2013 15:56

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-B-13-A		240-87566	240-87262	05/24/2013 10:22	1	TAL CAN	DE
A:6010B	240-24831-B-13-A		240-87566	240-87262	05/28/2013 22:11	1	TAL CAN	SG
A:Moisture	240-24831-A-13		240-87290		05/24/2013 14:07	1	TAL CAN	VP

Lab ID: 240-24831-14

Client ID: LLI01-24SE-0502-SSXX

Sample Date/Time: 05/21/2013 15:57

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-B-14-A		240-87566	240-87262	05/24/2013 10:22	1	TAL CAN	DE
A:6010B	240-24831-B-14-A		240-87566	240-87262	05/28/2013 22:15	1	TAL CAN	SG
A:Moisture	240-24831-A-14		240-87290		05/24/2013 14:07	1	TAL CAN	VP

Quality Control Results

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Laboratory Chronicle

Lab ID: 240-24831-15

Client ID: LLI01-24SE-0205-SSXX

Sample Date/Time: 05/21/2013 15:58

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-B-15-A		240-87566	240-87262	05/24/2013 10:22	1	TAL CAN	DE
A:6010B	240-24831-B-15-A		240-87566	240-87262	05/28/2013 22:31	1	TAL CAN	SG
A:Moisture	240-24831-A-15		240-87290		05/24/2013 14:07	1	TAL CAN	VP

Lab ID: 240-24831-16

Client ID: LLI01-24SE-DUP1-SSXX

Sample Date/Time: 05/21/2013 15:57

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-B-16-A		240-87566	240-87262	05/24/2013 10:22	1	TAL CAN	DE
A:6010B	240-24831-B-16-A		240-87566	240-87262	05/28/2013 22:27	1	TAL CAN	SG
A:Moisture	240-24831-A-16		240-87290		05/24/2013 14:07	1	TAL CAN	VP

Lab ID: 240-24831-17

Client ID: LLI01-24SW-0005-SSXX

Sample Date/Time: 05/21/2013 16:01

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-C-17-A		240-87566	240-87262	05/24/2013 10:22	1	TAL CAN	DE
A:6010B	240-24831-C-17-A		240-87566	240-87262	05/28/2013 20:59	1	TAL CAN	SG
A:Moisture	240-24831-B-17		240-87290		05/24/2013 14:07	1	TAL CAN	VP

Lab ID: 240-24831-17

Client ID: LLI01-24SW-0005-SSXX

Sample Date/Time: 05/21/2013 16:01

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-C-17-B MS		240-87566	240-87262	05/24/2013 10:22	1	TAL CAN	DE
A:6010B	240-24831-C-17-B MS		240-87566	240-87262	05/28/2013 21:07	1	TAL CAN	SG

Lab ID: 240-24831-17

Client ID: LLI01-24SW-0005-SSXX

Sample Date/Time: 05/21/2013 16:01

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-C-17-C MSD		240-87566	240-87262	05/24/2013 10:22	1	TAL CAN	DE
A:6010B	240-24831-C-17-C MSD		240-87566	240-87262	05/28/2013 21:12	1	TAL CAN	SG

Quality Control Results

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Laboratory Chronicle

Lab ID: 240-24831-17

Client ID: LLI01-24SW-0005-SSXX

Sample Date/Time: 05/21/2013 16:01

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	240-24831-A-17 DU		240-87290		05/24/2013 14:07	1	TAL CAN	VP

Lab ID: 240-24831-17 SD

Client ID: LLI01-24SW-0005-SSXX

Sample Date/Time: 05/21/2013 16:01

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-C-17-A SD ^5		240-87566	240-87262	05/24/2013 10:22	5	TAL CAN	DE
A:6010B	240-24831-C-17-A SD ^5		240-87566	240-87262	05/28/2013 21:04	5	TAL CAN	SG

Lab ID: 240-24831-18

Client ID: LLI01-24SW-0502-SSXX

Sample Date/Time: 05/21/2013 16:03

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-B-18-A		240-87566	240-87262	05/24/2013 10:22	1	TAL CAN	DE
A:6010B	240-24831-B-18-A		240-87566	240-87262	05/28/2013 22:35	1	TAL CAN	SG
A:Moisture	240-24831-A-18		240-87290		05/24/2013 14:07	1	TAL CAN	VP

Lab ID: 240-24831-19

Client ID: LLI01-24SW-0205-SSXX

Sample Date/Time: 05/21/2013 16:04

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-B-19-A		240-88585	240-87268	05/24/2013 10:56	1	TAL CAN	DE
A:6010B	240-24831-B-19-A		240-88585	240-87268	06/05/2013 01:34	1	TAL CAN	KC
A:Moisture	240-24831-A-19		240-87290		05/24/2013 14:07	1	TAL CAN	VP

Lab ID: 240-24831-19 MS

Client ID: LLI01-24SW-0205-SSXX

Sample Date/Time: 05/21/2013 16:04

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-B-19-B MS		240-88585	240-87268	05/24/2013 10:56	1	TAL CAN	DE
A:6010B	240-24831-B-19-B MS		240-88585	240-87268	06/05/2013 01:46	1	TAL CAN	KC

Quality Control Results

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Laboratory Chronicle

Lab ID: 240-24831-19 MSD

Client ID: LLI01-24SW-0205-SSXX

Sample Date/Time: 05/21/2013 16:04

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-B-19-C MSD		240-88585	240-87268	05/24/2013 10:56	1	TAL CAN	DE
A:6010B	240-24831-B-19-C MSD		240-88585	240-87268	06/05/2013 01:52	1	TAL CAN	KC

Lab ID: 240-24831-19 SD

Client ID: LLI01-24SW-0205-SSXX

Sample Date/Time: 05/21/2013 16:04

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-B-19-A SD ^5		240-88585	240-87268	05/24/2013 10:56	5	TAL CAN	DE
A:6010B	240-24831-B-19-A SD ^5		240-88585	240-87268	06/05/2013 01:40	5	TAL CAN	KC

Lab ID: 240-24831-20

Client ID: LLI01-26SW-0005-SSXX

Sample Date/Time: 05/21/2013 16:11

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-B-20-A		240-88585	240-87268	05/24/2013 10:56	1	TAL CAN	DE
A:6010B	240-24831-B-20-A		240-88585	240-87268	06/05/2013 01:58	1	TAL CAN	KC
A:Moisture	240-24831-A-20		240-87290		05/24/2013 14:07	1	TAL CAN	VP

Lab ID: 240-24831-21

Client ID: LLI01-26SW-0502-SSXX

Sample Date/Time: 05/21/2013 16:12

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-B-21-A		240-88585	240-87268	05/24/2013 10:56	1	TAL CAN	DE
A:6010B	240-24831-B-21-A		240-88585	240-87268	06/05/2013 02:04	1	TAL CAN	KC
A:Moisture	240-24831-A-21		240-87290		05/24/2013 14:07	1	TAL CAN	VP

Lab ID: 240-24831-22

Client ID: LLI01-26SW-0205-SSXX

Sample Date/Time: 05/21/2013 16:13

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-B-22-A		240-88585	240-87268	05/24/2013 10:56	1	TAL CAN	DE
A:6010B	240-24831-B-22-A		240-88585	240-87268	06/05/2013 02:10	1	TAL CAN	KC
A:Moisture	240-24831-A-22		240-87290		05/24/2013 14:07	1	TAL CAN	VP

Quality Control Results

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Laboratory Chronicle

Lab ID: 240-24831-23

Client ID: LLI01-26NE-0005-SSXX

Sample Date/Time: 05/21/2013 16:16

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-B-23-A		240-88585	240-87268	05/24/2013 10:56	1	TAL CAN	DE
A:6010B	240-24831-B-23-A		240-88585	240-87268	06/05/2013 02:15	1	TAL CAN	KC
P:3050B	240-24831-B-23-A ^5		240-88759	240-87268	05/24/2013 10:56	5	TAL CAN	DE
A:6010B	240-24831-B-23-A ^5		240-88759	240-87268	06/05/2013 20:52	5	TAL CAN	KC
A:Moisture	240-24831-A-23		240-87290		05/24/2013 14:07	1	TAL CAN	VP

Lab ID: 240-24831-24

Client ID: LLI01-26NE-0502-SSXX

Sample Date/Time: 05/21/2013 16:17

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-B-24-A		240-88585	240-87268	05/24/2013 10:56	1	TAL CAN	DE
A:6010B	240-24831-B-24-A		240-88585	240-87268	06/05/2013 02:21	1	TAL CAN	KC
P:3050B	240-24831-B-24-A ^5		240-88759	240-87268	05/24/2013 10:56	5	TAL CAN	DE
A:6010B	240-24831-B-24-A ^5		240-88759	240-87268	06/05/2013 21:10	5	TAL CAN	KC
A:Moisture	240-24831-A-24		240-87290		05/24/2013 14:07	1	TAL CAN	VP

Lab ID: 240-24831-25

Client ID: LLI01-26NE-0205-SSXX

Sample Date/Time: 05/21/2013 16:18

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-B-25-A		240-88585	240-87268	05/24/2013 10:56	1	TAL CAN	DE
A:6010B	240-24831-B-25-A		240-88585	240-87268	06/05/2013 02:39	1	TAL CAN	KC
A:Moisture	240-24831-A-25		240-87290		05/24/2013 14:07	1	TAL CAN	VP

Lab ID: 240-24831-26

Client ID: LLI01-34SE-0005-SSXX

Sample Date/Time: 05/21/2013 16:21

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-B-26-A		240-88585	240-87268	05/24/2013 10:56	1	TAL CAN	DE
A:6010B	240-24831-B-26-A		240-88585	240-87268	06/05/2013 02:45	1	TAL CAN	KC
A:Moisture	240-24831-A-26		240-87290		05/24/2013 14:07	1	TAL CAN	VP

Quality Control Results

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Laboratory Chronicle

Lab ID: 240-24831-27

Client ID: LLI01-34SE-0502-SSXX

Sample Date/Time: 05/21/2013 16:22

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-B-27-A		240-88585	240-87268	05/24/2013 10:56	1	TAL CAN	DE
A:6010B	240-24831-B-27-A		240-88585	240-87268	06/05/2013 02:51	1	TAL CAN	KC
P:3050B	240-24831-B-27-A ^2		240-88759	240-87268	05/24/2013 10:56	2	TAL CAN	DE
A:6010B	240-24831-B-27-A ^2		240-88759	240-87268	06/05/2013 21:16	2	TAL CAN	KC
A:Moisture	240-24831-A-27		240-87290		05/24/2013 14:07	1	TAL CAN	VP

Lab ID: 240-24831-28

Client ID: LLI01-34NE-0005-SSXX

Sample Date/Time: 05/21/2013 16:24

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-B-28-A		240-88585	240-87268	05/24/2013 10:56	1	TAL CAN	DE
A:6010B	240-24831-B-28-A		240-88585	240-87268	06/05/2013 02:57	1	TAL CAN	KC
A:Moisture	240-24831-A-28		240-87290		05/24/2013 14:07	1	TAL CAN	VP

Lab ID: 240-24831-28 DU

Client ID: LLI01-34NE-0005-SSXX

Sample Date/Time: 05/21/2013 16:24

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	240-24831-A-28 DU		240-87290		05/24/2013 14:07	1	TAL CAN	VP

Lab ID: 240-24831-29

Client ID: LLI01-34NE-0502-SSXX

Sample Date/Time: 05/21/2013 16:26

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-B-29-A		240-88585	240-87268	05/24/2013 10:56	1	TAL CAN	DE
A:6010B	240-24831-B-29-A		240-88585	240-87268	06/05/2013 03:03	1	TAL CAN	KC
A:Moisture	240-24831-A-29		240-87290		05/24/2013 14:07	1	TAL CAN	VP

Lab ID: 240-24831-30

Client ID: LLI01-34NE-0205-SSXX

Sample Date/Time: 05/21/2013 16:27

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-B-30-A		240-88585	240-87268	05/24/2013 10:56	1	TAL CAN	DE
A:6010B	240-24831-B-30-A		240-88585	240-87268	06/05/2013 03:09	1	TAL CAN	KC
A:Moisture	240-24831-A-30		240-87290		05/24/2013 14:07	1	TAL CAN	VP

Quality Control Results

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Laboratory Chronicle

Lab ID: 240-24831-31

Client ID: LLI01-34NE-DUP2-SSXX

Sample Date/Time: 05/21/2013 16:28

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-B-31-A		240-88585	240-87268	05/24/2013 10:56	1	TAL CAN	DE
A:6010B	240-24831-B-31-A		240-88585	240-87268	06/05/2013 03:15	1	TAL CAN	KC
A:Moisture	240-24831-A-31		240-87290		05/24/2013 14:07	1	TAL CAN	VP

Lab ID: 240-24831-32

Client ID: LLI01-64NW-0005-SSXX

Sample Date/Time: 05/22/2013 07:55

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-B-32-A		240-88585	240-87268	05/24/2013 10:56	1	TAL CAN	DE
A:6010B	240-24831-B-32-A		240-88585	240-87268	06/05/2013 03:21	1	TAL CAN	KC
A:Moisture	240-24831-A-32		240-87290		05/24/2013 14:07	1	TAL CAN	VP

Lab ID: 240-24831-33

Client ID: LLI01-64NW-0502-SSXX

Sample Date/Time: 05/22/2013 07:56

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-B-33-A		240-88585	240-87268	05/24/2013 10:56	1	TAL CAN	DE
A:6010B	240-24831-B-33-A		240-88585	240-87268	06/05/2013 03:27	1	TAL CAN	KC
A:Moisture	240-24831-A-33		240-87290		05/24/2013 14:07	1	TAL CAN	VP

Lab ID: 240-24831-33 DU

Client ID: LLI01-64NW-0502-SSXX

Sample Date/Time: 05/22/2013 07:56

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	240-24831-A-33 DU		240-87290		05/24/2013 14:07	1	TAL CAN	VP

Lab ID: 240-24831-34

Client ID: LLI01-64NW-0205-SSXX

Sample Date/Time: 05/22/2013 07:57

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-B-34-A		240-88585	240-87268	05/24/2013 10:56	1	TAL CAN	DE
A:6010B	240-24831-B-34-A		240-88585	240-87268	06/05/2013 03:33	1	TAL CAN	KC
P:3050B	240-24831-B-34-A ^5		240-88759	240-87268	05/24/2013 10:56	5	TAL CAN	DE
A:6010B	240-24831-B-34-A ^5		240-88759	240-87268	06/05/2013 21:22	5	TAL CAN	KC
A:Moisture	240-24831-A-34		240-87290		05/24/2013 14:07	1	TAL CAN	VP

Quality Control Results

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Laboratory Chronicle

Lab ID: 240-24831-35

Client ID: LLI01-DUP4-XXXX-SSXX

Sample Date/Time: 05/22/2013 07:56

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-B-35-A		240-88585	240-87268	05/24/2013 10:56	1	TAL CAN	DE
A:6010B	240-24831-B-35-A		240-88585	240-87268	06/05/2013 03:51	1	TAL CAN	KC
P:3050B	240-24831-B-35-A ^5		240-88759	240-87268	05/24/2013 10:56	5	TAL CAN	DE
A:6010B	240-24831-B-35-A ^5		240-88759	240-87268	06/05/2013 21:28	5	TAL CAN	KC
A:Moisture	240-24831-A-35		240-87290		05/24/2013 14:07	1	TAL CAN	VP

Lab ID: 240-24831-36

Client ID: LLI01-72SW-0005-SSXX

Sample Date/Time: 05/22/2013 08:01

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-B-36-A		240-88585	240-87268	05/24/2013 10:56	1	TAL CAN	DE
A:6010B	240-24831-B-36-A		240-88585	240-87268	06/05/2013 03:57	1	TAL CAN	KC
P:3050B	240-24831-B-36-A ^5		240-88759	240-87268	05/24/2013 10:56	5	TAL CAN	DE
A:6010B	240-24831-B-36-A ^5		240-88759	240-87268	06/05/2013 21:34	5	TAL CAN	KC
A:Moisture	240-24831-A-36		240-87290		05/24/2013 14:07	1	TAL CAN	VP

Lab ID: 240-24831-37

Client ID: LLI01-72SW-0502-SSXX

Sample Date/Time: 05/22/2013 08:02

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-B-37-A		240-88585	240-87268	05/24/2013 10:56	1	TAL CAN	DE
A:6010B	240-24831-B-37-A		240-88585	240-87268	06/05/2013 04:03	1	TAL CAN	KC
A:Moisture	240-24831-A-37		240-87290		05/24/2013 14:07	1	TAL CAN	VP

Lab ID: 240-24831-38

Client ID: LLI01-72SW-0205-SSXX

Sample Date/Time: 05/22/2013 08:03

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-B-38-A		240-88585	240-87268	05/24/2013 10:56	1	TAL CAN	DE
A:6010B	240-24831-B-38-A		240-88585	240-87268	06/05/2013 04:09	1	TAL CAN	KC
P:3050B	240-24831-B-38-A ^5		240-88759	240-87268	05/24/2013 10:56	5	TAL CAN	DE
A:6010B	240-24831-B-38-A ^5		240-88759	240-87268	06/05/2013 21:40	5	TAL CAN	KC
A:Moisture	240-24831-A-38		240-87290		05/24/2013 14:07	1	TAL CAN	VP

Quality Control Results

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Laboratory Chronicle

Lab ID: 240-24831-39

Client ID: LLI01-70NE-0005-SSXX

Sample Date/Time: 05/22/2013 08:12

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-B-39-A		240-88126	240-87274	05/24/2013 11:46	1	TAL CAN	DE
A:6010B	240-24831-B-39-A		240-88126	240-87274	05/31/2013 22:39	1	TAL CAN	NJT
P:3050B	240-24831-B-39-A ^5		240-88126	240-87274	05/24/2013 11:46	5	TAL CAN	DE
A:6010B	240-24831-B-39-A ^5		240-88126	240-87274	05/31/2013 22:43	5	TAL CAN	NJT
A:Moisture	240-24831-A-39		240-87290		05/24/2013 14:07	1	TAL CAN	VP

Lab ID: 240-24831-40

Client ID: LLI01-70NE-0502-SSXX

Sample Date/Time: 05/22/2013 08:13

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-B-40-A		240-88126	240-87274	05/24/2013 11:46	1	TAL CAN	DE
A:6010B	240-24831-B-40-A		240-88126	240-87274	05/31/2013 22:47	1	TAL CAN	NJT
A:Moisture	240-24831-A-40		240-87290		05/24/2013 14:07	1	TAL CAN	VP

Lab ID: 240-24831-41

Client ID: LLI01-70NE-0205-SSXX

Sample Date/Time: 05/22/2013 08:14

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-D-41-A		240-88126	240-87274	05/24/2013 11:46	1	TAL CAN	DE
A:6010B	240-24831-D-41-A		240-88126	240-87274	05/31/2013 22:16	1	TAL CAN	NJT
A:Moisture	240-24831-B-41		240-87290		05/24/2013 14:07	1	TAL CAN	VP

Lab ID: 240-24831-41

Client ID: LLI01-70NE-0205-SSXX

Sample Date/Time: 05/22/2013 08:14

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-D-41-B MS		240-88126	240-87274	05/24/2013 11:46	1	TAL CAN	DE
A:6010B	240-24831-D-41-B MS		240-88126	240-87274	05/31/2013 22:24	1	TAL CAN	NJT

Lab ID: 240-24831-41

Client ID: LLI01-70NE-0205-SSXX

Sample Date/Time: 05/22/2013 08:14

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-D-41-C MSD		240-88126	240-87274	05/24/2013 11:46	1	TAL CAN	DE
A:6010B	240-24831-D-41-C MSD		240-88126	240-87274	05/31/2013 22:27	1	TAL CAN	NJT

Quality Control Results

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Laboratory Chronicle

Lab ID: 240-24831-41

Client ID: LLI01-70NE-0205-SSXX

Sample Date/Time: 05/22/2013 08:14

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	240-24831-A-41 DU		240-87290		05/24/2013 14:07	1	TAL CAN	VP

Lab ID: 240-24831-41 SD

Client ID: LLI01-70NE-0205-SSXX

Sample Date/Time: 05/22/2013 08:14

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-D-41-A SD ^5		240-88126	240-87274	05/24/2013 11:46	5	TAL CAN	DE
A:6010B	240-24831-D-41-A SD ^5		240-88126	240-87274	05/31/2013 22:20	5	TAL CAN	NJT

Lab ID: 240-24831-42

Client ID: LLI01-70NW-0005-SSXX

Sample Date/Time: 05/22/2013 08:18

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-B-42-A		240-88126	240-87274	05/24/2013 11:46	1	TAL CAN	DE
A:6010B	240-24831-B-42-A		240-88126	240-87274	05/31/2013 22:51	1	TAL CAN	NJT
A:Moisture	240-24831-A-42		240-87290		05/24/2013 14:07	1	TAL CAN	VP

Lab ID: 240-24831-43

Client ID: LLI01-70NW-0502-SSXX

Sample Date/Time: 05/22/2013 08:19

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-B-43-A		240-88126	240-87274	05/24/2013 11:46	1	TAL CAN	DE
A:6010B	240-24831-B-43-A		240-88126	240-87274	05/31/2013 22:55	1	TAL CAN	NJT
A:Moisture	240-24831-A-43		240-87290		05/24/2013 14:07	1	TAL CAN	VP

Lab ID: 240-24831-44

Client ID: LLI01-70NW-0205-SSXX

Sample Date/Time: 05/22/2013 08:20

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-B-44-A		240-88345	240-87274	05/24/2013 11:46	1	TAL CAN	DE
A:6010B	240-24831-B-44-A		240-88345	240-87274	06/03/2013 16:30	1	TAL CAN	NJT
A:Moisture	240-24831-A-44		240-87290		05/24/2013 14:07	1	TAL CAN	VP

Quality Control Results

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Laboratory Chronicle

Lab ID: 240-24831-45

Client ID: LLI01-DUP3-XXXX-SSXX

Sample Date/Time: 05/22/2013 08:20

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-B-45-A		240-88126	240-87274	05/24/2013 11:46	1	TAL CAN	DE
A:6010B	240-24831-B-45-A		240-88126	240-87274	05/31/2013 23:03	1	TAL CAN	NJT
A:Moisture	240-24831-A-45		240-87290		05/24/2013 14:07	1	TAL CAN	VP

Lab ID: 240-24831-46

Client ID: LLI01-70SW-0005-SSXX

Sample Date/Time: 05/22/2013 08:31

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-B-46-A		240-88126	240-87274	05/24/2013 11:46	1	TAL CAN	DE
A:6010B	240-24831-B-46-A		240-88126	240-87274	05/31/2013 23:07	1	TAL CAN	NJT
A:Moisture	240-24831-A-46		240-87290		05/24/2013 14:07	1	TAL CAN	VP

Lab ID: 240-24831-47

Client ID: LLI01-70SW-0502-SSXX

Sample Date/Time: 05/22/2013 08:32

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-B-47-A		240-88126	240-87274	05/24/2013 11:46	1	TAL CAN	DE
A:6010B	240-24831-B-47-A		240-88126	240-87274	05/31/2013 23:11	1	TAL CAN	NJT
A:Moisture	240-24831-A-47		240-87290		05/24/2013 14:07	1	TAL CAN	VP

Lab ID: 240-24831-48

Client ID: LLI01-70SW-0205-SSXX

Sample Date/Time: 05/22/2013 08:33

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-B-48-A		240-88126	240-87274	05/24/2013 11:46	1	TAL CAN	DE
A:6010B	240-24831-B-48-A		240-88126	240-87274	05/31/2013 23:15	1	TAL CAN	NJT
A:Moisture	240-24831-A-48		240-87290		05/24/2013 14:07	1	TAL CAN	VP

Lab ID: 240-24831-49

Client ID: LLI01-31SW-0005-SSXX

Sample Date/Time: 05/22/2013 13:12

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-B-49-A		240-88126	240-87274	05/24/2013 11:46	1	TAL CAN	DE
A:6010B	240-24831-B-49-A		240-88126	240-87274	05/31/2013 23:27	1	TAL CAN	NJT
P:3050B	240-24831-B-49-A ^5		240-88126	240-87274	05/24/2013 11:46	5	TAL CAN	DE
A:6010B	240-24831-B-49-A ^5		240-88126	240-87274	05/31/2013 23:31	5	TAL CAN	NJT
A:Moisture	240-24831-A-49		240-87290		05/24/2013 14:07	1	TAL CAN	VP

Quality Control Results

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Laboratory Chronicle

Lab ID: 240-24831-50

Client ID: LLI01-31SW-0502-SSXX

Sample Date/Time: 05/22/2013 13:14

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-B-50-A		240-88126	240-87274	05/24/2013 11:46	1	TAL CAN	DE
A:6010B	240-24831-B-50-A		240-88126	240-87274	05/31/2013 23:35	1	TAL CAN	NJT
P:3050B	240-24831-B-50-A ^10		240-88126	240-87274	05/24/2013 11:46	10	TAL CAN	DE
A:6010B	240-24831-B-50-A ^10		240-88126	240-87274	05/31/2013 23:39	10	TAL CAN	NJT
A:Moisture	240-24831-A-50		240-87290		05/24/2013 14:07	1	TAL CAN	VP

Lab ID: 240-24831-51

Client ID: LLI01-23SW-0005-SSXX

Sample Date/Time: 05/22/2013 13:22

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-B-51-A		240-88126	240-87274	05/24/2013 11:46	1	TAL CAN	DE
A:6010B	240-24831-B-51-A		240-88126	240-87274	05/31/2013 23:43	1	TAL CAN	NJT
A:Moisture	240-24831-A-51		240-87290		05/24/2013 14:07	1	TAL CAN	VP

Lab ID: 240-24831-51 DU

Client ID: LLI01-23SW-0005-SSXX

Sample Date/Time: 05/22/2013 13:22

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	240-24831-A-51 DU		240-87290		05/24/2013 14:07	1	TAL CAN	VP

Lab ID: 240-24831-52

Client ID: LLI01-23SW-0502-SSXX

Sample Date/Time: 05/22/2013 13:26

Received Date/Time: 05/23/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-24831-B-52-A		240-88126	240-87274	05/24/2013 11:46	1	TAL CAN	DE
A:6010B	240-24831-B-52-A		240-88126	240-87274	05/31/2013 23:47	1	TAL CAN	NJT
A:Moisture	240-24831-A-52		240-87290		05/24/2013 14:07	1	TAL CAN	VP

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	MB 240-87262/1-A		240-87566	240-87262	05/24/2013 10:22	1	TAL CAN	DE
A:6010B	MB 240-87262/1-A		240-87566	240-87262	05/28/2013 20:52	1	TAL CAN	SG
P:3050B	MB 240-87274/1-A		240-88126	240-87274	05/24/2013 11:46	1	TAL CAN	DE
A:6010B	MB 240-87274/1-A		240-88126	240-87274	05/31/2013 22:09	1	TAL CAN	NJT
P:3050B	MB 240-87268/1-A		240-88585	240-87268	05/24/2013 10:56	1	TAL CAN	DE
A:6010B	MB 240-87268/1-A		240-88585	240-87268	06/05/2013 01:10	1	TAL CAN	KC

Quality Control Results

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 240-24831-1

Laboratory Chronicle

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	LCS 240-87262/2-A		240-87566	240-87262	05/24/2013 10:22	1	TAL CAN	DE
A:6010B	LCS 240-87262/2-A		240-87566	240-87262	05/28/2013 20:56	1	TAL CAN	SG
P:3050B	LCS 240-87274/2-A		240-88126	240-87274	05/24/2013 11:46	1	TAL CAN	DE
A:6010B	LCS 240-87274/2-A		240-88126	240-87274	05/31/2013 22:12	1	TAL CAN	NJT
P:3050B	LCS 240-87268/2-A		240-88585	240-87268	05/24/2013 10:56	1	TAL CAN	DE
A:6010B	LCS 240-87268/2-A		240-88585	240-87268	06/05/2013 01:28	1	TAL CAN	KC

Lab References:

TAL CAN = TestAmerica Canton

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MT1TO1HN03_00492	05/24/13	05/24/13	DIWATER, Lot DI WATER	800 mL	MTTMHNO3_00009	400 mL	Nitric acid	0.5 mL/mL
.MTTMHNO3_00009	12/21/14		Fisher, Lot 1112120		(Purchased Reagent)		Nitric acid	100 %
MT6500CCV_00031	07/19/13	05/09/13	DIWATER, Lot DIWATER	1000 mL	MTTRCAL1_00008	2.5 mL	Iron	25000 ug/L
					MTTRCAL3_00004	0.5 mL	Arsenic	500 ug/L
							Lead	500 ug/L
					MTTRCAL4_00007	2 mL	Copper	2000 ug/L
					MTTRCAL5_00006	5 mL	Antimony	500 ug/L
.MTTRCAL1_00008	07/30/13		HIGH PURITY STANDARDS, Lot 1220514		(Purchased Reagent)		Iron	10000 ug/mL
.MTTRCAL3_00004	01/17/14		HIGH PURITY STANDARDS, Lot 1301606		(Purchased Reagent)		Arsenic	1000 mg/L
							Lead	1000 mg/L
.MTTRCAL4_00007	07/30/13		HIGH PURITY STANDARDS, Lot 1220911		(Purchased Reagent)		Copper	1000 ug/mL
.MTTRCAL5_00006	07/19/13		high purity, Lot 1219933		(Purchased Reagent)		Antimony	100 ug/mL
MT6500CCV_00032	07/19/13	05/29/13	DIWATER, Lot DIWATER	1000 mL	MTTRCAL1_00008	2.5 mL	Iron	25000 ug/L
					MTTRCAL3_00004	0.5 mL	Arsenic	500 ug/L
							Lead	500 ug/L
					MTTRCAL4_00007	2 mL	Copper	2000 ug/L
					MTTRCAL5_00006	5 mL	Antimony	500 ug/L
.MTTRCAL1_00008	07/30/13		HIGH PURITY STANDARDS, Lot 1220514		(Purchased Reagent)		Iron	10000 ug/mL
.MTTRCAL3_00004	01/17/14		HIGH PURITY STANDARDS, Lot 1301606		(Purchased Reagent)		Arsenic	1000 mg/L
							Lead	1000 mg/L
.MTTRCAL4_00007	07/30/13		HIGH PURITY STANDARDS, Lot 1220911		(Purchased Reagent)		Copper	1000 ug/mL
.MTTRCAL5_00006	07/19/13		high purity, Lot 1219933		(Purchased Reagent)		Antimony	100 ug/mL
MT6500CRIW_00008	07/30/13	05/02/13	DIWATER, Lot DIWATER	1000 mL	MTTRCRI_00004	10 mL	Antimony	10 ug/L
							Arsenic	15 ug/L
							Copper	15 ug/L
							Iron	300 ug/L
							Lead	10 ug/L
.MTTRCRI_00004	07/30/13		HIGH PURITY STANDARDS, Lot 1220822		(Purchased Reagent)		Antimony	1 ug/mL
							Arsenic	1.5 ug/mL
							Copper	1.5 ug/mL
							Iron	30 ug/mL
							Lead	1 ug/mL
MT6500ICSAB2W_00006	06/15/13	05/02/13	DIWATER, Lot DIWATER	1000 mL	MT6500CALLi_00003	0.5 mL	Li	500 ug/L
					MTSI_00010	10 mL	Si	10000 ug/L
					MTSR_00004	1 mL	Sr	1500 ug/L
					MTTRICSA_00010	100 mL	Al	500000 ug/L
							Ca	500000 ug/L
							Iron	200000 ug/L
							Mg	500000 ug/L
					MTTRICSAB_00005	100 mL	Ag	1000 ug/L
							Antimony	1000 ug/L
							Arsenic	1000 ug/L
							Ba	500 ug/L
							Be	500 ug/L
							Cd	1000 ug/L
							Co	500 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Copper	500 ug/L
							Cr	500 ug/L
							K	10000 ug/L
							Lead	1000 ug/L
							Mn	500 ug/L
							Mo	1000 ug/L
							Na	10000 ug/L
							Ni	1000 ug/L
							Se	1000 ug/L
							Tl	1000 ug/L
							V	500 ug/L
							Zn	1000 ug/L
					MTTRICV4_00003	2 mL	B	500 ug/L
							Sn	500 ug/L
							Sr	1500 ug/L
							Ti	500 ug/L
.MT6500CALLi_00003	03/28/14		High Purity, Lot 1134914		(Purchased Reagent)		Li	1000 ug/mL
.MTSI_00010	09/01/14		High Purity Standards, Lot 1227035		(Purchased Reagent)		Si	1000 ug/mL
.MTSR_00004	09/14/14		HIGH PURITY STANDARDS, Lot 1212318		(Purchased Reagent)		Sr	1000 ug/mL
.MTTRICSA_00010	12/01/13		INORGANIC VENTURES, Lot F2MEB414132		(Purchased Reagent)		Al	5000 ug/mL
							Ca	5000 ug/mL
							Iron	2000 ug/mL
							Mg	5000 ug/mL
.MTTRICSAB_00005	06/15/13		HIGH PURITY STANDARDS, Lot 1216709		(Purchased Reagent)		Ag	10 ug/mL
							Antimony	10 ug/mL
							Arsenic	10 ug/mL
							Ba	5 ug/mL
							Be	5 ug/mL
							Cd	10 ug/mL
							Co	5 ug/mL
							Copper	5 ug/mL
							Cr	5 ug/mL
							K	100 ug/mL
							Lead	10 ug/mL
							Mn	5 ug/mL
							Mo	10 ug/mL
							Na	100 ug/mL
							Ni	10 ug/mL
							Se	10 ug/mL
							Tl	10 ug/mL
							V	5 ug/mL
							Zn	10 ug/mL
.MTTRICV4_00003	03/10/14		CPI, Lot 12I050		(Purchased Reagent)		B	250 ug/mL
							Sn	250 ug/mL
							Sr	250 ug/mL
							Ti	250 ug/mL
MT6500ICV_00011	07/18/13	04/12/13	DIWATER, Lot DIWATER	1000 mL	MTTRICV1_00003	5 mL	Iron	12500 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MTTRICV3_00002	6 mL	Copper	1500 ug/L
					MTTRICV5_00008	1.5 mL	Antimony	375 ug/L
							Arsenic	375 ug/L
							Lead	375 ug/L
.MTTRICV1_00003	07/20/14		CPI, Lot 13A216		(Purchased Reagent)		Iron	2500 ug/mL
.MTTRICV3_00002	05/21/13		CPI, Lot 11K181		(Purchased Reagent)		Copper	250 ug/mL
.MTTRICV5_00008	06/09/14		CPI, Lot 13A025		(Purchased Reagent)		Antimony	250 ug/mL
							Arsenic	250 ug/mL
							Lead	250 ug/mL
MTAGSPIKEW_00029	11/16/13	05/16/13	DIWATER, Lot DIWATER	500 mL	MTAGstock_00004	1.25 mL	Ag	2500 ug/L
					MTTMHNO3_00008	25 mL	Nitric acid	50000000 ug/L
.MTAGstock_00004	09/07/14		High Purity Standards, Lot 1231727		(Purchased Reagent)		Ag	1000 ug/mL
.MTTMHNO3_00008	12/21/14		Fisher, Lot 1112120		(Purchased Reagent)		Nitric acid	100 %
MTH202_00018	08/10/14		Macron, Lot 0000014472		(Purchased Reagent)		Hydrogen Peroxide	30 %
MTICP1_00022	10/17/13	04/17/13	DIWATER, Lot DI WATER	2000 mL	MTICPSPIKE1A_00005	100 mL	Al	100000 ug/L
							Arsenic	100000 ug/L
							B	50000 ug/L
							Ba	100000 ug/L
							Be	2500 ug/L
							Cd	2500 ug/L
							Co	25000 ug/L
							Copper	12500 ug/L
							Cr	10000 ug/L
							Iron	50000 ug/L
							Lead	25000 ug/L
							Mn	25000 ug/L
							Ni	25000 ug/L
							Se	100000 ug/L
							Tl	100000 ug/L
							V	25000 ug/L
							Zn	25000 ug/L
					MTICPSPIKEB_00005	100 mL	Antimony	25000 ug/L
							Mo	50000 ug/L
							Sn	100000 ug/L
							Ti	50000 ug/L
					MTICPSpikeOdd_00002	100 mL	Li	50000 ug/L
							Si	50000 ug/L
							SiO2	107000 ug/L
							Sr	50000 ug/L
					MTTMHNO3_00002	100 mL	Nitric acid	50000000 ug/L
.MTICPSPIKE1A_00005	01/17/14		High Purity Standards, Lot 1301525		(Purchased Reagent)		Al	2000 ug/mL
							Arsenic	2000 ug/mL
							B	1000 ug/mL
							Ba	2000 ug/mL
							Be	50 ug/mL
							Cd	50 ug/mL
							Co	500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Copper	250 ug/mL
							Cr	200 ug/mL
							Iron	1000 ug/mL
							Lead	500 ug/mL
							Mn	500 ug/mL
							Ni	500 ug/mL
							Se	2000 ug/mL
							Tl	2000 ug/mL
							V	500 ug/mL
							Zn	500 ug/mL
.MTICPSPIKEB_00005	01/17/14		High Purity Standards, Lot 1301526		(Purchased Reagent)		Antimony	500 ug/mL
							Mo	1000 ug/mL
							Sn	2000 ug/mL
							Ti	1000 ug/mL
.MTICPSpikeOdd_00002	01/17/14		High Purity Standards, Lot 1301527		(Purchased Reagent)		Li	1000 ug/mL
							Si	1000 ug/mL
							SiO2	2140 ug/mL
							Sr	1000 ug/mL
.MTTMHNO3_00002	11/28/14		Fisher, Lot 1112110		(Purchased Reagent)		Nitric acid	100 %
MTICP2A_00027	09/11/13	05/16/13	DIWATER, Lot DIWATER	400 mL	MTTMHNO3_00008	20 mL	Nitric acid	50000 mg/L
					MTTRCAL2_00005	100 mL	Ca	2500 mg/L
							K	2500 mg/L
							Mg	2500 mg/L
							Na	2500 mg/L
.MTTMHNO3_00008	12/21/14		Fisher, Lot 1112120		(Purchased Reagent)		Nitric acid	100 %
.MTTRCAL2_00005	09/11/13		HIGH PURITY STANDARDS, Lot 1209622		(Purchased Reagent)		Ca	10000 ug/mL
							K	10000 ug/mL
							Mg	10000 ug/mL
							Na	10000 ug/mL
MTTMHCL_00005	05/01/15		Fisher, Lot 4112120		(Purchased Reagent)		Hydrogen Chloride	100 %
MTTMHNO3_00009	12/21/14		Fisher, Lot 1112120		(Purchased Reagent)		Nitric acid	100 %
MTTRCCV_00039	07/19/13	02/26/13	DIWATER, Lot DIWATER	2000 mL	MTTRCAL1_00008	5 mL	Iron	25000 ug/L
					MTTRCAL3_00004	1 mL	Arsenic	500 ug/L
							Lead	500 ug/L
					MTTRCAL4_00007	4 mL	Copper	2000 ug/L
					MTTRCAL5_00006	10 mL	Antimony	500 ug/L
.MTTRCAL1_00008	07/30/13		HIGH PURITY STANDARDS, Lot 1220514		(Purchased Reagent)		Iron	10000 ug/mL
.MTTRCAL3_00004	01/17/14		HIGH PURITY STANDARDS, Lot 1301606		(Purchased Reagent)		Arsenic	1000 mg/L
							Lead	1000 mg/L
.MTTRCAL4_00007	07/30/13		HIGH PURITY STANDARDS, Lot 1220911		(Purchased Reagent)		Copper	1000 ug/mL
.MTTRCAL5_00006	07/19/13		high purity, Lot 1219933		(Purchased Reagent)		Antimony	100 ug/mL
MTTRCRIW_00011	07/07/13	01/07/13	DIWATER, Lot DIWATER	1000 mL	MTTRCRI_00004	10 mL	Antimony	10 ug/L
							Arsenic	15 ug/L
							Copper	15 ug/L
							Iron	300 ug/L
							Lead	10 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MTTRCRI_00004	07/30/13	HIGH PURITY STANDARDS, Lot 1220822			(Purchased Reagent)		Antimony	1 ug/mL
							Arsenic	1.5 ug/mL
							Copper	1.5 ug/mL
							Iron	30 ug/mL
							Lead	1 ug/mL
MTTRICSABW_00011	06/15/13	12/19/12	DIWATER, Lot DIWATER	1000 mL	MTTRICSA_00009	100 mL	Al	500000 ug/L
							Ca	500000 ug/L
							Iron	200000 ug/L
							Mg	500000 ug/L
					MTTRICSAB_00005	100 mL	Ag	1000 ug/L
							Antimony	1000 ug/L
							Arsenic	1000 ug/L
							Ba	500 ug/L
							Be	500 ug/L
							Cd	1000 ug/L
							Co	500 ug/L
							Copper	500 ug/L
							Cr	500 ug/L
							K	10000 ug/L
							Lead	1000 ug/L
							Mn	500 ug/L
							Mo	1000 ug/L
							Na	10000 ug/L
							Ni	1000 ug/L
							Se	1000 ug/L
							Tl	1000 ug/L
					V	500 ug/L		
					Zn	1000 ug/L		
					MTTRICV4_00003	4 mL	B	1000 ug/L
							Sn	1000 ug/L
.MTTRICSA_00009	07/01/13	INORGANIC VENTURES, Lot F2MEB414132			(Purchased Reagent)		Al	5000 ug/mL
							Ca	5000 ug/mL
							Iron	2000 ug/mL
							Mg	5000 ug/mL
.MTTRICSAB_00005	06/15/13	HIGH PURITY STANDARDS, Lot 1216709			(Purchased Reagent)		Ag	10 ug/mL
							Antimony	10 ug/mL
							Arsenic	10 ug/mL
							Ba	5 ug/mL
							Be	5 ug/mL
							Cd	10 ug/mL
							Co	5 ug/mL
							Copper	5 ug/mL
							Cr	5 ug/mL
							K	100 ug/mL
							Lead	10 ug/mL
							Mn	5 ug/mL
							Mo	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Na	100 ug/mL
							Ni	10 ug/mL
							Se	10 ug/mL
							Tl	10 ug/mL
							V	5 ug/mL
							Zn	10 ug/mL
.MTTRICV4_00003	03/10/14	CPI, Lot 12I050			(Purchased Reagent)		B	250 ug/mL
							Sn	250 ug/mL
MTTRICSAW_00017	07/01/13	01/18/13	DIWATER, Lot DIWATER	1000 mL	MTTRICSA_00009	90 mL	Al	500000 ug/L
							Ca	500000 ug/L
							Iron	200000 ug/L
							Mg	500000 ug/L
					MTTRICSA_00010	10 mL	Al	500000 ug/L
							Ca	500000 ug/L
							Iron	200000 ug/L
							Mg	500000 ug/L
.MTTRICSA_00009	07/01/13	INORGANIC VENTURES, Lot F2MEB414132			(Purchased Reagent)		Al	5000 ug/mL
							Ca	5000 ug/mL
							Iron	2000 ug/mL
							Mg	5000 ug/mL
.MTTRICSA_00010	12/01/13	INORGANIC VENTURES, Lot F2MEB414132			(Purchased Reagent)		Al	5000 ug/mL
							Ca	5000 ug/mL
							Iron	2000 ug/mL
							Mg	5000 ug/mL
MTTRICSAW_00018	08/21/13	02/21/13	DIWATER, Lot DIWATER	1000 mL	MTTRICSA_00010	100 mL	Al	500000 ug/L
							Ca	500000 ug/L
							Iron	200000 ug/L
							Mg	500000 ug/L
.MTTRICSA_00010	12/01/13	INORGANIC VENTURES, Lot F2MEB414132			(Purchased Reagent)		Al	5000 ug/mL
							Ca	5000 ug/mL
							Iron	2000 ug/mL
							Mg	5000 ug/mL

Certification Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: H+C Power Plant, Lake Linden, MI

TestAmerica Job ID: 240-24831-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Canton	California	NELAP	9	01144CA
TestAmerica Canton	Connecticut	State Program	1	PH-0590
TestAmerica Canton	Florida	NELAP	4	E87225
TestAmerica Canton	Georgia	State Program	4	N/A
TestAmerica Canton	Illinois	NELAP	5	200004
TestAmerica Canton	Kansas	NELAP	7	E-10336
TestAmerica Canton	Kentucky	State Program	4	58
TestAmerica Canton	L-A-B	DoD ELAP		L2315
TestAmerica Canton	Minnesota	NELAP	5	039-999-348
TestAmerica Canton	Nevada	State Program	9	OH-000482008A
TestAmerica Canton	New Jersey	NELAP	2	OH001
TestAmerica Canton	New York	NELAP	2	10975
TestAmerica Canton	Ohio VAP	State Program	5	CL0024
TestAmerica Canton	Pennsylvania	NELAP	3	68-00340
TestAmerica Canton	Texas	NELAP	6	
TestAmerica Canton	USDA	Federal		P330-11-00328
TestAmerica Canton	Virginia	NELAP	3	460175
TestAmerica Canton	Washington	State Program	10	C971
TestAmerica Canton	West Virginia DEP	State Program	3	210
TestAmerica Canton	Wisconsin	State Program	5	999518190

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

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Canton Job Number: 240-24831-1
SDG No.: _____
Project: H+C Power Plant, Lake Linden, MI

Client Sample ID	Lab Sample ID
LLI01-41NW-0005-SSXX	240-24831-1
LLI01-41NW-0502-SSXX	240-24831-2
LLI01-41NW-0205-SSXX	240-24831-3
LLI01-41SW-0005-SSXX	240-24831-4
LLI01-41SW-0502-SSXX	240-24831-5
LLI01-41SW-0205-SSXX	240-24831-6
LLI01-33NW-0005-SSXX	240-24831-7
LLI01-33NW-0502-SSXX	240-24831-8
LLI01-33NW-0205-SSXX	240-24831-9
LLI01-32SE-0005-SSXX	240-24831-10
LLI01-32SE-0502-SSXX	240-24831-11
LLI01-32SE-0205-SSXX	240-24831-12
LLI01-24SE-0005-SSXX	240-24831-13
LLI01-24SE-0502-SSXX	240-24831-14
LLI01-24SE-0205-SSXX	240-24831-15
LLI01-24SE-DUP1-SSXX	240-24831-16
LLI01-24SW-0005-SSXX	240-24831-17
LLI01-24SW-0502-SSXX	240-24831-18
LLI01-24SW-0205-SSXX	240-24831-19
LLI01-26SW-0005-SSXX	240-24831-20
LLI01-26SW-0502-SSXX	240-24831-21
LLI01-26SW-0205-SSXX	240-24831-22
LLI01-26NE-0005-SSXX	240-24831-23
LLI01-26NE-0502-SSXX	240-24831-24
LLI01-26NE-0205-SSXX	240-24831-25
LLI01-34SE-0005-SSXX	240-24831-26
LLI01-34SE-0502-SSXX	240-24831-27
LLI01-34NE-0005-SSXX	240-24831-28
LLI01-34NE-0502-SSXX	240-24831-29
LLI01-34NE-0205-SSXX	240-24831-30
LLI01-34NE-DUP2-SSXX	240-24831-31
LLI01-64NW-0005-SSXX	240-24831-32
LLI01-64NW-0502-SSXX	240-24831-33
LLI01-64NW-0205-SSXX	240-24831-34
LLI01-DUP4-XXXX-SSXX	240-24831-35
LLI01-72SW-0005-SSXX	240-24831-36
LLI01-72SW-0502-SSXX	240-24831-37
LLI01-72SW-0205-SSXX	240-24831-38
LLI01-70NE-0005-SSXX	240-24831-39
LLI01-70NE-0502-SSXX	240-24831-40
LLI01-70NE-0205-SSXX	240-24831-41
LLI01-70NW-0005-SSXX	240-24831-42
LLI01-70NW-0502-SSXX	240-24831-43
LLI01-70NW-0205-SSXX	240-24831-44
LLI01-DUP3-XXXX-SSXX	240-24831-45

Comments:

COVER PAGE
METALS

Lab Name: TestAmerica Canton Job Number: 240-24831-1

SDG No.: _____

Project: H+C Power Plant, Lake Linden, MI

Client Sample ID	Lab Sample ID
<u>LLI01-70SW-0005-SSXX</u>	<u>240-24831-46</u>
<u>LLI01-70SW-0502-SSXX</u>	<u>240-24831-47</u>
<u>LLI01-70SW-0205-SSXX</u>	<u>240-24831-48</u>
<u>LLI01-31SW-0005-SSXX</u>	<u>240-24831-49</u>
<u>LLI01-31SW-0502-SSXX</u>	<u>240-24831-50</u>
<u>LLI01-23SW-0005-SSXX</u>	<u>240-24831-51</u>
<u>LLI01-23SW-0502-SSXX</u>	<u>240-24831-52</u>

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: LLI01-41NW-0005-SSXX Lab Sample ID: 240-24831-1

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG ID.: _____

Matrix: Solid Date Sampled: 05/21/2013 15:31

Reporting Basis: DRY Date Received: 05/23/2013 09:15

% Solids: 82.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	1100	1100	440	ug/Kg	U		1	6010B
7440-38-2	Arsenic	6200	1100	340	ug/Kg			1	6010B
7440-50-8	Copper	930000	2800	830	ug/Kg			1	6010B
7439-89-6	Iron	13000000	11000	5500	ug/Kg			1	6010B
7439-92-1	Lead	42000	340	210	ug/Kg			1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: LLI01-41NW-0502-SSXX Lab Sample ID: 240-24831-2

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG ID.: _____

Matrix: Solid Date Sampled: 05/21/2013 15:32

Reporting Basis: DRY Date Received: 05/23/2013 09:15

% Solids: 84.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	1100	1100	450	ug/Kg	U		1	6010B
7440-38-2	Arsenic	3900	1100	340	ug/Kg			1	6010B
7440-50-8	Copper	120000	2900	850	ug/Kg			1	6010B
7439-89-6	Iron	7000000	11000	5600	ug/Kg			1	6010B
7439-92-1	Lead	470000	340	220	ug/Kg			1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: LLI01-41NW-0205-SSXX Lab Sample ID: 240-24831-3

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG ID.:

Matrix: Solid Date Sampled: 05/21/2013 15:33

Reporting Basis: DRY Date Received: 05/23/2013 09:15

% Solids: 92.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	900	900	350	ug/Kg	U		1	6010B
7440-38-2	Arsenic	1600	900	270	ug/Kg			1	6010B
7440-50-8	Copper	240000	2300	670	ug/Kg			1	6010B
7439-89-6	Iron	5600000	9000	4400	ug/Kg			1	6010B
7439-92-1	Lead	13000	270	170	ug/Kg			1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: LLI01-41SW-0005-SSXX Lab Sample ID: 240-24831-4

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG ID.:

Matrix: Solid Date Sampled: 05/21/2013 15:40

Reporting Basis: DRY Date Received: 05/23/2013 09:15

% Solids: 83.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	950	950	370	ug/Kg	U		1	6010B
7440-38-2	Arsenic	7600	950	290	ug/Kg			1	6010B
7440-50-8	Copper	1200000	2400	700	ug/Kg			1	6010B
7439-89-6	Iron	12000000	9500	4700	ug/Kg			1	6010B
7439-92-1	Lead	76000	290	180	ug/Kg			1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: LLI01-41SW-0502-SSXX Lab Sample ID: 240-24831-5

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG ID.: _____

Matrix: Solid Date Sampled: 05/21/2013 15:41

Reporting Basis: DRY Date Received: 05/23/2013 09:15

% Solids: 80.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	1200	1200	470	ug/Kg	U		1	6010B
7440-38-2	Arsenic	6700	1200	360	ug/Kg			1	6010B
7440-50-8	Copper	1500000	3000	880	ug/Kg			1	6010B
7439-89-6	Iron	12000000	12000	5800	ug/Kg			1	6010B
7439-92-1	Lead	79000	360	230	ug/Kg			1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: LLI01-41SW-0205-SSXX Lab Sample ID: 240-24831-6

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG ID.: _____

Matrix: Solid Date Sampled: 05/21/2013 15:42

Reporting Basis: DRY Date Received: 05/23/2013 09:15

% Solids: 90.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	970	970	380	ug/Kg	U		1	6010B
7440-38-2	Arsenic	2400	970	290	ug/Kg			1	6010B
7440-50-8	Copper	880000	2400	720	ug/Kg			1	6010B
7439-89-6	Iron	18000000	9700	4800	ug/Kg			1	6010B
7439-92-1	Lead	15000	290	190	ug/Kg			1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: LLI01-33NW-0005-SSXX Lab Sample ID: 240-24831-7

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG ID.: _____

Matrix: Solid Date Sampled: 05/21/2013 15:45

Reporting Basis: DRY Date Received: 05/23/2013 09:15

% Solids: 84.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	680	1100	410	ug/Kg	J		1	6010B
7440-38-2	Arsenic	5900	1100	320	ug/Kg			1	6010B
7440-50-8	Copper	1800000	2600	780	ug/Kg			1	6010B
7439-89-6	Iron	10000000	11000	5200	ug/Kg			1	6010B
7439-92-1	Lead	91000	320	200	ug/Kg			1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: LLI01-33NW-0502-SSXX Lab Sample ID: 240-24831-8

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG ID.: _____

Matrix: Solid Date Sampled: 05/21/2013 15:46

Reporting Basis: DRY Date Received: 05/23/2013 09:15

% Solids: 85.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	1100	1100	410	ug/Kg	U		1	6010B
7440-38-2	Arsenic	8400	1100	320	ug/Kg			1	6010B
7440-50-8	Copper	640000	2700	790	ug/Kg			1	6010B
7439-89-6	Iron	9300000	11000	5200	ug/Kg			1	6010B
7439-92-1	Lead	63000	320	200	ug/Kg			1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: LLI01-33NW-0205-SSXX Lab Sample ID: 240-24831-9

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG ID.: _____

Matrix: Solid Date Sampled: 05/21/2013 15:47

Reporting Basis: DRY Date Received: 05/23/2013 09:15

% Solids: 88.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	1000	1000	400	ug/Kg	U		1	6010B
7440-38-2	Arsenic	2000	1000	310	ug/Kg			1	6010B
7440-50-8	Copper	2100000	2600	770	ug/Kg			1	6010B
7439-89-6	Iron	7900000	10000	5100	ug/Kg			1	6010B
7439-92-1	Lead	36000	310	200	ug/Kg			1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: LLI01-32SE-0005-SSXX Lab Sample ID: 240-24831-10
Lab Name: TestAmerica Canton Job No.: 240-24831-1
SDG ID.:
Matrix: Solid Date Sampled: 05/21/2013 15:50
Reporting Basis: DRY Date Received: 05/23/2013 09:15
% Solids: 85.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	450	1100	420	ug/Kg	J		1	6010B
7440-38-2	Arsenic	11000	1100	320	ug/Kg			1	6010B
7440-50-8	Copper	2300000	2700	800	ug/Kg			1	6010B
7439-89-6	Iron	13000000	11000	5300	ug/Kg			1	6010B
7439-92-1	Lead	120000	320	200	ug/Kg			1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: LLI01-32SE-0502-SSXX Lab Sample ID: 240-24831-11

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG ID.: _____

Matrix: Solid Date Sampled: 05/21/2013 15:51

Reporting Basis: DRY Date Received: 05/23/2013 09:15

% Solids: 80.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	1100	1100	420	ug/Kg	U		1	6010B
7440-38-2	Arsenic	6700	1100	330	ug/Kg			1	6010B
7440-50-8	Copper	1200000	2700	810	ug/Kg			1	6010B
7439-89-6	Iron	10000000	11000	5300	ug/Kg			1	6010B
7439-92-1	Lead	98000	330	210	ug/Kg			1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: LLI01-32SE-0205-SSXX Lab Sample ID: 240-24831-12

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG ID.: _____

Matrix: Solid Date Sampled: 05/21/2013 15:52

Reporting Basis: DRY Date Received: 05/23/2013 09:15

% Solids: 82.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	1100	1100	420	ug/Kg	U		1	6010B
7440-38-2	Arsenic	4000	1100	320	ug/Kg			1	6010B
7440-50-8	Copper	350000	2700	790	ug/Kg			1	6010B
7439-89-6	Iron	8700000	11000	5200	ug/Kg			1	6010B
7439-92-1	Lead	9100	320	200	ug/Kg			1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: LLI01-24SE-0005-SSXX Lab Sample ID: 240-24831-13

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG ID.: _____

Matrix: Solid Date Sampled: 05/21/2013 15:56

Reporting Basis: DRY Date Received: 05/23/2013 09:15

% Solids: 85.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	1100	1100	420	ug/Kg	U		1	6010B
7440-38-2	Arsenic	4400	1100	320	ug/Kg			1	6010B
7440-50-8	Copper	660000	2700	800	ug/Kg			1	6010B
7439-89-6	Iron	9500000	11000	5300	ug/Kg			1	6010B
7439-92-1	Lead	66000	320	200	ug/Kg			1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: LLI01-24SE-0502-SSXX Lab Sample ID: 240-24831-14
Lab Name: TestAmerica Canton Job No.: 240-24831-1
SDG ID.:
Matrix: Solid Date Sampled: 05/21/2013 15:57
Reporting Basis: DRY Date Received: 05/23/2013 09:15
% Solids: 83.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	1100	1100	420	ug/Kg	U		1	6010B
7440-38-2	Arsenic	4200	1100	320	ug/Kg			1	6010B
7440-50-8	Copper	1300000	2700	790	ug/Kg			1	6010B
7439-89-6	Iron	9300000	11000	5200	ug/Kg			1	6010B
7439-92-1	Lead	110000	320	200	ug/Kg			1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: LLI01-24SE-0205-SSXX Lab Sample ID: 240-24831-15

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG ID.: _____

Matrix: Solid Date Sampled: 05/21/2013 15:58

Reporting Basis: DRY Date Received: 05/23/2013 09:15

% Solids: 84.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	1200	1200	460	ug/Kg	U		1	6010B
7440-38-2	Arsenic	3600	1200	350	ug/Kg			1	6010B
7440-50-8	Copper	130000	2900	870	ug/Kg			1	6010B
7439-89-6	Iron	7100000	12000	5800	ug/Kg			1	6010B
7439-92-1	Lead	5300	350	220	ug/Kg			1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: LLI01-24SE-DUP1-SSXX Lab Sample ID: 240-24831-16

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG ID.: _____

Matrix: Solid Date Sampled: 05/21/2013 15:57

Reporting Basis: DRY Date Received: 05/23/2013 09:15

% Solids: 86.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	1000	1000	390	ug/Kg	U		1	6010B
7440-38-2	Arsenic	9600	1000	300	ug/Kg			1	6010B
7440-50-8	Copper	950000	2500	740	ug/Kg			1	6010B
7439-89-6	Iron	14000000	10000	4900	ug/Kg			1	6010B
7439-92-1	Lead	140000	300	190	ug/Kg			1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: LLI01-24SW-0005-SSXX Lab Sample ID: 240-24831-17
Lab Name: TestAmerica Canton Job No.: 240-24831-1
SDG ID.:
Matrix: Solid Date Sampled: 05/21/2013 16:01
Reporting Basis: DRY Date Received: 05/23/2013 09:15
% Solids: 83.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	1100	1100	420	ug/Kg	U		1	6010B
7440-38-2	Arsenic	4700	1100	320	ug/Kg			1	6010B
7440-50-8	Copper	810000	2700	800	ug/Kg			1	6010B
7439-89-6	Iron	12000000	11000	5300	ug/Kg			1	6010B
7439-92-1	Lead	72000	320	200	ug/Kg			1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: LLI01-24SW-0502-SSXX Lab Sample ID: 240-24831-18

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG ID.: _____

Matrix: Solid Date Sampled: 05/21/2013 16:03

Reporting Basis: DRY Date Received: 05/23/2013 09:15

% Solids: 80.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	1100	1100	450	ug/Kg	U		1	6010B
7440-38-2	Arsenic	5500	1100	340	ug/Kg			1	6010B
7440-50-8	Copper	230000	2900	850	ug/Kg			1	6010B
7439-89-6	Iron	10000000	11000	5600	ug/Kg			1	6010B
7439-92-1	Lead	7300	340	220	ug/Kg			1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: LLI01-24SW-0205-SSXX Lab Sample ID: 240-24831-19

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG ID.:

Matrix: Solid Date Sampled: 05/21/2013 16:04

Reporting Basis: DRY Date Received: 05/23/2013 09:15

% Solids: 80.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	1700	1200	480	ug/Kg			1	6010B
7440-38-2	Arsenic	6700	1200	370	ug/Kg			1	6010B
7440-50-8	Copper	2800000	3000	900	ug/Kg			1	6010B
7439-89-6	Iron	16000000	12000	6000	ug/Kg		B	1	6010B
7439-92-1	Lead	77000	370	230	ug/Kg			1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: LLI01-26SW-0005-SSXX Lab Sample ID: 240-24831-20
Lab Name: TestAmerica Canton Job No.: 240-24831-1
SDG ID.:
Matrix: Solid Date Sampled: 05/21/2013 16:11
Reporting Basis: DRY Date Received: 05/23/2013 09:15
% Solids: 80.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	1200	1100	450	ug/Kg			1	6010B
7440-38-2	Arsenic	8900	1100	340	ug/Kg			1	6010B
7440-50-8	Copper	610000	2900	840	ug/Kg			1	6010B
7439-89-6	Iron	19000000	11000	5600	ug/Kg		B	1	6010B
7439-92-1	Lead	49000	340	220	ug/Kg			1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: LLI01-26SW-0502-SSXX Lab Sample ID: 240-24831-21

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG ID.: _____

Matrix: Solid Date Sampled: 05/21/2013 16:12

Reporting Basis: DRY Date Received: 05/23/2013 09:15

% Solids: 75.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	1500	1200	460	ug/Kg			1	6010B
7440-38-2	Arsenic	25000	1200	360	ug/Kg			1	6010B
7440-50-8	Copper	1200000	3000	880	ug/Kg			1	6010B
7439-89-6	Iron	27000000	12000	5800	ug/Kg		B	1	6010B
7439-92-1	Lead	290000	360	230	ug/Kg			1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: LLI01-26SW-0205-SSXX Lab Sample ID: 240-24831-22

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG ID.: _____

Matrix: Solid Date Sampled: 05/21/2013 16:13

Reporting Basis: DRY Date Received: 05/23/2013 09:15

% Solids: 87.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	530	1100	420	ug/Kg	J		1	6010B
7440-38-2	Arsenic	23000	1100	330	ug/Kg			1	6010B
7440-50-8	Copper	71000	2700	800	ug/Kg			1	6010B
7439-89-6	Iron	21000000	11000	5300	ug/Kg		B	1	6010B
7439-92-1	Lead	12000	330	210	ug/Kg			1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: LLI01-26NE-0005-SSXX Lab Sample ID: 240-24831-23

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG ID.:

Matrix: Solid Date Sampled: 05/21/2013 16:16

Reporting Basis: DRY Date Received: 05/23/2013 09:15

% Solids: 66.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	6700	1400	540	ug/Kg			1	6010B
7440-38-2	Arsenic	20000	1400	410	ug/Kg			1	6010B
7440-50-8	Copper	6800000	17000	5100	ug/Kg			5	6010B
7439-89-6	Iron	27000000	14000	6800	ug/Kg		B	1	6010B
7439-92-1	Lead	3500000	2100	1300	ug/Kg			5	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: LLI01-26NE-0502-SSXX Lab Sample ID: 240-24831-24

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG ID.: _____

Matrix: Solid Date Sampled: 05/21/2013 16:17

Reporting Basis: DRY Date Received: 05/23/2013 09:15

% Solids: 83.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	840	1200	450	ug/Kg	J		1	6010B
7440-38-2	Arsenic	8500	1200	350	ug/Kg			1	6010B
7440-50-8	Copper	6100000	14000	4300	ug/Kg			5	6010B
7439-89-6	Iron	20000000	12000	5600	ug/Kg		B	1	6010B
7439-92-1	Lead	50000	350	220	ug/Kg			1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: LLI01-26NE-0205-SSXX Lab Sample ID: 240-24831-25
Lab Name: TestAmerica Canton Job No.: 240-24831-1
SDG ID.:
Matrix: Solid Date Sampled: 05/21/2013 16:18
Reporting Basis: DRY Date Received: 05/23/2013 09:15
% Solids: 87.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	970	970	380	ug/Kg	U		1	6010B
7440-38-2	Arsenic	4800	970	290	ug/Kg			1	6010B
7440-50-8	Copper	140000	2400	720	ug/Kg			1	6010B
7439-89-6	Iron	9100000	9700	4800	ug/Kg		B	1	6010B
7439-92-1	Lead	11000	290	190	ug/Kg			1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: LLI01-34SE-0005-SSXX Lab Sample ID: 240-24831-26

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG ID.:

Matrix: Solid Date Sampled: 05/21/2013 16:21

Reporting Basis: DRY Date Received: 05/23/2013 09:15

% Solids: 82.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	1300	1200	450	ug/Kg			1	6010B
7440-38-2	Arsenic	12000	1200	350	ug/Kg			1	6010B
7440-50-8	Copper	1400000	2900	860	ug/Kg			1	6010B
7439-89-6	Iron	14000000	12000	5700	ug/Kg		B	1	6010B
7439-92-1	Lead	290000	350	220	ug/Kg			1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: LLI01-34SE-0502-SSXX Lab Sample ID: 240-24831-27

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG ID.: _____

Matrix: Solid Date Sampled: 05/21/2013 16:22

Reporting Basis: DRY Date Received: 05/23/2013 09:15

% Solids: 74.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	3000	2100	830	ug/Kg			2	6010B
7440-38-2	Arsenic	15000	1100	320	ug/Kg			1	6010B
7440-50-8	Copper	2000000	2700	790	ug/Kg			1	6010B
7439-89-6	Iron	65000000	21000	10000	ug/Kg		B	2	6010B
7439-92-1	Lead	2700000	640	410	ug/Kg			2	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: LLI01-34NE-0005-SSXX Lab Sample ID: 240-24831-28
Lab Name: TestAmerica Canton Job No.: 240-24831-1
SDG ID.:
Matrix: Solid Date Sampled: 05/21/2013 16:24
Reporting Basis: DRY Date Received: 05/23/2013 09:15
% Solids: 84.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	740	900	350	ug/Kg	J		1	6010B
7440-38-2	Arsenic	6200	900	270	ug/Kg			1	6010B
7440-50-8	Copper	1200000	2300	670	ug/Kg			1	6010B
7439-89-6	Iron	12000000	9000	4400	ug/Kg		B	1	6010B
7439-92-1	Lead	260000	270	170	ug/Kg			1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: LLI01-34NE-0502-SSXX Lab Sample ID: 240-24831-29
Lab Name: TestAmerica Canton Job No.: 240-24831-1
SDG ID.:
Matrix: Solid Date Sampled: 05/21/2013 16:26
Reporting Basis: DRY Date Received: 05/23/2013 09:15
% Solids: 79.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	3300	990	390	ug/Kg			1	6010B
7440-38-2	Arsenic	15000	990	300	ug/Kg			1	6010B
7440-50-8	Copper	1000000	2500	730	ug/Kg			1	6010B
7439-89-6	Iron	16000000	9900	4800	ug/Kg		B	1	6010B
7439-92-1	Lead	110000	300	190	ug/Kg			1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: LLI01-34NE-0205-SSXX Lab Sample ID: 240-24831-30

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG ID.:

Matrix: Solid Date Sampled: 05/21/2013 16:27

Reporting Basis: DRY Date Received: 05/23/2013 09:15

% Solids: 77.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	1200	1200	490	ug/Kg	U		1	6010B
7440-38-2	Arsenic	7000	1200	370	ug/Kg			1	6010B
7440-50-8	Copper	300000	3100	920	ug/Kg			1	6010B
7439-89-6	Iron	16000000	12000	6100	ug/Kg		B	1	6010B
7439-92-1	Lead	24000	370	240	ug/Kg			1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: LLI01-34NE-DUP2-SSXX Lab Sample ID: 240-24831-31

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG ID.: _____

Matrix: Solid Date Sampled: 05/21/2013 16:28

Reporting Basis: DRY Date Received: 05/23/2013 09:15

% Solids: 83.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	460	1100	420	ug/Kg	J		1	6010B
7440-38-2	Arsenic	7700	1100	330	ug/Kg			1	6010B
7440-50-8	Copper	310000	2700	800	ug/Kg			1	6010B
7439-89-6	Iron	14000000	11000	5300	ug/Kg		B	1	6010B
7439-92-1	Lead	13000	330	210	ug/Kg			1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: LLI01-64NW-0005-SSXX Lab Sample ID: 240-24831-32
Lab Name: TestAmerica Canton Job No.: 240-24831-1
SDG ID.:
Matrix: Solid Date Sampled: 05/22/2013 07:55
Reporting Basis: DRY Date Received: 05/23/2013 09:15
% Solids: 84.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	1600	1000	390	ug/Kg			1	6010B
7440-38-2	Arsenic	6200	1000	300	ug/Kg			1	6010B
7440-50-8	Copper	2200000	2500	740	ug/Kg			1	6010B
7439-89-6	Iron	13000000	10000	4900	ug/Kg		B	1	6010B
7439-92-1	Lead	130000	300	190	ug/Kg			1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: LLI01-64NW-0502-SSXX Lab Sample ID: 240-24831-33
Lab Name: TestAmerica Canton Job No.: 240-24831-1
SDG ID.:
Matrix: Solid Date Sampled: 05/22/2013 07:56
Reporting Basis: DRY Date Received: 05/23/2013 09:15
% Solids: 86.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	940	1100	420	ug/Kg	J		1	6010B
7440-38-2	Arsenic	3000	1100	320	ug/Kg			1	6010B
7440-50-8	Copper	1200000	2700	790	ug/Kg			1	6010B
7439-89-6	Iron	8900000	11000	5200	ug/Kg		B	1	6010B
7439-92-1	Lead	49000	320	200	ug/Kg			1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: LLI01-64NW-0205-SSXX Lab Sample ID: 240-24831-34
Lab Name: TestAmerica Canton Job No.: 240-24831-1
SDG ID.:
Matrix: Solid Date Sampled: 05/22/2013 07:57
Reporting Basis: DRY Date Received: 05/23/2013 09:15
% Solids: 84.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	950	1100	410	ug/Kg	J		1	6010B
7440-38-2	Arsenic	9500	1100	320	ug/Kg			1	6010B
7440-50-8	Copper	3400000	13000	3900	ug/Kg			5	6010B
7439-89-6	Iron	17000000	11000	5200	ug/Kg		B	1	6010B
7439-92-1	Lead	390000	320	200	ug/Kg			1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: LLI01-DUP4-XXXX-SSXX Lab Sample ID: 240-24831-35

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG ID.: _____

Matrix: Solid Date Sampled: 05/22/2013 07:56

Reporting Basis: DRY Date Received: 05/23/2013 09:15

% Solids: 82.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	1300	950	370	ug/Kg			1	6010B
7440-38-2	Arsenic	17000	950	280	ug/Kg			1	6010B
7440-50-8	Copper	7600000	12000	3500	ug/Kg			5	6010B
7439-89-6	Iron	19000000	9500	4600	ug/Kg		B	1	6010B
7439-92-1	Lead	440000	280	180	ug/Kg			1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: LLI01-72SW-0005-SSXX Lab Sample ID: 240-24831-36
Lab Name: TestAmerica Canton Job No.: 240-24831-1
SDG ID.:
Matrix: Solid Date Sampled: 05/22/2013 08:01
Reporting Basis: DRY Date Received: 05/23/2013 09:15
% Solids: 82.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	1600	1100	430	ug/Kg			1	6010B
7440-38-2	Arsenic	5600	1100	330	ug/Kg			1	6010B
7440-50-8	Copper	5300000	14000	4100	ug/Kg			5	6010B
7439-89-6	Iron	14000000	11000	5400	ug/Kg		B	1	6010B
7439-92-1	Lead	77000	330	210	ug/Kg			1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: LLI01-72SW-0502-SSXX Lab Sample ID: 240-24831-37
Lab Name: TestAmerica Canton Job No.: 240-24831-1
SDG ID.:
Matrix: Solid Date Sampled: 05/22/2013 08:02
Reporting Basis: DRY Date Received: 05/23/2013 09:15
% Solids: 89.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	390	940	370	ug/Kg	J		1	6010B
7440-38-2	Arsenic	3700	940	280	ug/Kg			1	6010B
7440-50-8	Copper	1400000	2400	700	ug/Kg			1	6010B
7439-89-6	Iron	12000000	9400	4600	ug/Kg		B	1	6010B
7439-92-1	Lead	31000	280	180	ug/Kg			1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: LLI01-72SW-0205-SSXX Lab Sample ID: 240-24831-38
Lab Name: TestAmerica Canton Job No.: 240-24831-1
SDG ID.:
Matrix: Solid Date Sampled: 05/22/2013 08:03
Reporting Basis: DRY Date Received: 05/23/2013 09:15
% Solids: 85.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	1700	900	350	ug/Kg			1	6010B
7440-38-2	Arsenic	6900	900	270	ug/Kg			1	6010B
7440-50-8	Copper	5700000	11000	3300	ug/Kg			5	6010B
7439-89-6	Iron	24000000	9000	4400	ug/Kg		B	1	6010B
7439-92-1	Lead	160000	270	170	ug/Kg			1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: LLI01-70NE-0005-SSXX Lab Sample ID: 240-24831-39

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG ID.:

Matrix: Solid Date Sampled: 05/22/2013 08:12

Reporting Basis: DRY Date Received: 05/23/2013 09:15

% Solids: 82.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	1100	1000	400	ug/Kg			1	6010B
7440-38-2	Arsenic	7600	1000	310	ug/Kg			1	6010B
7440-50-8	Copper	5600000	13000	3800	ug/Kg			5	6010B
7439-89-6	Iron	16000000	10000	5100	ug/Kg			1	6010B
7439-92-1	Lead	62000	1600	980	ug/Kg			5	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: LLI01-70NE-0502-SSXX Lab Sample ID: 240-24831-40
Lab Name: TestAmerica Canton Job No.: 240-24831-1
SDG ID.:
Matrix: Solid Date Sampled: 05/22/2013 08:13
Reporting Basis: DRY Date Received: 05/23/2013 09:15
% Solids: 92.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	910	910	360	ug/Kg	U		1	6010B
7440-38-2	Arsenic	1300	910	270	ug/Kg			1	6010B
7440-50-8	Copper	22000	2300	680	ug/Kg			1	6010B
7439-89-6	Iron	9900000	9100	4500	ug/Kg			1	6010B
7439-92-1	Lead	1400	270	170	ug/Kg			1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: LLI01-70NE-0205-SSXX Lab Sample ID: 240-24831-41

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG ID.: _____

Matrix: Solid Date Sampled: 05/22/2013 08:14

Reporting Basis: DRY Date Received: 05/23/2013 09:15

% Solids: 92.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	1000	1000	400	ug/Kg	U		1	6010B
7440-38-2	Arsenic	900	1000	310	ug/Kg	J		1	6010B
7440-50-8	Copper	7100	2600	760	ug/Kg			1	6010B
7439-89-6	Iron	4500000	10000	5000	ug/Kg			1	6010B
7439-92-1	Lead	850	310	190	ug/Kg			1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: LLI01-70NW-0005-SSXX Lab Sample ID: 240-24831-42

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG ID.: _____

Matrix: Solid Date Sampled: 05/22/2013 08:18

Reporting Basis: DRY Date Received: 05/23/2013 09:15

% Solids: 84.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	1100	1100	440	ug/Kg	U		1	6010B
7440-38-2	Arsenic	3800	1100	340	ug/Kg			1	6010B
7440-50-8	Copper	1600000	2800	830	ug/Kg			1	6010B
7439-89-6	Iron	12000000	11000	5500	ug/Kg			1	6010B
7439-92-1	Lead	51000	340	210	ug/Kg			1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: LLI01-70NW-0502-SSXX Lab Sample ID: 240-24831-43

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG ID.:

Matrix: Solid Date Sampled: 05/22/2013 08:19

Reporting Basis: DRY Date Received: 05/23/2013 09:15

% Solids: 85.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	1100	1100	440	ug/Kg	U		1	6010B
7440-38-2	Arsenic	3900	1100	340	ug/Kg			1	6010B
7440-50-8	Copper	1100000	2800	830	ug/Kg			1	6010B
7439-89-6	Iron	19000000	11000	5500	ug/Kg			1	6010B
7439-92-1	Lead	56000	340	210	ug/Kg			1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: LLI01-70NW-0205-SSXX Lab Sample ID: 240-24831-44

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG ID.: _____

Matrix: Solid Date Sampled: 05/22/2013 08:20

Reporting Basis: DRY Date Received: 05/23/2013 09:15

% Solids: 85.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	1000	1000	410	ug/Kg	U		1	6010B
7440-38-2	Arsenic	1600	1000	310	ug/Kg			1	6010B
7440-50-8	Copper	22000	2600	770	ug/Kg			1	6010B
7439-89-6	Iron	12000000	10000	5100	ug/Kg			1	6010B
7439-92-1	Lead	2100	310	200	ug/Kg			1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: LLI01-DUP3-XXXX-SSXX Lab Sample ID: 240-24831-45
Lab Name: TestAmerica Canton Job No.: 240-24831-1
SDG ID.:
Matrix: Solid Date Sampled: 05/22/2013 08:20
Reporting Basis: DRY Date Received: 05/23/2013 09:15
% Solids: 83.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	920	920	360	ug/Kg	U		1	6010B
7440-38-2	Arsenic	1800	920	270	ug/Kg			1	6010B
7440-50-8	Copper	24000	2300	680	ug/Kg			1	6010B
7439-89-6	Iron	12000000	9200	4500	ug/Kg			1	6010B
7439-92-1	Lead	2200	270	170	ug/Kg			1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: LLI01-70SW-0005-SSXX Lab Sample ID: 240-24831-46

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG ID.: _____

Matrix: Solid Date Sampled: 05/22/2013 08:31

Reporting Basis: DRY Date Received: 05/23/2013 09:15

% Solids: 83.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	1100	1100	450	ug/Kg	U		1	6010B
7440-38-2	Arsenic	5000	1100	340	ug/Kg			1	6010B
7440-50-8	Copper	1300000	2900	850	ug/Kg			1	6010B
7439-89-6	Iron	12000000	11000	5600	ug/Kg			1	6010B
7439-92-1	Lead	35000	340	220	ug/Kg			1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: LLI01-70SW-0502-SSXX Lab Sample ID: 240-24831-47

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG ID.: _____

Matrix: Solid Date Sampled: 05/22/2013 08:32

Reporting Basis: DRY Date Received: 05/23/2013 09:15

% Solids: 91.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	930	930	360	ug/Kg	U		1	6010B
7440-38-2	Arsenic	1100	930	280	ug/Kg			1	6010B
7440-50-8	Copper	13000	2300	690	ug/Kg			1	6010B
7439-89-6	Iron	5400000	9300	4600	ug/Kg			1	6010B
7439-92-1	Lead	1400	280	180	ug/Kg			1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: LLI01-70SW-0205-SSXX Lab Sample ID: 240-24831-48
Lab Name: TestAmerica Canton Job No.: 240-24831-1
SDG ID.:
Matrix: Solid Date Sampled: 05/22/2013 08:33
Reporting Basis: DRY Date Received: 05/23/2013 09:15
% Solids: 86.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	990	990	390	ug/Kg	U		1	6010B
7440-38-2	Arsenic	1500	990	300	ug/Kg			1	6010B
7440-50-8	Copper	17000	2500	740	ug/Kg			1	6010B
7439-89-6	Iron	9500000	9900	4900	ug/Kg			1	6010B
7439-92-1	Lead	1600	300	190	ug/Kg			1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: LLI01-31SW-0005-SSXX Lab Sample ID: 240-24831-49
Lab Name: TestAmerica Canton Job No.: 240-24831-1
SDG ID.:
Matrix: Solid Date Sampled: 05/22/2013 13:12
Reporting Basis: DRY Date Received: 05/23/2013 09:15
% Solids: 52.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	1800	1800	700	ug/Kg			1	6010B
7440-38-2	Arsenic	68000	1800	540	ug/Kg			1	6010B
7440-50-8	Copper	8700000	22000	6600	ug/Kg			5	6010B
7439-89-6	Iron	44000000	18000	8800	ug/Kg			1	6010B
7439-92-1	Lead	1800000	2700	1700	ug/Kg			5	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: LLI01-31SW-0502-SSXX Lab Sample ID: 240-24831-50
Lab Name: TestAmerica Canton Job No.: 240-24831-1
SDG ID.:
Matrix: Solid Date Sampled: 05/22/2013 13:14
Reporting Basis: DRY Date Received: 05/23/2013 09:15
% Solids: 66.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	46000	12000	4700	ug/Kg			10	6010B
7440-38-2	Arsenic	210000	1200	360	ug/Kg			1	6010B
7440-50-8	Copper	12000000	30000	9000	ug/Kg			10	6010B
7439-89-6	Iron	110000000	120000	59000	ug/Kg			10	6010B
7439-92-1	Lead	13000000	3600	2300	ug/Kg			10	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: LLI01-23SW-0005-SSXX Lab Sample ID: 240-24831-51
Lab Name: TestAmerica Canton Job No.: 240-24831-1
SDG ID.:
Matrix: Solid Date Sampled: 05/22/2013 13:22
Reporting Basis: DRY Date Received: 05/23/2013 09:15
% Solids: 63.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	1300	1300	520	ug/Kg	U		1	6010B
7440-38-2	Arsenic	40000	1300	400	ug/Kg			1	6010B
7440-50-8	Copper	380000	3300	990	ug/Kg			1	6010B
7439-89-6	Iron	18000000	13000	6500	ug/Kg			1	6010B
7439-92-1	Lead	26000	400	250	ug/Kg			1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: LLI01-23SW-0502-SSXX Lab Sample ID: 240-24831-52
Lab Name: TestAmerica Canton Job No.: 240-24831-1
SDG ID.:
Matrix: Solid Date Sampled: 05/22/2013 13:26
Reporting Basis: DRY Date Received: 05/23/2013 09:15
% Solids: 72.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	1000	1000	400	ug/Kg	U		1	6010B
7440-38-2	Arsenic	140000	1000	310	ug/Kg			1	6010B
7440-50-8	Copper	1800000	2600	760	ug/Kg			1	6010B
7439-89-6	Iron	30000000	10000	5100	ug/Kg			1	6010B
7439-92-1	Lead	1300000	310	200	ug/Kg			1	6010B

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

ICV Source: MT6500ICV_00011 Concentration Units: ug/L

CCV Source: MTTRCCV_00039

Analyte	ICV 240-88585/5 06/04/2013 13:55				CCV 240-88585/107 06/05/2013 00:04				CCV 240-88585/119 06/05/2013 01:16			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	363		375	97	519		500	104	512		500	102
Arsenic	371		375	99	512		500	102	504		500	101
Copper	1520		1500	101	2110		2000	105	2070		2000	104
Iron	12400		12500	99	26000		25000	104	25700		25000	103
Lead	377		375	100	521		500	104	514		500	103

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

ICV Source: MT6500ICV_00011 Concentration Units: ug/L

CCV Source: MTTRCCV_00039

Analyte	CCV 240-88585/131 06/05/2013 02:27				CCV 240-88585/143 06/05/2013 03:39				CCV 240-88585/155 06/05/2013 04:51			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	512		500	102	510		500	102	527		500	105
Arsenic	508		500	102	503		500	101	518		500	104
Copper	2050		2000	102	2040		2000	102	2100		2000	105
Iron	25800		25000	103	25700		25000	103	26500		25000	106
Lead	519		500	104	513		500	103	527		500	105

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

ICV Source: MT6500ICV_00011 Concentration Units: ug/L

CCV Source: MTTRCCV_00039

Analyte	ICV 240-88759/5 06/05/2013 11:38				CCV 240-88759/85 06/05/2013 19:45				CCV 240-88759/97 06/05/2013 20:58			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	362		375	97	514		500	103	515		500	103
Copper	1510		1500	101	2060		2000	103	2060		2000	103
Iron	12600		12500	101	26100		25000	104	26100		25000	104
Lead	371		375	99	520		500	104	520		500	104
<i>Arsenic</i>	367		375	98	519		500	104	517		500	103

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

ICV Source: MT6500ICV_00011 Concentration Units: ug/L

CCV Source: MTTRCCV_00039

Analyte	CCV 240-88759/109 06/05/2013 22:11											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	512		500	102								
Copper	2060		2000	103								
Iron	26100		25000	104								
Lead	519		500	104								
<i>Arsenic</i>	515		500	103								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

ICV Source: MT6500ICV_00011 Concentration Units: ug/L

CCV Source: MT6500CCV_00031

Analyte	ICV 240-87566/4 05/28/2013 15:44				CCV 240-87566/66 05/28/2013 20:44				CCV 240-87566/78 05/28/2013 21:31			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	366		375	98	486		500	97	476		500	95
Arsenic	365		375	97	491		500	98	486		500	97
Copper	1470		1500	98	1900		2000	95	1880		2000	94
Iron	12600		12500	100	24500		25000	98	24300		25000	97
Lead	359		375	96	475		500	95	472		500	94

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

ICV Source: MT6500ICV_00011 Concentration Units: ug/L

CCV Source: MT6500CCV_00031

Analyte	CCV 240-87566/90 05/28/2013 22:19				CCV 240-87566/102 05/28/2013 23:06							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	481		500	96	484		500	97				
Arsenic	490		500	98	491		500	98				
Copper	1880		2000	94	1880		2000	94				
Iron	24200		25000	97	24000		25000	96				
Lead	474		500	95	474		500	95				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

ICV Source: MT6500ICV_00011 Concentration Units: ug/L

CCV Source: MT6500CCV_00032

Analyte	ICV 240-87761/4 05/29/2013 10:12				CCV 240-87761/54 05/29/2013 13:31				CCV 240-87761/66 05/29/2013 14:18			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Copper	1490		1500	99	1950		2000	97	1940		2000	97
<i>Antimony</i>	374		375	100	496		500	99	496		500	99
<i>Arsenic</i>	374		375	100	495		500	99	492		500	98
<i>Iron</i>	12600		12500	101	24400		25000	97	24200		25000	97
<i>Lead</i>	367		375	98	478		500	96	472		500	94

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

ICV Source: MT6500ICV_00011 Concentration Units: ug/L

CCV Source: MT6500CCV_00032

Analyte	CCV 240-87761/246 05/30/2013 02:07				CCV 240-87761/258 05/30/2013 02:56							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Copper	1960		2000	98	1930		2000	97				
<i>Antimony</i>	502		500	100	499		500	100				
<i>Arsenic</i>	501		500	100	500		500	100				
<i>Iron</i>	25600		25000	103	25400		25000	102				
<i>Lead</i>	482		500	96	479		500	96				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

ICV Source: MT6500ICV_00011 Concentration Units: ug/L

CCV Source: MT6500CCV_00032

Analyte	ICV 240-88126/4 05/31/2013 09:22				CCV 240-88126/66 05/31/2013 13:52				CCV 240-88126/78 05/31/2013 14:39			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	369		375	98	495		500	99	499		500	100
Arsenic	368		375	98	500		500	100	499		500	100
Copper	1500		1500	100	1990		2000	99	2000		2000	100
Iron	12400		12500	99	24200		25000	97	24100		25000	96
Lead	364		375	97	485		500	97	481		500	96

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

ICV Source: MT6500ICV_00011 Concentration Units: ug/L

CCV Source: MT6500CCV_00032

Analyte	CCV 240-88126/186 05/31/2013 21:46				CCV 240-88126/198 05/31/2013 22:31				CCV 240-88126/210 05/31/2013 23:19			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	492		500	98	482		500	96	482		500	96
Arsenic	512		500	102	501		500	100	501		500	100
Copper	1960		2000	98	1910		2000	95	1910		2000	95
Iron	23900		25000	96	23600		25000	94	23800		25000	95
Lead	499		500	100	491		500	98	491		500	98

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

ICV Source: MT6500ICV_00011 Concentration Units: ug/L

CCV Source: MT6500CCV_00032

Analyte	CCV 240-88126/222 06/01/2013 00:07											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	481		500	96								
Arsenic	504		500	101								
Copper	1920		2000	96								
Iron	23700		25000	95								
Lead	497		500	99								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

ICV Source: MT6500ICV_00011 Concentration Units: ug/L

CCV Source: MT6500CCV_00032

Analyte	ICV 240-88345/4 06/03/2013 15:08				CCV 240-88345/18 06/03/2013 16:03				CCV 240-88345/30 06/03/2013 16:57			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	374		375	100	509		500	102	512		500	102
Arsenic	370		375	99	505		500	101	508		500	102
Copper	1510		1500	101	1970		2000	98	1910		2000	96
Iron	12800		12500	102	25200		25000	101	24600		25000	98
Lead	362		375	97	483		500	97	481		500	96

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1
 SDG No.: _____
 Method: 6010B Instrument ID: I6
 Lab Sample ID: CRI 240-88585/7 Concentration Units: ug/L
 CRQL Check Standard Source: MTTRCRIW_00011

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Antimony	10.0	9.18	J	92	50-150
Arsenic	15.0	15.0		100	50-150
Copper	15.0	16.4	J	109	50-150
Iron	300	301		100	50-150
Lead	10.0	11.4		114	50-150

Lab Sample ID: CRI 240-88759/7 Concentration Units: ug/L
 CRQL Check Standard Source: MTTRCRIW_00011

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Antimony	10.0	9.97	J	100	50-150
Arsenic	15.0	15.8		105	50-150
Copper	15.0	15.4	J	103	50-150
Iron	300	307		102	50-150
Lead	10.0	10.4		104	50-150

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

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1
 SDG No.: _____
 Method: 6010B Instrument ID: I9
 Lab Sample ID: CRI 240-87566/6 Concentration Units: ug/L
 CRQL Check Standard Source: MT6500CRIW_00008

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Antimony	10.0	11.2		112	50-150
Arsenic	15.0	16.5		110	50-150
Copper	15.0	16.1	J	107	50-150
Iron	300	312		104	50-150
Lead	10.0	11.4		114	50-150

Lab Sample ID: CRI 240-87761/6 Concentration Units: ug/L
 CRQL Check Standard Source: MT6500CRIW_00008

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Antimony	10.0	7.95	J	80	50-150
Arsenic	15.0	15.6		104	50-150
Copper	15.0	14.9	J	99	50-150
Iron	300	315		105	50-150
Lead	10.0	9.50		95	50-150

Lab Sample ID: CRI 240-88126/6 Concentration Units: ug/L
 CRQL Check Standard Source: MT6500CRIW_00008

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Antimony	10.0	9.53	J	95	50-150
Arsenic	15.0	14.9		99	50-150
Copper	15.0	15.7	J	105	50-150
Iron	300	308		103	50-150
Lead	10.0	10.6		106	50-150

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

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1
SDG No.: _____
Method: 6010B Instrument ID: I9
Lab Sample ID: CRI 240-88345/6 Concentration Units: ug/L
CRQL Check Standard Source: MT6500CRIW_00008

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Antimony	10.0	10.0		100	50-150
Arsenic	15.0	13.8		92	50-150
Copper	15.0	14.4	J	96	50-150
Iron	300	314		105	50-150
Lead	10.0	9.34		93	50-150

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

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICBIS 240-88585/6 06/04/2013 14:01		CCB 240-88585/108 06/05/2013 00:10		CCB 240-88585/120 06/05/2013 01:22		CCB 240-88585/132 06/05/2013 02:33	
		Found	C	Found	C	Found	C	Found	C
Antimony	10	10	U	10	U	10	U	10	U
Arsenic	10	10	U	10	U	10	U	10	U
Copper	25	25	U	25	U	25	U	25	U
Iron	100	100	U	100	U	100	U	100	U
Lead	3.0	3.0	U	3.0	U	3.0	U	3.0	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	CCB 240-88585/144 06/05/2013 03:45		CCB 240-88585/156 06/05/2013 04:57					
		Found	C	Found	C	Found	C	Found	C
Antimony	10	10	U	10	U				
Arsenic	10	10	U	10	U				
Copper	25	25	U	25	U				
Iron	100	100	U	100	U				
Lead	3.0	3.0	U	3.0	U				

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICBIS 240-88759/6 06/05/2013 11:44		CCB 240-88759/86 06/05/2013 19:51		CCB 240-88759/98 06/05/2013 21:04		CCB 240-88759/110 06/05/2013 22:17	
		Found	C	Found	C	Found	C	Found	C
Antimony	10	2.69	J	2.28	J	10	U	1.80	J
Copper	25	25	U	25	U	25	U	25	U
Iron	100	100	U	100	U	100	U	100	U
Lead	3.0	3.0	U	3.0	U	3.0	U	3.0	U
<i>Arsenic</i>	10	10	U	10	U	10	U	10	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 240-87566/5 05/28/2013 15:48		CCB 240-87566/67 05/28/2013 20:48		CCB 240-87566/79 05/28/2013 21:35		CCB 240-87566/91 05/28/2013 22:23	
		Found	C	Found	C	Found	C	Found	C
Antimony	10	5.09	J	10	U	2.13	J	2.53	J
Arsenic	10	10	U	10	U	10	U	10	U
Copper	25	25	U	25	U	25	U	25	U
Iron	100	100	U	100	U	100	U	100	U
Lead	3.0	3.0	U	3.0	U	3.0	U	3.0	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	CCB 240-87566/103 05/28/2013 23:10							
		Found	C	Found	C	Found	C	Found	C
Antimony	10	3.43	J						
Arsenic	10	10	U						
Copper	25	25	U						
Iron	100	100	U						
Lead	3.0	3.0	U						

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 240-87761/5 05/29/2013 10:16		CCB 240-87761/55 05/29/2013 13:34		CCB 240-87761/67 05/29/2013 14:22		CCB 240-87761/247 05/30/2013 02:11	
		Found	C	Found	C	Found	C	Found	C
Copper	25	25	U	25	U	25	U	25	U
<i>Antimony</i>	10	10	U	10	U	10	U	10	U
<i>Arsenic</i>	10	10	U	10	U	10	U	10	U
<i>Iron</i>	100	100	U	100	U	100	U	100	U
<i>Lead</i>	3.0	3.0	U	3.0	U	3.0	U	3.57	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	CCB 240-87761/259 05/30/2013 02:59							
		Found	C	Found	C	Found	C	Found	C
Copper	25	25	U						
<i>Antimony</i>	10	10	U						
<i>Arsenic</i>	10	10	U						
<i>Iron</i>	100	100	U						
<i>Lead</i>	3.0	3.0	U						

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 240-88126/5 05/31/2013 09:26		CCB 240-88126/67 05/31/2013 13:56		CCB 240-88126/79 05/31/2013 14:43		CCB 240-88126/187 05/31/2013 21:49	
		Found	C	Found	C	Found	C	Found	C
Antimony	10	10	U	10	U	10	U	10	U
Arsenic	10	10	U	10	U	10	U	10	U
Copper	25	25	U	25	U	25	U	25	U
Iron	100	100	U	100	U	100	U	100	U
Lead	3.0	3.0	U	1.94	J	3.0	U	1.96	J

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	CCB 240-88126/199 05/31/2013 22:35		CCB 240-88126/211 05/31/2013 23:23		CCB 240-88126/223 06/01/2013 00:11			
		Found	C	Found	C	Found	C	Found	C
Antimony	10	10	U	10	U	10	U		
Arsenic	10	4.90	J	10	U	10	U		
Copper	25	25	U	25	U	25	U		
Iron	100	100	U	100	U	100	U		
Lead	3.0	3.0	U	3.0	U	3.0	U		

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 240-88345/5 06/03/2013 15:11		CCB 240-88345/19 06/03/2013 16:07		CCB 240-88345/31 06/03/2013 17:01			
		Found	C	Found	C	Found	C	Found	C
Antimony	10	10	U	10	U	10	U		
Arsenic	10	10	U	10	U	10	U		
Copper	25	25	U	25	U	8.87	J		
Iron	100	100	U	100	U	100	U		
Lead	3.0	3.0	U	3.0	U	3.0	U		

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Concentration Units: ug/Kg Lab Sample ID: MB 240-87262/1-A

Instrument Code: I9 Batch No.: 87566

CAS No.	Analyte	Concentration	C	Q	Method
7440-36-0	Antimony	1000	U		6010B
7440-38-2	Arsenic	1000	U		6010B
7440-50-8	Copper	2500	U		6010B
7439-89-6	Iron	10000	U		6010B
7439-92-1	Lead	300	U		6010B

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Concentration Units: ug/Kg Lab Sample ID: MB 240-87274/1-A

Instrument Code: I9 Batch No.: 88126

CAS No.	Analyte	Concentration	C	Q	Method
7440-36-0	Antimony	1000	U		6010B
7440-38-2	Arsenic	1000	U		6010B
7440-50-8	Copper	2500	U		6010B
7439-89-6	Iron	10000	U		6010B
7439-92-1	Lead	300	U		6010B

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Concentration Units: ug/Kg Lab Sample ID: MB 240-87268/1-A

Instrument Code: I6 Batch No.: 88585

CAS No.	Analyte	Concentration	C	Q	Method
7440-36-0	Antimony	1000	U		6010B
7440-38-2	Arsenic	1000	U		6010B
7440-50-8	Copper	2500	U		6010B
7439-89-6	Iron	15900			6010B
7439-92-1	Lead	300	U		6010B

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1
 SDG No.: _____
 Lab Sample ID: ICSA 240-88585/9 Instrument ID: I6
 Lab File ID: I60604B ICS Source: MTTRICSAW_00018
 Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Antimony		-0.261	
Arsenic		2.38	
Copper		4.18	
Iron	200000	190695	95
Lead		-0.111	
<i>Aluminum</i>	<i>500000</i>	<i>475189</i>	<i>95</i>
<i>Barium</i>		<i>1.65</i>	
<i>Beryllium</i>		<i>0.132</i>	
<i>Boron</i>		<i>2.34</i>	
<i>Cadmium</i>		<i>-0.869</i>	
<i>Calcium</i>	<i>500000</i>	<i>517883</i>	<i>104</i>
<i>Chromium</i>		<i>-0.911</i>	
<i>Cobalt</i>		<i>0.244</i>	
<i>Magnesium</i>	<i>500000</i>	<i>492091</i>	<i>98</i>
<i>Manganese</i>		<i>3.71</i>	
<i>Molybdenum</i>		<i>1.34</i>	
<i>Nickel</i>		<i>-0.0024</i>	
<i>Potassium</i>		<i>37.6</i>	
<i>Selenium</i>		<i>-6.52</i>	
<i>Silver</i>		<i>0.249</i>	
<i>Sodium</i>		<i>-679</i>	
<i>Thallium</i>		<i>-1.37</i>	
<i>Tin</i>		<i>6.58</i>	
<i>Vanadium</i>		<i>-0.452</i>	
<i>Zinc</i>		<i>4.67</i>	

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

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1
 SDG No.: _____
 Lab Sample ID: ICSAB 240-88585/10 Instrument ID: I6
 Lab File ID: I60604B ICS Source: MTTRICSABW_00011
 Concentration Units: ug/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Antimony	1000	967	97
Arsenic	1000	976	98
Copper	500	517	103
Iron	200000	191759	96
Lead	1000	954	95
<i>Aluminum</i>	<i>500000</i>	<i>474444</i>	<i>95</i>
<i>Barium</i>	<i>500</i>	<i>505</i>	<i>101</i>
<i>Beryllium</i>	<i>500</i>	<i>497</i>	<i>99</i>
<i>Boron</i>	<i>1000</i>	<i>1013</i>	<i>101</i>
<i>Cadmium</i>	<i>1000</i>	<i>941</i>	<i>94</i>
<i>Calcium</i>	<i>500000</i>	<i>516954</i>	<i>103</i>
<i>Chromium</i>	<i>500</i>	<i>473</i>	<i>95</i>
<i>Cobalt</i>	<i>500</i>	<i>475</i>	<i>95</i>
<i>Magnesium</i>	<i>500000</i>	<i>495698</i>	<i>99</i>
<i>Manganese</i>	<i>500</i>	<i>495</i>	<i>99</i>
<i>Molybdenum</i>	<i>1000</i>	<i>975</i>	<i>97</i>
<i>Nickel</i>	<i>1000</i>	<i>939</i>	<i>94</i>
<i>Potassium</i>	<i>10000</i>	<i>10671</i>	<i>107</i>
<i>Selenium</i>	<i>1000</i>	<i>964</i>	<i>96</i>
<i>Silver</i>	<i>1000</i>	<i>1029</i>	<i>103</i>
<i>Sodium</i>	<i>10000</i>	<i>10380</i>	<i>104</i>
<i>Thallium</i>	<i>1000</i>	<i>954</i>	<i>95</i>
<i>Tin</i>	<i>1000</i>	<i>978</i>	<i>98</i>
<i>Vanadium</i>	<i>500</i>	<i>480</i>	<i>96</i>
<i>Zinc</i>	<i>1000</i>	<i>1014</i>	<i>101</i>

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

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1
 SDG No.: _____
 Lab Sample ID: ICSA 240-88759/10 Instrument ID: I6
 Lab File ID: I60605A ICS Source: MTTRICSAW_00018
 Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Antimony		2.95	
Copper		3.61	
Iron	200000	194287	97
Lead		2.71	
<i>Aluminum</i>	<i>500000</i>	<i>478604</i>	<i>96</i>
<i>Arsenic</i>		<i>4.16</i>	
<i>Barium</i>		<i>1.74</i>	
<i>Beryllium</i>		<i>0.0884</i>	
<i>Boron</i>		<i>3.46</i>	
<i>Cadmium</i>		<i>-0.397</i>	
<i>Calcium</i>	<i>500000</i>	<i>524985</i>	<i>105</i>
<i>Chromium</i>		<i>-0.643</i>	
<i>Cobalt</i>		<i>0.506</i>	
<i>Magnesium</i>	<i>500000</i>	<i>493979</i>	<i>99</i>
<i>Manganese</i>		<i>3.68</i>	
<i>Molybdenum</i>		<i>-0.0551</i>	
<i>Nickel</i>		<i>0.0374</i>	
<i>Potassium</i>		<i>31.4</i>	
<i>Selenium</i>		<i>0.111</i>	
<i>Silver</i>		<i>-0.0062</i>	
<i>Sodium</i>		<i>-997</i>	
<i>Thallium</i>		<i>4.10</i>	
<i>Tin</i>		<i>6.71</i>	
<i>Vanadium</i>		<i>-0.442</i>	
<i>Zinc</i>		<i>4.69</i>	

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

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1
 SDG No.: _____
 Lab Sample ID: ICSAB 240-88759/11 Instrument ID: I6
 Lab File ID: I60605A ICS Source: MTTRICSABW_00011
 Concentration Units: ug/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Antimony	1000	957	96
Copper	500	513	103
Iron	200000	194976	97
Lead	1000	943	94
<i>Aluminum</i>	<i>500000</i>	<i>480671</i>	<i>96</i>
<i>Arsenic</i>	<i>1000</i>	<i>964</i>	<i>96</i>
<i>Barium</i>	<i>500</i>	<i>503</i>	<i>101</i>
<i>Beryllium</i>	<i>500</i>	<i>491</i>	<i>98</i>
<i>Boron</i>	<i>1000</i>	<i>1006</i>	<i>101</i>
<i>Cadmium</i>	<i>1000</i>	<i>930</i>	<i>93</i>
<i>Calcium</i>	<i>500000</i>	<i>525441</i>	<i>105</i>
<i>Chromium</i>	<i>500</i>	<i>469</i>	<i>94</i>
<i>Cobalt</i>	<i>500</i>	<i>471</i>	<i>94</i>
<i>Magnesium</i>	<i>500000</i>	<i>494045</i>	<i>99</i>
<i>Manganese</i>	<i>500</i>	<i>490</i>	<i>98</i>
<i>Molybdenum</i>	<i>1000</i>	<i>962</i>	<i>96</i>
<i>Nickel</i>	<i>1000</i>	<i>929</i>	<i>93</i>
<i>Potassium</i>	<i>10000</i>	<i>10753</i>	<i>108</i>
<i>Selenium</i>	<i>1000</i>	<i>963</i>	<i>96</i>
<i>Silver</i>	<i>1000</i>	<i>1022</i>	<i>102</i>
<i>Sodium</i>	<i>10000</i>	<i>10419</i>	<i>104</i>
<i>Thallium</i>	<i>1000</i>	<i>956</i>	<i>96</i>
<i>Tin</i>	<i>1000</i>	<i>965</i>	<i>97</i>
<i>Vanadium</i>	<i>500</i>	<i>476</i>	<i>95</i>
<i>Zinc</i>	<i>1000</i>	<i>1002</i>	<i>100</i>

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

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1
 SDG No.: _____
 Lab Sample ID: ICSA 240-87566/8 Instrument ID: I9
 Lab File ID: I9052813A.asc ICS Source: MTTRICSAW_00017
 Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Antimony		-2.49	
Arsenic		-3.15	
Copper		-1.58	
Iron	200000	187450	94
Lead		3.32	
<i>Aluminum</i>	<i>500000</i>	<i>500430</i>	<i>100</i>
<i>Barium</i>		<i>0.0792</i>	
<i>Beryllium</i>		<i>-0.381</i>	
<i>Boron</i>		<i>2.23</i>	
<i>Cadmium</i>		<i>0.325</i>	
<i>Calcium</i>	<i>500000</i>	<i>471030</i>	<i>94</i>
<i>Chromium</i>		<i>2.83</i>	
<i>Cobalt</i>		<i>-1.64</i>	
<i>Lithium</i>		<i>-21.3</i>	
<i>Magnesium</i>	<i>500000</i>	<i>493430</i>	<i>99</i>
<i>Manganese</i>		<i>2.74</i>	
<i>Molybdenum</i>		<i>-1.79</i>	
<i>Nickel</i>		<i>0.375</i>	
<i>Potassium</i>		<i>47.2</i>	
<i>Selenium</i>		<i>0.940</i>	
<i>Silicon</i>		<i>-14.2</i>	
<i>Silver</i>		<i>-0.203</i>	
<i>Sodium</i>		<i>37.5</i>	
<i>Strontium</i>		<i>8.20</i>	
<i>Thallium</i>		<i>-2.54</i>	
<i>Tin</i>		<i>4.83</i>	
<i>Titanium</i>		<i>0.117</i>	
<i>Vanadium</i>		<i>-2.98</i>	
<i>Zinc</i>		<i>9.67</i>	

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

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1
 SDG No.: _____
 Lab Sample ID: ICSAB 240-87566/9 Instrument ID: I9
 Lab File ID: I9052813A.asc ICS Source: MT6500ICSAB2W_00006
 Concentration Units: ug/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Antimony	1000	980	98
Arsenic	1000	978	98
Copper	500	512	102
Iron	200000	189850	95
Lead	1000	887	89
<i>Aluminum</i>	<i>500000</i>	<i>507750</i>	<i>102</i>
<i>Barium</i>	<i>500</i>	<i>480</i>	<i>96</i>
<i>Beryllium</i>	<i>500</i>	<i>484</i>	<i>97</i>
<i>Boron</i>	<i>500</i>	<i>498</i>	<i>100</i>
<i>Cadmium</i>	<i>1000</i>	<i>986</i>	<i>99</i>
<i>Calcium</i>	<i>500000</i>	<i>478510</i>	<i>96</i>
<i>Chromium</i>	<i>500</i>	<i>469</i>	<i>94</i>
<i>Cobalt</i>	<i>500</i>	<i>471</i>	<i>94</i>
<i>Lithium</i>	<i>500</i>	<i>495</i>	<i>99</i>
<i>Magnesium</i>	<i>500000</i>	<i>497520</i>	<i>100</i>
<i>Manganese</i>	<i>500</i>	<i>482</i>	<i>96</i>
<i>Molybdenum</i>	<i>1000</i>	<i>940</i>	<i>94</i>
<i>Nickel</i>	<i>1000</i>	<i>939</i>	<i>94</i>
<i>Potassium</i>	<i>10000</i>	<i>10207</i>	<i>102</i>
<i>Selenium</i>	<i>1000</i>	<i>964</i>	<i>96</i>
<i>Silicon</i>	<i>10000</i>	<i>9974</i>	<i>100</i>
<i>Silver</i>	<i>1000</i>	<i>1068</i>	<i>107</i>
<i>Sodium</i>	<i>10000</i>	<i>10407</i>	<i>104</i>
<i>Strontium</i>	<i>1500</i>	<i>1439</i>	<i>96</i>
<i>Thallium</i>	<i>1000</i>	<i>929</i>	<i>93</i>
<i>Tin</i>	<i>500</i>	<i>494</i>	<i>99</i>
<i>Titanium</i>	<i>500</i>	<i>505</i>	<i>101</i>
<i>Vanadium</i>	<i>500</i>	<i>478</i>	<i>96</i>
<i>Zinc</i>	<i>1000</i>	<i>966</i>	<i>97</i>

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

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1
 SDG No.: _____
 Lab Sample ID: ICSA 240-87761/8 Instrument ID: I9
 Lab File ID: I9052913A.asc ICS Source: MTTRICSAW_00017
 Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Copper		-3.20	
Aluminum	500000	508090	102
Antimony		-1.59	
Arsenic		-1.66	
Barium		0.329	
Beryllium		-0.425	
Boron		1.70	
Cadmium		0.384	
Calcium	500000	486710	97
Chromium		2.70	
Cobalt		-1.97	
Iron	200000	189180	95
Lead		-0.262	
Lithium		-22.1	
Magnesium	500000	494800	99
Manganese		2.68	
Molybdenum		-2.21	
Nickel		0.595	
Potassium		-22.1	
Selenium		2.04	
Silicon		1.15	
Silver		-0.215	
Sodium		37.8	
Strontium		6.24	
Thallium		-1.62	
Tin		3.94	
Titanium		-0.372	
Vanadium		-1.82	
Zinc		10.2	

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

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1
 SDG No.: _____
 Lab Sample ID: ICSAB 240-87761/9 Instrument ID: I9
 Lab File ID: I9052913A.asc ICS Source: MT6500ICSAB2W_00006
 Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Copper	500	513	103
<i>Aluminum</i>	<i>500000</i>	<i>507090</i>	<i>101</i>
<i>Antimony</i>	<i>1000</i>	<i>1000</i>	<i>100</i>
<i>Arsenic</i>	<i>1000</i>	<i>991</i>	<i>99</i>
<i>Barium</i>	<i>500</i>	<i>489</i>	<i>98</i>
<i>Beryllium</i>	<i>500</i>	<i>495</i>	<i>99</i>
<i>Boron</i>	<i>500</i>	<i>506</i>	<i>101</i>
<i>Cadmium</i>	<i>1000</i>	<i>1002</i>	<i>100</i>
<i>Calcium</i>	<i>500000</i>	<i>487020</i>	<i>97</i>
<i>Chromium</i>	<i>500</i>	<i>470</i>	<i>94</i>
<i>Cobalt</i>	<i>500</i>	<i>488</i>	<i>98</i>
<i>Iron</i>	<i>200000</i>	<i>187990</i>	<i>94</i>
<i>Lead</i>	<i>1000</i>	<i>894</i>	<i>89</i>
<i>Lithium</i>	<i>500</i>	<i>500</i>	<i>100</i>
<i>Magnesium</i>	<i>500000</i>	<i>494370</i>	<i>99</i>
<i>Manganese</i>	<i>500</i>	<i>485</i>	<i>97</i>
<i>Molybdenum</i>	<i>1000</i>	<i>953</i>	<i>95</i>
<i>Nickel</i>	<i>1000</i>	<i>973</i>	<i>97</i>
<i>Potassium</i>	<i>10000</i>	<i>10175</i>	<i>102</i>
<i>Selenium</i>	<i>1000</i>	<i>983</i>	<i>98</i>
<i>Silicon</i>	<i>10000</i>	<i>9937</i>	<i>99</i>
<i>Silver</i>	<i>1000</i>	<i>1068</i>	<i>107</i>
<i>Sodium</i>	<i>10000</i>	<i>10440</i>	<i>104</i>
<i>Strontium</i>	<i>1500</i>	<i>1445</i>	<i>96</i>
<i>Thallium</i>	<i>1000</i>	<i>963</i>	<i>96</i>
<i>Tin</i>	<i>500</i>	<i>511</i>	<i>102</i>
<i>Titanium</i>	<i>500</i>	<i>511</i>	<i>102</i>
<i>Vanadium</i>	<i>500</i>	<i>478</i>	<i>96</i>
<i>Zinc</i>	<i>1000</i>	<i>991</i>	<i>99</i>

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

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1
 SDG No.: _____
 Lab Sample ID: ICSA 240-88126/8 Instrument ID: I9
 Lab File ID: I9053113A.asc ICS Source: MTTRICSAW_00017
 Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Antimony		-4.06	
Arsenic		-4.35	
Copper		-0.943	
Iron	200000	187090	94
Lead		-0.603	
<i>Aluminum</i>	<i>500000</i>	<i>507930</i>	<i>102</i>
<i>Barium</i>		<i>0.504</i>	
<i>Beryllium</i>		<i>-0.336</i>	
<i>Boron</i>		<i>-2.78</i>	
<i>Cadmium</i>		<i>0.228</i>	
<i>Calcium</i>	<i>500000</i>	<i>468280</i>	<i>94</i>
<i>Chromium</i>		<i>3.08</i>	
<i>Cobalt</i>		<i>-2.00</i>	
<i>Lithium</i>		<i>-18.7</i>	
<i>Magnesium</i>	<i>500000</i>	<i>492160</i>	<i>98</i>
<i>Manganese</i>		<i>2.82</i>	
<i>Molybdenum</i>		<i>-2.22</i>	
<i>Nickel</i>		<i>1.10</i>	
<i>Potassium</i>		<i>51.6</i>	
<i>Selenium</i>		<i>0.908</i>	
<i>Silicon</i>		<i>-10.3</i>	
<i>Silver</i>		<i>-0.128</i>	
<i>Sodium</i>		<i>148</i>	
<i>Strontium</i>		<i>7.65</i>	
<i>Thallium</i>		<i>-1.56</i>	
<i>Tin</i>		<i>4.28</i>	
<i>Titanium</i>		<i>-0.316</i>	
<i>Vanadium</i>		<i>-1.03</i>	
<i>Zinc</i>		<i>10.2</i>	

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

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1
 SDG No.: _____
 Lab Sample ID: ICSAB 240-88126/9 Instrument ID: I9
 Lab File ID: I9053113A.asc ICS Source: MT6500ICSAB2W_00006
 Concentration Units: ug/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Antimony	1000	991	99
Arsenic	1000	981	98
Copper	500	520	104
Iron	200000	187230	94
Lead	1000	899	90
<i>Aluminum</i>	<i>500000</i>	<i>510400</i>	<i>102</i>
<i>Barium</i>	<i>500</i>	<i>492</i>	<i>98</i>
<i>Beryllium</i>	<i>500</i>	<i>491</i>	<i>98</i>
<i>Boron</i>	<i>500</i>	<i>501</i>	<i>100</i>
<i>Cadmium</i>	<i>1000</i>	<i>1002</i>	<i>100</i>
<i>Calcium</i>	<i>500000</i>	<i>467960</i>	<i>94</i>
<i>Chromium</i>	<i>500</i>	<i>474</i>	<i>95</i>
<i>Cobalt</i>	<i>500</i>	<i>485</i>	<i>97</i>
<i>Lithium</i>	<i>500</i>	<i>521</i>	<i>104</i>
<i>Magnesium</i>	<i>500000</i>	<i>492990</i>	<i>99</i>
<i>Manganese</i>	<i>500</i>	<i>483</i>	<i>97</i>
<i>Molybdenum</i>	<i>1000</i>	<i>953</i>	<i>95</i>
<i>Nickel</i>	<i>1000</i>	<i>964</i>	<i>96</i>
<i>Potassium</i>	<i>10000</i>	<i>10437</i>	<i>104</i>
<i>Selenium</i>	<i>1000</i>	<i>979</i>	<i>98</i>
<i>Silicon</i>	<i>10000</i>	<i>9776</i>	<i>98</i>
<i>Silver</i>	<i>1000</i>	<i>1079</i>	<i>108</i>
<i>Sodium</i>	<i>10000</i>	<i>10605</i>	<i>106</i>
<i>Strontium</i>	<i>1500</i>	<i>1463</i>	<i>98</i>
<i>Thallium</i>	<i>1000</i>	<i>962</i>	<i>96</i>
<i>Tin</i>	<i>500</i>	<i>512</i>	<i>102</i>
<i>Titanium</i>	<i>500</i>	<i>508</i>	<i>102</i>
<i>Vanadium</i>	<i>500</i>	<i>490</i>	<i>98</i>
<i>Zinc</i>	<i>1000</i>	<i>983</i>	<i>98</i>

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

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1
 SDG No.: _____
 Lab Sample ID: ICSA 240-88345/8 Instrument ID: I9
 Lab File ID: I9060313A.asc ICS Source: MTTRICSAW_00017
 Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Antimony		-0.376	
Arsenic		0.682	
Copper		-2.49	
Iron	200000	191530	96
Lead		4.12	
<i>Aluminum</i>	<i>500000</i>	<i>511800</i>	<i>102</i>
<i>Barium</i>		<i>0.294</i>	
<i>Beryllium</i>		<i>-0.615</i>	
<i>Boron</i>		<i>-0.520</i>	
<i>Cadmium</i>		<i>0.229</i>	
<i>Calcium</i>	<i>500000</i>	<i>476890</i>	<i>95</i>
<i>Chromium</i>		<i>2.49</i>	
<i>Cobalt</i>		<i>-1.12</i>	
<i>Lithium</i>		<i>-33.0</i>	
<i>Magnesium</i>	<i>500000</i>	<i>508260</i>	<i>102</i>
<i>Manganese</i>		<i>2.01</i>	
<i>Molybdenum</i>		<i>-0.116</i>	
<i>Nickel</i>		<i>-0.483</i>	
<i>Potassium</i>		<i>24.7</i>	
<i>Selenium</i>		<i>-14.3</i>	
<i>Silicon</i>		<i>-2.49</i>	
<i>Silver</i>		<i>-0.185</i>	
<i>Sodium</i>		<i>67.1</i>	
<i>Strontium</i>		<i>5.39</i>	
<i>Thallium</i>		<i>3.48</i>	
<i>Tin</i>		<i>4.05</i>	
<i>Titanium</i>		<i>-0.698</i>	
<i>Vanadium</i>		<i>0.220</i>	
<i>Zinc</i>		<i>8.36</i>	

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

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1
 SDG No.: _____
 Lab Sample ID: ICSAB 240-88345/9 Instrument ID: I9
 Lab File ID: I9060313A.asc ICS Source: MT6500ICSAB2W_00006
 Concentration Units: ug/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Antimony	1000	991	99
Arsenic	1000	1000	100
Copper	500	519	104
Iron	200000	189560	95
Lead	1000	869	87
<i>Aluminum</i>	<i>500000</i>	<i>509320</i>	<i>102</i>
<i>Barium</i>	<i>500</i>	<i>485</i>	<i>97</i>
<i>Beryllium</i>	<i>500</i>	<i>485</i>	<i>97</i>
<i>Boron</i>	<i>500</i>	<i>499</i>	<i>100</i>
<i>Cadmium</i>	<i>1000</i>	<i>1002</i>	<i>100</i>
<i>Calcium</i>	<i>500000</i>	<i>472180</i>	<i>94</i>
<i>Chromium</i>	<i>500</i>	<i>472</i>	<i>94</i>
<i>Cobalt</i>	<i>500</i>	<i>484</i>	<i>97</i>
<i>Lithium</i>	<i>500</i>	<i>497</i>	<i>99</i>
<i>Magnesium</i>	<i>500000</i>	<i>503910</i>	<i>101</i>
<i>Manganese</i>	<i>500</i>	<i>494</i>	<i>99</i>
<i>Molybdenum</i>	<i>1000</i>	<i>938</i>	<i>94</i>
<i>Nickel</i>	<i>1000</i>	<i>965</i>	<i>96</i>
<i>Potassium</i>	<i>10000</i>	<i>10382</i>	<i>104</i>
<i>Selenium</i>	<i>1000</i>	<i>974</i>	<i>97</i>
<i>Silicon</i>	<i>10000</i>	<i>9981</i>	<i>100</i>
<i>Silver</i>	<i>1000</i>	<i>1082</i>	<i>108</i>
<i>Sodium</i>	<i>10000</i>	<i>10471</i>	<i>105</i>
<i>Strontium</i>	<i>1500</i>	<i>1425</i>	<i>95</i>
<i>Thallium</i>	<i>1000</i>	<i>942</i>	<i>94</i>
<i>Tin</i>	<i>500</i>	<i>504</i>	<i>101</i>
<i>Titanium</i>	<i>500</i>	<i>508</i>	<i>102</i>
<i>Vanadium</i>	<i>500</i>	<i>483</i>	<i>97</i>
<i>Zinc</i>	<i>1000</i>	<i>990</i>	<i>99</i>

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

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: LLI01-24SW-0005-SSXX MS Lab ID: 240-24831-17 MS
 Lab Name: TestAmerica Canton Job No.: 240-24831-1
 SDG No.: _____
 Matrix: Solid Concentration Units: ug/Kg
 % Solids: 83.8

Analyte	SSR		Sample Result (SR)		Spike Added (SA)	%R	Control Limit %R	Q	Method
		C		C					
Antimony	20400		1100	U	51900	39	75-125	F	6010B
Arsenic	175000		4700		208000	82	75-125		6010B
Copper	1070000		810000		25900	986	75-125	4	6010B
Iron	11300000		12000000		104000	-268	75-125	4	6010B
Lead	140000		72000		51900	131	75-125	F	6010B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Note - Results and Reporting Limits have been adjusted for dry weight.

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: LLI01-24SW-0205-SSXX MS Lab ID: 240-24831-19 MS
 Lab Name: TestAmerica Canton Job No.: 240-24831-1
 SDG No.: _____
 Matrix: Solid Concentration Units: ug/Kg
 % Solids: 80.4

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Antimony	27000	1700	58100	43	75-125	F	6010B
Arsenic	213000	6700	232000	89	75-125		6010B
Copper	1100000	2800000	29000	-5779	75-125	4	6010B
Iron	17800000	16000000	116000	1891	75-125	4	6010B
Lead	159000	77000	58100	141	75-125	F	6010B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Note - Results and Reporting Limits have been adjusted for dry weight.

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: LLI01-70NE-0205-SSXX MS Lab ID: 240-24831-41 MS
 Lab Name: TestAmerica Canton Job No.: 240-24831-1
 SDG No.: _____
 Matrix: Solid Concentration Units: ug/Kg
 % Solids: 92.0

Analyte	SSR		Sample Result (SR)		Spike Added (SA)	%R	Control Limit %R	Q	Method
		C		C					
Antimony	30200		1000	U	52800	57	75-125	F	6010B
Arsenic	186000		900	J	211000	87	75-125		6010B
Copper	31600		7100		26400	93	75-125		6010B
Iron	5340000		4500000		106000	829	75-125	4	6010B
Lead	47100		850		52800	88	75-125		6010B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Note - Results and Reporting Limits have been adjusted for dry weight.

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: LLI01-24SW-0005-SSXX MSD

Lab ID: 240-24831-17 MSD

Lab Name: TestAmerica Canton

Job No.: 240-24831-1

SDG No.: _____

Matrix: Solid

Concentration Units: ug/Kg

% Solids: 83.8

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Antimony	21700	51900	42	75-125	6	20	F	6010B
Arsenic	173000	208000	81	75-125	1	20		6010B
Copper	1140000	25900	1273	75-125	7	20	4	6010B
Iron	9580000	104000	-1900	75-125	16	20	4	6010B
Lead	118000	51900	90	75-125	17	20		6010B

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: LLI01-24SW-0205-SSXX MSD Lab ID: 240-24831-19 MSD
 Lab Name: TestAmerica Canton Job No.: 240-24831-1
 SDG No.: _____
 Matrix: Solid Concentration Units: ug/Kg
 % Solids: 80.4

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Antimony	31700	58100	52	75-125	16	20	F	6010B
Arsenic	216000	232000	90	75-125	1	20		6010B
Copper	1030000	29000	-6040	75-125	7	20	4	6010B
Iron	16100000	116000	478	75-125	10	20	4	6010B
Lead	169000	58100	159	75-125	6	20	F	6010B

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Note - Results and Reporting Limits have been adjusted for dry weight.

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: LLI01-70NE-0205-SSXX MSD Lab ID: 240-24831-41 MSD
 Lab Name: TestAmerica Canton Job No.: 240-24831-1
 SDG No.: _____
 Matrix: Solid Concentration Units: ug/Kg
 % Solids: 92.0

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Antimony	28100	52800	53	75-125	7	20	F	6010B
Arsenic	187000	211000	88	75-125	1	20		6010B
Copper	30500	26400	89	75-125	3	20		6010B
Iron	5040000	106000	545	75-125	6	20	4	6010B
Lead	47600	52800	89	75-125	1	20		6010B

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Note - Results and Reporting Limits have been adjusted for dry weight.

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 240-87262/2-A

Lab Name: TestAmerica Canton

Job No.: 240-24831-1

Sample Matrix: Solid

LCS Source: MTICP1_00022

Analyte	Solid(ug/Kg)							
	True	Found	C	%R	Limits		Q	Method
Antimony	50000	41800		84	80	120		6010B
Arsenic	200000	170000		85	80	120		6010B
Copper	25000	20800		83	80	120		6010B
Iron	100000	87200		87	80	120		6010B
Lead	50000	42000		84	80	120		6010B

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

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 240-87274/2-A

Lab Name: TestAmerica Canton

Job No.: 240-24831-1

Sample Matrix: Solid

LCS Source: MTICP1_00022

Analyte	Solid(ug/Kg)							
	True	Found	C	%R	Limits		Q	Method
Antimony	50000	44500		89	80	120		6010B
Arsenic	200000	184000		92	80	120		6010B
Copper	25000	22700		91	80	120		6010B
Iron	100000	94200		94	80	120		6010B
Lead	50000	46300		93	80	120		6010B

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

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 240-87268/2-A

Lab Name: TestAmerica Canton

Job No.: 240-24831-1

Sample Matrix: Solid

LCS Source: MTICP1_00022

Analyte	Solid(ug/Kg)							
	True	Found	C	%R	Limits		Q	Method
Antimony	50000	47000		94	80	120		6010B
Arsenic	200000	188000		94	80	120		6010B
Copper	25000	25000		100	80	120		6010B
Iron	100000	99500		99	80	120		6010B
Lead	50000	48900		98	80	120		6010B

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

FORM VIIA - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 240-24831-17

SDG No:

Lab Name: TestAmerica Canton

Job No: 240-24831-1

Matrix: Solid

Concentration Units: ug/Kg

Analyte	Initial Sample Result (I) C		Serial Dilution Result (S) C		% Difference	Q	Method
Antimony	1100	U	5400	U	NC		6010B
Arsenic	4700		4770	J	NC		6010B
Copper	810000		847000		4.6		6010B
Iron	12000000		12500000		8.1		6010B
Lead	72000		77400		8.1		6010B

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

FORM VIII-IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 240-24831-19

SDG No:

Lab Name: TestAmerica Canton

Job No: 240-24831-1

Matrix: Solid

Concentration Units: ug/Kg

Analyte	Initial Sample Result (I) C		Serial Dilution Result (S) C		% Difference	Q	Method
Antimony	1700		6100	U	NC		6010B
Arsenic	6700		7280		NC		6010B
Copper	2800000		2960000		6.4		6010B
Iron	16000000		16600000		6.5		6010B
Lead	77000		83000		8.0		6010B

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

FORM VIII-IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 240-24831-41

SDG No:

Lab Name: TestAmerica Canton

Job No: 240-24831-1

Matrix: Solid

Concentration Units: ug/Kg

Analyte	Initial Sample Result (I) C		Serial Dilution Result (S) C		% Difference	Q	Method
Antimony	1000	U	5100	U	NC		6010B
Arsenic	900	J	1550	J	NC		6010B
Copper	7100		7980	J	NC		6010B
Iron	4500000		4870000		8.9		6010B
Lead	850		1210	J	NC		6010B

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

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Canton Job Number: 240-24831-1
SDG Number: _____
Matrix: Solid Instrument ID: I6
Method: 6010B MDL Date: 02/08/2010 16:17
Prep Method: 3050B

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Antimony	206.838	1	0.39
Arsenic	189.042	1	0.3
Copper	324.753	2.5	0.74
Iron	271.441	10	4.9
Lead	220.353	0.3	0.19

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Canton Job Number: 240-24831-1
SDG Number: _____
Matrix: Solid Instrument ID: I6
Method: 6010B XMDL Date: 02/08/2010 16:17

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Antimony	206.838	10	1.8
Arsenic	189.042	10	3.2
Copper	324.753	25	4.5
Iron	271.441	100	81
Lead	220.353	3	1.9

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Canton Job Number: 240-24831-1
SDG Number: _____
Matrix: Solid Instrument ID: I9
Method: 6010B MDL Date: 02/08/2010 16:17
Prep Method: 3050B

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Antimony	206.838	1	0.39
Arsenic	189.042	1	0.3
Copper	324.753	2.5	0.74
Iron	271.441	10	4.9
Lead	220.353	0.3	0.19

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Canton Job Number: 240-24831-1
SDG Number: _____
Matrix: Solid Instrument ID: I9
Method: 6010B XMDL Date: 02/08/2010 16:17

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Antimony	206.838	10	1.8
Arsenic	189.042	10	3.2
Copper	324.753	25	4.5
Iron	271.441	100	81
Lead	220.353	3	1.9

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Canton

Job No: 240-24831-1

SDG No.: _____

Instrument ID: I6

Date: 10/16/2012 10:27

Analyte	Integ. Time (Sec.)	Concentration (ppb)	Method
Antimony		10000	6010B
Arsenic		10000	6010B
Copper		30000	6010B
Iron		600000	6010B
Lead		15000	6010B

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Canton

Job No: 240-24831-1

SDG No.: _____

Instrument ID: I9

Date: 04/04/2013 11:44

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Antimony		10000	6010B
Arsenic		5000	6010B
Copper		30000	6010B
Iron		500000	6010B
Lead		15000	6010B

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 240-87262/1-A	05/24/2013 10:22	87262	1.00		100
LCS 240-87262/2-A	05/24/2013 10:22	87262	1.00		100
240-24831-17	05/24/2013 10:22	87262	1.11		100
240-24831-17 MS	05/24/2013 10:22	87262	1.15		100
240-24831-17 MSD	05/24/2013 10:22	87262	1.15		100
240-24831-1	05/24/2013 10:22	87262	1.07		100
240-24831-2	05/24/2013 10:22	87262	1.03		100
240-24831-3	05/24/2013 10:22	87262	1.20		100
240-24831-4	05/24/2013 10:22	87262	1.26		100
240-24831-5	05/24/2013 10:22	87262	1.04		100
240-24831-6	05/24/2013 10:22	87262	1.14		100
240-24831-7	05/24/2013 10:22	87262	1.12		100
240-24831-8	05/24/2013 10:22	87262	1.10		100
240-24831-9	05/24/2013 10:22	87262	1.09		100
240-24831-10	05/24/2013 10:22	87262	1.09		100
240-24831-11	05/24/2013 10:22	87262	1.14		100
240-24831-12	05/24/2013 10:22	87262	1.14		100
240-24831-13	05/24/2013 10:22	87262	1.09		100
240-24831-14	05/24/2013 10:22	87262	1.13		100
240-24831-15	05/24/2013 10:22	87262	1.01		100
240-24831-16	05/24/2013 10:22	87262	1.15		100
240-24831-18	05/24/2013 10:22	87262	1.08		100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 240-87268/1-A	05/24/2013 10:56	87268	1.00		100
LCS 240-87268/2-A	05/24/2013 10:56	87268	1.00		100
240-24831-19	05/24/2013 10:56	87268	1.02		100
240-24831-19 MS	05/24/2013 10:56	87268	1.07		100
240-24831-19 MSD	05/24/2013 10:56	87268	1.07		100
240-24831-20	05/24/2013 10:56	87268	1.09		100
240-24831-21	05/24/2013 10:56	87268	1.11		100
240-24831-22	05/24/2013 10:56	87268	1.05		100
240-24831-23	05/24/2013 10:56	87268	1.09		100
240-24831-24	05/24/2013 10:56	87268	1.04		100
240-24831-25	05/24/2013 10:56	87268	1.18		100
240-24831-26	05/24/2013 10:56	87268	1.04		100
240-24831-27	05/24/2013 10:56	87268	1.25		100
240-24831-28	05/24/2013 10:56	87268	1.31		100
240-24831-29	05/24/2013 10:56	87268	1.27		100
240-24831-30	05/24/2013 10:56	87268	1.04		100
240-24831-31	05/24/2013 10:56	87268	1.10		100
240-24831-32	05/24/2013 10:56	87268	1.18		100
240-24831-33	05/24/2013 10:56	87268	1.09		100
240-24831-34	05/24/2013 10:56	87268	1.12		100
240-24831-35	05/24/2013 10:56	87268	1.28		100
240-24831-36	05/24/2013 10:56	87268	1.09		100
240-24831-37	05/24/2013 10:56	87268	1.19		100
240-24831-38	05/24/2013 10:56	87268	1.29		100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 240-87274/1-A	05/24/2013 11:46	87274	1.00		100
LCS 240-87274/2-A	05/24/2013 11:46	87274	1.00		100
240-24831-41	05/24/2013 11:46	87274	1.06		100
240-24831-41 MS	05/24/2013 11:46	87274	1.03		100
240-24831-41 MSD	05/24/2013 11:46	87274	1.03		100
240-24831-39	05/24/2013 11:46	87274	1.18		100
240-24831-40	05/24/2013 11:46	87274	1.19		100
240-24831-42	05/24/2013 11:46	87274	1.06		100
240-24831-43	05/24/2013 11:46	87274	1.04		100
240-24831-44	05/24/2013 11:46	87274	1.13		100
240-24831-45	05/24/2013 11:46	87274	1.31		100
240-24831-46	05/24/2013 11:46	87274	1.04		100
240-24831-47	05/24/2013 11:46	87274	1.18		100
240-24831-48	05/24/2013 11:46	87274	1.17		100
240-24831-49	05/24/2013 11:46	87274	1.06		100
240-24831-50	05/24/2013 11:46	87274	1.24		100
240-24831-51	05/24/2013 11:46	87274	1.18		100
240-24831-52	05/24/2013 11:46	87274	1.34		100

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Instrument ID: I6 Method: 6010B

Start Date: 06/04/2013 13:35 End Date: 06/05/2013 09:22

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				A s	C u	F e	P b	S b													
STD 240-88585/1 IC			13:35	X	X	X	X	X													
CALSTD 240-88585/2 IC			13:40	X	X	X	X	X													
CALSTD 240-88585/3 IC			13:46	X	X	X	X	X													
CALSTD 240-88585/4 IC			13:51	X	X	X	X	X													
ICV 240-88585/5	1		13:55	X	X	X	X	X													
ICBIS 240-88585/6	1		14:01	X	X	X	X	X													
CRI 240-88585/7	1		14:07	X	X	X	X	X													
ZZZZZZ			14:13																		
ICSA 240-88585/9	1		14:19	X	X	X	X	X													
ICSAB 240-88585/10	1		14:25	X	X	X	X	X													
CCV 240-88585/11			14:32																		
CCB 240-88585/12			14:37																		
ZZZZZZ			14:43																		
ZZZZZZ			14:49																		
ZZZZZZ			14:55																		
ZZZZZZ			15:01																		
ZZZZZZ			15:07																		
ZZZZZZ			15:13																		
ZZZZZZ			15:19																		
ZZZZZZ			15:25																		
ZZZZZZ			15:31																		
ZZZZZZ			15:37																		
CCV 240-88585/23			15:43																		
CCB 240-88585/24			15:49																		
ZZZZZZ			15:55																		
ZZZZZZ			16:00																		
ZZZZZZ			16:06																		
ZZZZZZ			16:12																		
ZZZZZZ			16:18																		
ZZZZZZ			16:24																		
ZZZZZZ			16:30																		
ZZZZZZ			16:36																		
ZZZZZZ			16:42																		
ZZZZZZ			16:48																		
CCV 240-88585/35			16:54																		
CCB 240-88585/36			17:00																		
ZZZZZZ			17:06																		
ZZZZZZ			17:12																		
ZZZZZZ			17:18																		
ZZZZZZ			17:24																		
ZZZZZZ			17:30																		
ZZZZZZ			17:36																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Instrument ID: I6 Method: 6010B

Start Date: 06/04/2013 13:35 End Date: 06/05/2013 09:22

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				A s	C u	F e	P b	S b													
ZZZZZZ			17:42																		
ZZZZZZ			17:48																		
ZZZZZZ			17:54																		
ZZZZZZ			17:59																		
CCV 240-88585/47			18:05																		
CCB 240-88585/48			18:11																		
ZZZZZZ			18:17																		
ZZZZZZ			18:23																		
ZZZZZZ			18:29																		
ZZZZZZ			18:35																		
ZZZZZZ			18:41																		
ZZZZZZ			18:47																		
ZZZZZZ			18:53																		
ZZZZZZ			18:59																		
ZZZZZZ			19:05																		
ZZZZZZ			19:11																		
CCV 240-88585/59			19:17																		
CCB 240-88585/60			19:23																		
ZZZZZZ			19:29																		
ZZZZZZ			19:35																		
ZZZZZZ			19:41																		
ZZZZZZ			19:47																		
ZZZZZZ			19:53																		
ZZZZZZ			19:59																		
ZZZZZZ			20:05																		
ZZZZZZ			20:11																		
ZZZZZZ			20:17																		
ZZZZZZ			20:23																		
CCV 240-88585/71			20:29																		
CCB 240-88585/72			20:35																		
ZZZZZZ			20:41																		
ZZZZZZ			20:47																		
ZZZZZZ			20:53																		
ZZZZZZ			20:59																		
ZZZZZZ			21:05																		
ZZZZZZ			21:10																		
ZZZZZZ			21:16																		
ZZZZZZ			21:22																		
ZZZZZZ			21:28																		
ZZZZZZ			21:34																		
CCV 240-88585/83			21:40																		
CCB 240-88585/84			21:46																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Instrument ID: I6 Method: 6010B

Start Date: 06/04/2013 13:35 End Date: 06/05/2013 09:22

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				A s	C u	F e	P b	S b													
ZZZZZZ			21:52																		
ZZZZZZ			21:58																		
ZZZZZZ			22:04																		
ZZZZZZ			22:10																		
ZZZZZZ			22:16																		
ZZZZZZ			22:22																		
ZZZZZZ			22:28																		
ZZZZZZ			22:34																		
ZZZZZZ			22:40																		
ZZZZZZ			22:46																		
CCV 240-88585/95			22:52																		
CCB 240-88585/96			22:58																		
ZZZZZZ			23:04																		
ZZZZZZ			23:10																		
ZZZZZZ			23:16																		
ZZZZZZ			23:22																		
ZZZZZZ			23:28																		
ZZZZZZ			23:34																		
ZZZZZZ			23:40																		
ZZZZZZ			23:46																		
ZZZZZZ			23:52																		
ZZZZZZ			23:58																		
CCV 240-88585/107	1		00:04	X	X	X	X	X													
CCB 240-88585/108	1		00:10	X	X	X	X	X													
ZZZZZZ			00:16																		
ZZZZZZ			00:22																		
ZZZZZZ			00:28																		
ZZZZZZ			00:34																		
ZZZZZZ			00:40																		
ZZZZZZ			00:46																		
ZZZZZZ			00:52																		
ZZZZZZ			00:58																		
ZZZZZZ			01:04																		
MB 240-87268/1-A	1	T	01:10	X	X	X	X	X													
CCV 240-88585/119	1		01:16	X	X	X	X	X													
CCB 240-88585/120	1		01:22	X	X	X	X	X													
LCS 240-87268/2-A	1	T	01:28	X	X	X	X	X													
240-24831-19	1	T	01:34	X	X	X	X	X													
240-24831-19 SD	5	T	01:40	X	X	X	X	X													
240-24831-19 MS	1	T	01:46	X	X	X	X	X													
240-24831-19 MSD	1	T	01:52	X	X	X	X	X													
240-24831-20	1	T	01:58	X	X	X	X	X													

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Instrument ID: I6 Method: 6010B

Start Date: 06/04/2013 13:35 End Date: 06/05/2013 09:22

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				A s	C u	F e	P b	S b													
240-24831-21	1	T	02:04	X	X	X	X	X													
240-24831-22	1	T	02:10	X	X	X	X	X													
240-24831-23	1	T	02:15	X		X		X													
240-24831-24	1	T	02:21	X		X	X	X													
CCV 240-88585/131	1		02:27	X	X	X	X	X													
CCB 240-88585/132	1		02:33	X	X	X	X	X													
240-24831-25	1	T	02:39	X	X	X	X	X													
240-24831-26	1	T	02:45	X	X	X	X	X													
240-24831-27	1	T	02:51	X	X																
240-24831-28	1	T	02:57	X	X	X	X	X													
240-24831-29	1	T	03:03	X	X	X	X	X													
240-24831-30	1	T	03:09	X	X	X	X	X													
240-24831-31	1	T	03:15	X	X	X	X	X													
240-24831-32	1	T	03:21	X	X	X	X	X													
240-24831-33	1	T	03:27	X	X	X	X	X													
240-24831-34	1	T	03:33	X		X	X	X													
CCV 240-88585/143	1		03:39	X	X	X	X	X													
CCB 240-88585/144	1		03:45	X	X	X	X	X													
240-24831-35	1	T	03:51	X		X	X	X													
240-24831-36	1	T	03:57	X		X	X	X													
240-24831-37	1	T	04:03	X	X	X	X	X													
240-24831-38	1	T	04:09	X		X	X	X													
ZZZZZZ			04:15																		
ZZZZZZ			04:21																		
ZZZZZZ			04:27																		
ZZZZZZ			04:33																		
ZZZZZZ			04:39																		
ZZZZZZ			04:45																		
CCV 240-88585/155	1		04:51	X	X	X	X	X													
CCB 240-88585/156	1		04:57	X	X	X	X	X													
ZZZZZZ			05:03																		
ZZZZZZ			05:09																		
ZZZZZZ			05:15																		
ZZZZZZ			05:21																		
ZZZZZZ			05:27																		
ZZZZZZ			05:33																		
ZZZZZZ			05:39																		
ZZZZZZ			05:45																		
ZZZZZZ			05:51																		
ZZZZZZ			05:57																		
CCV 240-88585/167			06:03																		
CCB 240-88585/168			06:08																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Instrument ID: I6 Method: 6010B

Start Date: 06/04/2013 13:35 End Date: 06/05/2013 09:22

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				A s	C u	F e	P b	S b													
ZZZZZZ			06:14																		
ZZZZZZ			06:20																		
ZZZZZZ			06:26																		
ZZZZZZ			06:32																		
ZZZZZZ			06:38																		
ZZZZZZ			06:44																		
ZZZZZZ			06:50																		
ZZZZZZ			06:56																		
ZZZZZZ			07:02																		
ZZZZZZ			07:10																		
CCV 240-88585/179			07:16																		
CCB 240-88585/180			07:22																		
ZZZZZZ			07:28																		
ZZZZZZ			07:34																		
ZZZZZZ			07:40																		
ZZZZZZ			07:46																		
ZZZZZZ			07:51																		
ZZZZZZ			07:57																		
ZZZZZZ			08:03																		
ZZZZZZ			08:09																		
ZZZZZZ			08:15																		
ZZZZZZ			08:21																		
CCV 240-88585/191			08:28																		
CCB 240-88585/192			08:34																		
ZZZZZZ			08:40																		
ZZZZZZ			08:46																		
ZZZZZZ			08:52																		
ZZZZZZ			08:58																		
ZZZZZZ			09:04																		
ZZZZZZ			09:10																		
CCV 240-88585/199			09:16																		
CCB 240-88585/200			09:22																		

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Instrument ID: I6 Method: 6010B

Start Date: 06/05/2013 11:17 End Date: 06/06/2013 09:05

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				C u	F e	P b	S b														
STD 240-88759/1 IC			11:17	X	X	X	X														
CALSTD 240-88759/2 IC			11:23	X	X	X	X														
CALSTD 240-88759/3 IC			11:29	X	X	X	X														
CALSTD 240-88759/4 IC			11:34	X	X	X	X														
ICV 240-88759/5	1		11:38	X	X	X	X														
ICBIS 240-88759/6	1		11:44	X	X	X	X														
CRI 240-88759/7	1		11:50	X	X	X	X														
CRI 240-88759/8			11:56																		
ZZZZZZ			12:02																		
ICSA 240-88759/10	1		12:13	X	X	X	X														
ICSAB 240-88759/11	1		12:19	X	X	X	X														
ZZZZZZ			12:25																		
CCV 240-88759/13			12:31																		
CCB 240-88759/14			12:37																		
ZZZZZZ			12:43																		
ZZZZZZ			12:49																		
ZZZZZZ			12:55																		
ZZZZZZ			13:01																		
ZZZZZZ			13:07																		
ZZZZZZ			13:13																		
ZZZZZZ			13:19																		
ZZZZZZ			13:25																		
ZZZZZZ			13:31																		
ZZZZZZ			13:37																		
CCV 240-88759/25			13:43																		
CCB 240-88759/26			13:49																		
ZZZZZZ			13:55																		
ZZZZZZ			14:02																		
ZZZZZZ			14:08																		
ZZZZZZ			14:13																		
ZZZZZZ			14:19																		
ZZZZZZ			14:26																		
ZZZZZZ			14:32																		
ZZZZZZ			14:38																		
ZZZZZZ			14:44																		
ZZZZZZ			14:50																		
CCV 240-88759/37			14:56																		
CCB 240-88759/38			15:02																		
ZZZZZZ			15:08																		
ZZZZZZ			15:14																		
ZZZZZZ			15:20																		
ZZZZZZ			15:25																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Instrument ID: I6 Method: 6010B

Start Date: 06/05/2013 11:17 End Date: 06/06/2013 09:05

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				C u	F e	P b	S b														
ZZZZZZ			15:31																		
ZZZZZZ			15:37																		
ZZZZZZ			15:43																		
ZZZZZZ			15:49																		
ZZZZZZ			15:55																		
ZZZZZZ			16:01																		
CCV 240-88759/49			16:07																		
CCB 240-88759/50			16:13																		
ZZZZZZ			16:19																		
ZZZZZZ			16:25																		
ZZZZZZ			16:31																		
ZZZZZZ			16:37																		
ZZZZZZ			16:43																		
ZZZZZZ			16:49																		
ZZZZZZ			16:55																		
ZZZZZZ			17:01																		
ZZZZZZ			17:07																		
ZZZZZZ			17:13																		
CCV 240-88759/61			17:20																		
CCB 240-88759/62			17:26																		
ZZZZZZ			17:32																		
ZZZZZZ			17:38																		
ZZZZZZ			17:44																		
ZZZZZZ			17:50																		
ZZZZZZ			17:56																		
ZZZZZZ			18:02																		
ZZZZZZ			18:08																		
ZZZZZZ			18:14																		
ZZZZZZ			18:20																		
ZZZZZZ			18:26																		
CCV 240-88759/73			18:32																		
CCB 240-88759/74			18:38																		
ZZZZZZ			18:44																		
ZZZZZZ			18:50																		
ZZZZZZ			18:57																		
ZZZZZZ			19:03																		
ZZZZZZ			19:09																		
ZZZZZZ			19:15																		
ZZZZZZ			19:21																		
ZZZZZZ			19:27																		
ZZZZZZ			19:33																		
ZZZZZZ			19:39																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Instrument ID: I6 Method: 6010B

Start Date: 06/05/2013 11:17 End Date: 06/06/2013 09:05

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				C u	F e	P b	S b														
CCV 240-88759/85	1		19:45	X	X	X	X														
CCB 240-88759/86	1		19:51	X	X	X	X														
ZZZZZZ			19:57																		
ZZZZZZ			20:03																		
ZZZZZZ			20:09																		
ZZZZZZ			20:15																		
ZZZZZZ			20:21																		
ZZZZZZ			20:27																		
ZZZZZZ			20:33																		
ZZZZZZ			20:40																		
ZZZZZZ			20:46																		
240-24831-23	5	T	20:52	X		X															
CCV 240-88759/97	1		20:58	X	X	X	X														
CCB 240-88759/98	1		21:04	X	X	X	X														
240-24831-24	5	T	21:10	X																	
240-24831-27	2	T	21:16		X	X	X														
240-24831-34	5	T	21:22	X																	
240-24831-35	5	T	21:28	X																	
240-24831-36	5	T	21:34	X																	
240-24831-38	5	T	21:40	X																	
ZZZZZZ			21:46																		
ZZZZZZ			21:52																		
ZZZZZZ			21:58																		
ZZZZZZ			22:04																		
CCV 240-88759/109	1		22:11	X	X	X	X														
CCB 240-88759/110	1		22:17	X	X	X	X														
ZZZZZZ			22:23																		
ZZZZZZ			22:29																		
ZZZZZZ			22:35																		
ZZZZZZ			22:41																		
ZZZZZZ			22:47																		
ZZZZZZ			22:53																		
ZZZZZZ			22:59																		
ZZZZZZ			23:05																		
ZZZZZZ			23:11																		
ZZZZZZ			23:17																		
CCV 240-88759/121			23:23																		
CCB 240-88759/122			23:29																		
ZZZZZZ			23:36																		
ZZZZZZ			23:42																		
ZZZZZZ			23:48																		
ZZZZZZ			23:54																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Instrument ID: I6 Method: 6010B

Start Date: 06/05/2013 11:17 End Date: 06/06/2013 09:05

Lab Sample ID	D / F	T y p e	Time	Analytes															
				C u	F e	P b	S b												
ZZZZZZ			00:00																
ZZZZZZ			00:06																
ZZZZZZ			00:12																
ZZZZZZ			00:18																
ZZZZZZ			00:24																
ZZZZZZ			00:30																
CCV 240-88759/133			00:36																
CCB 240-88759/134			00:42																
ZZZZZZ			00:48																
ZZZZZZ			00:55																
ZZZZZZ			01:01																
ZZZZZZ			01:07																
ZZZZZZ			01:13																
ZZZZZZ			01:19																
ZZZZZZ			01:25																
ZZZZZZ			01:31																
ZZZZZZ			01:37																
ZZZZZZ			01:43																
CCV 240-88759/145			01:49																
CCB 240-88759/146			01:55																
ZZZZZZ			02:01																
ZZZZZZ			02:07																
ZZZZZZ			02:13																
ZZZZZZ			02:20																
ZZZZZZ			02:26																
ZZZZZZ			02:32																
ZZZZZZ			02:38																
ZZZZZZ			02:44																
ZZZZZZ			02:50																
ZZZZZZ			02:56																
CCV 240-88759/157			03:02																
CCB 240-88759/158			03:08																
ZZZZZZ			03:14																
ZZZZZZ			03:20																
ZZZZZZ			03:26																
ZZZZZZ			03:32																
ZZZZZZ			03:38																
ZZZZZZ			03:45																
ZZZZZZ			03:51																
ZZZZZZ			03:57																
ZZZZZZ			04:03																
ZZZZZZ			04:09																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Instrument ID: I6 Method: 6010B

Start Date: 06/05/2013 11:17 End Date: 06/06/2013 09:05

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				C u	F e	P b	S b														
CCV 240-88759/169			04:15																		
CCB 240-88759/170			04:21																		
ZZZZZZ			04:29																		
ZZZZZZ			04:35																		
ZZZZZZ			04:41																		
ZZZZZZ			04:48																		
ZZZZZZ			04:54																		
ZZZZZZ			05:00																		
ZZZZZZ			05:06																		
ZZZZZZ			05:12																		
ZZZZZZ			05:18																		
ZZZZZZ			05:24																		
CCV 240-88759/181			05:30																		
CCB 240-88759/182			05:36																		
ZZZZZZ			05:42																		
ZZZZZZ			05:48																		
ZZZZZZ			05:54																		
ZZZZZZ			06:00																		
ZZZZZZ			06:06																		
ZZZZZZ			06:12																		
ZZZZZZ			06:18																		
ZZZZZZ			06:24																		
ZZZZZZ			06:30																		
ZZZZZZ			06:36																		
CCV 240-88759/193			06:41																		
CCB 240-88759/194			06:47																		
ZZZZZZ			06:53																		
ZZZZZZ			06:59																		
ZZZZZZ			07:05																		
ZZZZZZ			07:11																		
ZZZZZZ			07:17																		
ZZZZZZ			07:23																		
ZZZZZZ			07:29																		
ZZZZZZ			07:35																		
ZZZZZZ			07:41																		
ZZZZZZ			07:47																		
CCV 240-88759/205			07:53																		
CCB 240-88759/206			07:59																		
ZZZZZZ			08:05																		
ZZZZZZ			08:11																		
ZZZZZZ			08:17																		
ZZZZZZ			08:23																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Instrument ID: I6 Method: 6010B

Start Date: 06/05/2013 11:17 End Date: 06/06/2013 09:05

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				C u	F e	P b	S b														
ZZZZZZ			08:29																		
ZZZZZZ			08:35																		
ZZZZZZ			08:41																		
ZZZZZZ			08:47																		
ZZZZZZ			08:53																		
CCV 240-88759/216			08:59																		
CCB 240-88759/217			09:05																		

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Instrument ID: I9 Method: 6010B

Start Date: 05/28/2013 15:32 End Date: 05/29/2013 02:45

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				A s	C u	F e	P b	S b													
ICIS 240-87566/1	1		15:32	X	X	X	X	X													
CALSTD 240-87566/2 IC			15:36	X	X	X	X	X													
CALSTD 240-87566/3 IC			15:40	X	X	X	X	X													
ICV 240-87566/4	1		15:44	X	X	X	X	X													
ICB 240-87566/5	1		15:48	X	X	X	X	X													
CRI 240-87566/6	1		15:52	X	X	X	X	X													
ZZZZZZ			15:55																		
ICSA 240-87566/8	1		15:59	X	X	X	X	X													
ICSAB 240-87566/9	1		16:03	X	X	X	X	X													
CCV 240-87566/10			16:07																		
CCB 240-87566/11			16:11																		
ZZZZZZ			16:15																		
ZZZZZZ			16:19																		
ZZZZZZ			16:23																		
ZZZZZZ			16:27																		
ZZZZZZ			16:31																		
ZZZZZZ			16:35																		
CCV 240-87566/18			16:39																		
CCB 240-87566/19			16:42																		
CCV 240-87566/20			17:43																		
CCB 240-87566/21			17:46																		
ZZZZZZ			17:50																		
ZZZZZZ			17:57																		
ZZZZZZ			18:01																		
ZZZZZZ			18:05																		
ZZZZZZ			18:08																		
ZZZZZZ			18:12																		
ZZZZZZ			18:16																		
ZZZZZZ			18:20																		
CCV 240-87566/30			18:24																		
CCB 240-87566/31			18:28																		
ZZZZZZ			18:31																		
ZZZZZZ			18:35																		
ZZZZZZ			18:39																		
ZZZZZZ			18:43																		
ZZZZZZ			18:47																		
ZZZZZZ			18:50																		
ZZZZZZ			18:54																		
ZZZZZZ			18:58																		
ZZZZZZ			19:02																		
ZZZZZZ			19:05																		
CCV 240-87566/42			19:09																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Instrument ID: I9 Method: 6010B

Start Date: 05/28/2013 15:32 End Date: 05/29/2013 02:45

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				A s	C u	F e	P b	S b													
CCB 240-87566/43			19:13																		
ZZZZZZ			19:17																		
ZZZZZZ			19:21																		
ZZZZZZ			19:25																		
ZZZZZZ			19:29																		
ZZZZZZ			19:33																		
ZZZZZZ			19:37																		
ZZZZZZ			19:41																		
ZZZZZZ			19:45																		
ZZZZZZ			19:49																		
ZZZZZZ			19:53																		
CCV 240-87566/54			19:57																		
CCB 240-87566/55			20:01																		
ZZZZZZ			20:04																		
ZZZZZZ			20:08																		
ZZZZZZ			20:12																		
ZZZZZZ			20:16																		
ZZZZZZ			20:20																		
CRI 240-87566/61			20:24																		
ZZZZZZ			20:28																		
ZZZZZZ			20:32																		
CRI 240-87566/64			20:36																		
ZZZZZZ			20:40																		
CCV 240-87566/66	1		20:44	X	X	X	X	X													
CCB 240-87566/67	1		20:48	X	X	X	X	X													
MB 240-87262/1-A	1	T	20:52	X	X	X	X	X													
LCS 240-87262/2-A	1	T	20:56	X	X	X	X	X													
240-24831-17	1	T	20:59	X	X	X	X	X													
240-24831-17 SD	5	T	21:04	X	X	X	X	X													
240-24831-17 MS	1	T	21:07	X	X	X	X	X													
240-24831-17 MSD	1	T	21:12	X	X	X	X	X													
240-24831-1	1	T	21:16	X	X	X	X	X													
240-24831-2	1	T	21:20	X		X		X													
240-24831-3	1	T	21:23	X	X	X	X	X													
240-24831-4	1	T	21:27	X	X	X	X	X													
CCV 240-87566/78	1		21:31	X	X	X	X	X													
CCB 240-87566/79	1		21:35	X	X	X	X	X													
240-24831-5	1	T	21:39	X	X	X	X	X													
240-24831-6	1	T	21:43	X	X	X	X	X													
240-24831-7	1	T	21:47	X	X	X	X	X													
240-24831-8	1	T	21:51	X	X	X	X	X													
240-24831-9	1	T	21:55	X	X	X	X	X													

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Instrument ID: I9 Method: 6010B

Start Date: 05/28/2013 15:32 End Date: 05/29/2013 02:45

Lab Sample ID	D / F	T y p e	Time	Analytes																			
				A s	C u	F e	P b	S b															
240-24831-10	1	T	21:59	X	X	X	X	X															
240-24831-11	1	T	22:04	X	X	X	X	X															
240-24831-12	1	T	22:07	X	X	X	X	X															
240-24831-13	1	T	22:11	X	X	X	X	X															
240-24831-14	1	T	22:15	X	X	X	X	X															
CCV 240-87566/90	1		22:19	X	X	X	X	X															
CCB 240-87566/91	1		22:23	X	X	X	X	X															
240-24831-16	1	T	22:27	X	X	X	X	X															
240-24831-15	1	T	22:31	X	X	X	X	X															
240-24831-18	1	T	22:35	X	X	X	X	X															
ZZZZZZ			22:39																				
ZZZZZZ			22:43																				
ZZZZZZ			22:47																				
ZZZZZZ			22:51																				
ZZZZZZ			22:54																				
ZZZZZZ			22:58																				
ZZZZZZ			23:02																				
CCV 240-87566/102	1		23:06	X	X	X	X	X															
CCB 240-87566/103	1		23:10	X	X	X	X	X															
ZZZZZZ			23:14																				
ZZZZZZ			23:18																				
ZZZZZZ			23:22																				
ZZZZZZ			23:26																				
ZZZZZZ			23:30																				
ZZZZZZ			23:34																				
ZZZZZZ			23:38																				
ZZZZZZ			23:42																				
ZZZZZZ			23:46																				
ZZZZZZ			23:50																				
CCV 240-87566/114			23:54																				
CCB 240-87566/115			23:57																				
ZZZZZZ			00:01																				
ZZZZZZ			00:05																				
ZZZZZZ			00:09																				
ZZZZZZ			00:13																				
ZZZZZZ			00:17																				
ZZZZZZ			00:21																				
ZZZZZZ			00:25																				
ZZZZZZ			00:29																				
ZZZZZZ			00:33																				
ZZZZZZ			00:37																				
CCV 240-87566/126			00:41																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Instrument ID: I9 Method: 6010B

Start Date: 05/28/2013 15:32 End Date: 05/29/2013 02:45

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				A s	C u	F e	P b	S b													
CCB 240-87566/127			00:45																		
ZZZZZZ			00:49																		
ZZZZZZ			00:53																		
ZZZZZZ			00:56																		
ZZZZZZ			01:00																		
ZZZZZZ			01:04																		
ZZZZZZ			01:08																		
ZZZZZZ			01:12																		
ZZZZZZ			01:16																		
ZZZZZZ			01:20																		
ZZZZZZ			01:24																		
CCV 240-87566/138			01:28																		
CCB 240-87566/139			01:31																		
ZZZZZZ			01:35																		
ZZZZZZ			01:39																		
ZZZZZZ			01:43																		
ZZZZZZ			01:47																		
ZZZZZZ			01:51																		
ZZZZZZ			01:54																		
ZZZZZZ			01:58																		
ZZZZZZ			02:02																		
ZZZZZZ			02:06																		
ZZZZZZ			02:10																		
CCV 240-87566/150			02:14																		
CCB 240-87566/151			02:18																		
ZZZZZZ			02:22																		
ZZZZZZ			02:25																		
ZZZZZZ			02:29																		
ZZZZZZ			02:33																		
ZZZZZZ			02:37																		
CCV 240-87566/157			02:41																		
CCB 240-87566/158			02:45																		

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Instrument ID: I9 Method: 6010B

Start Date: 05/29/2013 10:00 End Date: 05/30/2013 05:33

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				C u																	
ICIS 240-87761/1	1		10:00	X																	
CALSTD 240-87761/2 IC			10:04	X																	
CALSTD 240-87761/3 IC			10:08	X																	
ICV 240-87761/4	1		10:12	X																	
ICB 240-87761/5	1		10:16	X																	
CRI 240-87761/6	1		10:20	X																	
ZZZZZZ			10:23																		
ICSA 240-87761/8	1		10:27	X																	
ICSAB 240-87761/9	1		10:31	X																	
CCV 240-87761/10			10:35																		
CCB 240-87761/11			10:39																		
ZZZZZZ			10:43																		
ZZZZZZ			10:47																		
ZZZZZZ			10:51																		
ZZZZZZ			10:55																		
ZZZZZZ			10:59																		
ZZZZZZ			11:03																		
CCV 240-87761/18			11:07																		
CCB 240-87761/19			11:10																		
ZZZZZZ			11:14																		
ZZZZZZ			11:18																		
ZZZZZZ			11:22																		
ZZZZZZ			11:26																		
ZZZZZZ			11:30																		
ZZZZZZ			11:34																		
ZZZZZZ			11:38																		
ZZZZZZ			11:42																		
ZZZZZZ			11:46																		
ZZZZZZ			11:50																		
CCV 240-87761/30			11:53																		
CCB 240-87761/31			11:57																		
ZZZZZZ			12:01																		
ZZZZZZ			12:05																		
ZZZZZZ			12:09																		
ZZZZZZ			12:13																		
ZZZZZZ			12:17																		
ZZZZZZ			12:21																		
ZZZZZZ			12:25																		
ZZZZZZ			12:30																		
ZZZZZZ			12:34																		
ZZZZZZ			12:38																		
CCV 240-87761/42			12:42																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Instrument ID: I9 Method: 6010B

Start Date: 05/29/2013 10:00 End Date: 05/30/2013 05:33

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				C u																	
CCB 240-87761/43			12:46																		
ZZZZZZ			12:50																		
ZZZZZZ			12:54																		
ZZZZZZ			12:58																		
ZZZZZZ			13:02																		
ZZZZZZ			13:06																		
ZZZZZZ			13:11																		
ZZZZZZ			13:15																		
ZZZZZZ			13:19																		
CRI 240-87761/52			13:23																		
ZZZZZZ			13:27																		
CCV 240-87761/54	1		13:31	X																	
CCB 240-87761/55	1		13:34	X																	
ZZZZZZ			13:38																		
ZZZZZZ			13:42																		
ZZZZZZ			13:46																		
ZZZZZZ			13:50																		
ZZZZZZ			13:54																		
ZZZZZZ			13:58																		
ZZZZZZ			14:02																		
ZZZZZZ			14:06																		
ZZZZZZ			14:10																		
ZZZZZZ			14:14																		
CCV 240-87761/66	1		14:18	X																	
CCB 240-87761/67	1		14:22	X																	
ZZZZZZ			14:26																		
ZZZZZZ			14:30																		
ZZZZZZ			14:34																		
ZZZZZZ			14:38																		
ZZZZZZ			14:42																		
ZZZZZZ			14:46																		
ZZZZZZ			14:50																		
ZZZZZZ			14:54																		
ZZZZZZ			14:58																		
ZZZZZZ			15:01																		
CCV 240-87761/78			15:06																		
CCB 240-87761/79			15:09																		
ZZZZZZ			15:13																		
ZZZZZZ			15:17																		
ZZZZZZ			15:21																		
ZZZZZZ			15:25																		
ZZZZZZ			15:29																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Instrument ID: I9 Method: 6010B

Start Date: 05/29/2013 10:00 End Date: 05/30/2013 05:33

Lab Sample ID	D / F	T y p e	Time	Analytes															
				C	u														
ZZZZZZ			15:33																
ZZZZZZ			15:37																
ZZZZZZ			15:41																
ZZZZZZ			15:45																
ZZZZZZ			15:48																
CCV 240-87761/90			15:53																
CCB 240-87761/91			15:56																
ZZZZZZ			16:00																
ZZZZZZ			16:04																
ZZZZZZ			16:08																
ZZZZZZ			16:12																
ZZZZZZ			16:16																
ZZZZZZ			16:20																
ZZZZZZ			16:24																
ZZZZZZ			16:28																
ZZZZZZ			16:32																
ZZZZZZ			16:36																
CCV 240-87761/102			16:40																
CCB 240-87761/103			16:44																
ZZZZZZ			16:48																
ZZZZZZ			16:52																
ZZZZZZ			16:56																
ZZZZZZ			17:00																
ZZZZZZ			17:04																
ZZZZZZ			17:08																
ZZZZZZ			17:12																
ZZZZZZ			17:16																
ZZZZZZ			17:20																
ZZZZZZ			17:24																
CCV 240-87761/114			17:28																
CCB 240-87761/115			17:32																
ZZZZZZ			17:36																
ZZZZZZ			17:40																
ZZZZZZ			17:44																
ZZZZZZ			17:48																
ZZZZZZ			17:51																
ZZZZZZ			17:55																
ZZZZZZ			17:59																
ZZZZZZ			18:03																
ZZZZZZ			18:07																
ZZZZZZ			18:11																
CCV 240-87761/126			18:15																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Instrument ID: I9 Method: 6010B

Start Date: 05/29/2013 10:00 End Date: 05/30/2013 05:33

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				C	u																
CCB 240-87761/127			18:19																		
ZZZZZZ			18:23																		
ZZZZZZ			18:26																		
ZZZZZZ			18:30																		
ZZZZZZ			18:34																		
ZZZZZZ			18:38																		
ZZZZZZ			18:42																		
ZZZZZZ			18:46																		
ZZZZZZ			18:50																		
ZZZZZZ			18:54																		
ZZZZZZ			18:57																		
CCV 240-87761/138			19:01																		
CCB 240-87761/139			19:05																		
ZZZZZZ			19:09																		
ZZZZZZ			19:13																		
ZZZZZZ			19:17																		
ZZZZZZ			19:21																		
ZZZZZZ			19:25																		
ZZZZZZ			19:29																		
ZZZZZZ			19:32																		
ZZZZZZ			19:36																		
ZZZZZZ			19:40																		
ZZZZZZ			19:44																		
CCV 240-87761/150			19:48																		
CCB 240-87761/151			19:52																		
ZZZZZZ			19:56																		
ZZZZZZ			20:00																		
ZZZZZZ			20:04																		
ZZZZZZ			20:08																		
ZZZZZZ			20:12																		
ZZZZZZ			20:16																		
ZZZZZZ			20:20																		
ZZZZZZ			20:24																		
ZZZZZZ			20:28																		
ZZZZZZ			20:32																		
CCV 240-87761/162			20:36																		
CCB 240-87761/163			20:39																		
ZZZZZZ			20:43																		
ZZZZZZ			20:47																		
ZZZZZZ			20:51																		
ZZZZZZ			20:55																		
ZZZZZZ			20:59																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Instrument ID: I9 Method: 6010B

Start Date: 05/29/2013 10:00 End Date: 05/30/2013 05:33

Lab Sample ID	D / F	T y p e	Time	Analytes															
				C	u														
ZZZZZZ			21:03																
ZZZZZZ			21:07																
ZZZZZZ			21:11																
ZZZZZZ			21:15																
ZZZZZZ			21:19																
CCV 240-87761/174			21:24																
CCB 240-87761/175			21:27																
ZZZZZZ			21:31																
ZZZZZZ			21:35																
ZZZZZZ			21:40																
ZZZZZZ			21:44																
ZZZZZZ			21:48																
ZZZZZZ			21:52																
ZZZZZZ			21:56																
ZZZZZZ			22:00																
ZZZZZZ			22:04																
ZZZZZZ			22:07																
CCV 240-87761/186			22:11																
CCB 240-87761/187			22:15																
ZZZZZZ			22:19																
ZZZZZZ			22:23																
ZZZZZZ			22:27																
ZZZZZZ			22:31																
ZZZZZZ			22:35																
ZZZZZZ			22:39																
ZZZZZZ			22:43																
ZZZZZZ			22:47																
ZZZZZZ			22:51																
ZZZZZZ			22:55																
CCV 240-87761/198			22:58																
CCB 240-87761/199			23:02																
ZZZZZZ			23:06																
ZZZZZZ			23:10																
ZZZZZZ			23:14																
ZZZZZZ			23:18																
ZZZZZZ			23:21																
ZZZZZZ			23:25																
ZZZZZZ			23:29																
ZZZZZZ			23:33																
ZZZZZZ			23:37																
ZZZZZZ			23:41																
CCV 240-87761/210			23:45																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Instrument ID: I9 Method: 6010B

Start Date: 05/29/2013 10:00 End Date: 05/30/2013 05:33

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				C	u																
CCB 240-87761/211			23:49																		
ZZZZZZ			23:53																		
ZZZZZZ			23:57																		
ZZZZZZ			00:00																		
ZZZZZZ			00:05																		
ZZZZZZ			00:09																		
ZZZZZZ			00:13																		
ZZZZZZ			00:17																		
ZZZZZZ			00:20																		
ZZZZZZ			00:24																		
ZZZZZZ			00:28																		
CCV 240-87761/222			00:33																		
CCB 240-87761/223			00:36																		
ZZZZZZ			00:40																		
ZZZZZZ			00:44																		
ZZZZZZ			00:48																		
ZZZZZZ			00:52																		
ZZZZZZ			00:56																		
ZZZZZZ			01:00																		
ZZZZZZ			01:03																		
ZZZZZZ			01:07																		
ZZZZZZ			01:11																		
ZZZZZZ			01:15																		
CCV 240-87761/234			01:19																		
CCB 240-87761/235			01:23																		
ZZZZZZ			01:27																		
ZZZZZZ			01:30																		
ZZZZZZ			01:35																		
ZZZZZZ			01:39																		
ZZZZZZ			01:43																		
ZZZZZZ			01:47																		
ZZZZZZ			01:51																		
ZZZZZZ			01:55																		
ZZZZZZ			01:59																		
ZZZZZZ			02:03																		
CCV 240-87761/246	1		02:07	X																	
CCB 240-87761/247	1		02:11	X																	
ZZZZZZ			02:15																		
ZZZZZZ			02:19																		
ZZZZZZ			02:23																		
ZZZZZZ			02:27																		
ZZZZZZ			02:32																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Instrument ID: I9 Method: 6010B

Start Date: 05/29/2013 10:00 End Date: 05/30/2013 05:33

Lab Sample ID	D / F	T y p e	Time	Analytes															
				C u															
ZZZZZZ			02:36																
ZZZZZZ			02:40																
240-24831-2	1	T	02:44	X															
ZZZZZZ			02:48																
ZZZZZZ			02:52																
CCV 240-87761/258	1		02:56	X															
CCB 240-87761/259	1		02:59	X															
ZZZZZZ			03:03																
ZZZZZZ			03:07																
ZZZZZZ			03:11																
ZZZZZZ			03:15																
ZZZZZZ			03:19																
ZZZZZZ			03:23																
ZZZZZZ			03:27																
CRI 240-87761/267			03:31																
ZZZZZZ			03:35																
ZZZZZZ			03:39																
CCV 240-87761/270			03:42																
CCB 240-87761/271			03:46																
ZZZZZZ			03:50																
ZZZZZZ			03:54																
ZZZZZZ			03:58																
ZZZZZZ			04:03																
ZZZZZZ			04:07																
ZZZZZZ			04:11																
ZZZZZZ			04:15																
ZZZZZZ			04:19																
ZZZZZZ			04:23																
ZZZZZZ			04:28																
CCV 240-87761/282			04:32																
CCB 240-87761/283			04:36																
ZZZZZZ			04:40																
ZZZZZZ			04:44																
ZZZZZZ			04:48																
ZZZZZZ			04:52																
ZZZZZZ			04:55																
ZZZZZZ			04:59																
ZZZZZZ			05:03																
ZZZZZZ			05:07																
ZZZZZZ			05:11																
ZZZZZZ			05:14																
CCV 240-87761/294			05:18																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Instrument ID: I9 Method: 6010B

Start Date: 05/29/2013 10:00 End Date: 05/30/2013 05:33

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				C u																	
CCB 240-87761/295			05:22																		
ZZZZZZ			05:26																		
CCV 240-87761/297			05:30																		
CCB 240-87761/298			05:33																		

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Instrument ID: I9 Method: 6010B

Start Date: 05/31/2013 09:10 End Date: 06/01/2013 00:35

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				A s	C u	F e	P b	S b													
ICIS 240-88126/1	1		09:10	X	X	X	X	X													
CALSTD 240-88126/2 IC			09:14	X	X	X	X	X													
CALSTD 240-88126/3 IC			09:18	X	X	X	X	X													
ICV 240-88126/4	1		09:22	X	X	X	X	X													
ICB 240-88126/5	1		09:26	X	X	X	X	X													
CRI 240-88126/6	1		09:30	X	X	X	X	X													
ZZZZZZ			09:33																		
ICSA 240-88126/8	1		09:37	X	X	X	X	X													
ICSAB 240-88126/9	1		09:41	X	X	X	X	X													
CCV 240-88126/10			09:45																		
CCB 240-88126/11			09:49																		
ZZZZZZ			09:53																		
ZZZZZZ			09:57																		
ZZZZZZ			10:01																		
ZZZZZZ			10:05																		
ZZZZZZ			10:08																		
ZZZZZZ			10:12																		
CCV 240-88126/18			10:16																		
CCB 240-88126/19			10:20																		
ZZZZZZ			10:33																		
ZZZZZZ			10:37																		
ZZZZZZ			10:41																		
ZZZZZZ			10:45																		
ZZZZZZ			10:49																		
ZZZZZZ			10:53																		
ZZZZZZ			10:57																		
ZZZZZZ			11:01																		
ZZZZZZ			11:05																		
ZZZZZZ			11:08																		
CCV 240-88126/30			11:12																		
CCB 240-88126/31			11:16																		
CCV 240-88126/32			11:35																		
CCB 240-88126/33			11:39																		
ZZZZZZ			11:44																		
ZZZZZZ			11:48																		
ZZZZZZ			11:52																		
ZZZZZZ			11:56																		
ZZZZZZ			11:59																		
ZZZZZZ			12:03																		
ZZZZZZ			12:07																		
ZZZZZZ			12:11																		
CCV 240-88126/42			12:15																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Instrument ID: I9 Method: 6010B

Start Date: 05/31/2013 09:10 End Date: 06/01/2013 00:35

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				A s	C u	F e	P b	S b													
CCB 240-88126/43			12:19																		
ZZZZZZ			12:25																		
ZZZZZZ			12:28																		
ZZZZZZ			12:32																		
ZZZZZZ			12:36																		
ZZZZZZ			12:40																		
ZZZZZZ			12:44																		
ZZZZZZ			12:48																		
ZZZZZZ			12:52																		
ZZZZZZ			12:56																		
ZZZZZZ			13:00																		
CCV 240-88126/54			13:04																		
CCB 240-88126/55			13:08																		
ZZZZZZ			13:12																		
ZZZZZZ			13:16																		
ZZZZZZ			13:20																		
ZZZZZZ			13:24																		
ZZZZZZ			13:28																		
ZZZZZZ			13:32																		
ZZZZZZ			13:36																		
ZZZZZZ			13:40																		
ZZZZZZ			13:44																		
ZZZZZZ			13:48																		
CCV 240-88126/66	1		13:52	X	X	X	X	X													
CCB 240-88126/67	1		13:56	X	X	X	X	X													
ZZZZZZ			14:00																		
ZZZZZZ			14:04																		
ZZZZZZ			14:08																		
ZZZZZZ			14:12																		
240-24831-2	1	T	14:16				X														
ZZZZZZ			14:19																		
ZZZZZZ			14:23																		
ZZZZZZ			14:27																		
ZZZZZZ			14:31																		
ZZZZZZ			14:35																		
CCV 240-88126/78	1		14:39	X	X	X	X	X													
CCB 240-88126/79	1		14:43	X	X	X	X	X													
ZZZZZZ			14:48																		
ZZZZZZ			14:52																		
ZZZZZZ			14:56																		
ZZZZZZ			15:00																		
ZZZZZZ			15:04																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Instrument ID: I9 Method: 6010B

Start Date: 05/31/2013 09:10 End Date: 06/01/2013 00:35

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				A s	C u	F e	P b	S b													
ZZZZZZ			15:08																		
ZZZZZZ			15:12																		
ZZZZZZ			15:16																		
ZZZZZZ			15:20																		
ZZZZZZ			15:24																		
CCV 240-88126/90			15:28																		
CCB 240-88126/91			15:32																		
ZZZZZZ			15:36																		
ZZZZZZ			15:40																		
ZZZZZZ			15:44																		
ZZZZZZ			15:48																		
ZZZZZZ			15:51																		
ZZZZZZ			15:55																		
ZZZZZZ			15:59																		
ZZZZZZ			16:03																		
ZZZZZZ			16:07																		
ZZZZZZ			16:11																		
CCV 240-88126/102			16:15																		
CCB 240-88126/103			16:19																		
ZZZZZZ			16:23																		
ZZZZZZ			16:27																		
ZZZZZZ			16:30																		
ZZZZZZ			16:34																		
ZZZZZZ			16:38																		
ZZZZZZ			16:43																		
ZZZZZZ			16:47																		
ZZZZZZ			16:51																		
ZZZZZZ			16:54																		
ZZZZZZ			16:58																		
CCV 240-88126/114			17:02																		
CCB 240-88126/115			17:06																		
ZZZZZZ			17:10																		
ZZZZZZ			17:14																		
ZZZZZZ			17:18																		
ZZZZZZ			17:22																		
ZZZZZZ			17:26																		
ZZZZZZ			17:30																		
ZZZZZZ			17:34																		
ZZZZZZ			17:38																		
ZZZZZZ			17:42																		
ZZZZZZ			17:46																		
CCV 240-88126/126			17:50																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Instrument ID: I9 Method: 6010B

Start Date: 05/31/2013 09:10 End Date: 06/01/2013 00:35

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				A s	C u	F e	P b	S b													
CCB 240-88126/127			17:53																		
ZZZZZZ			17:57																		
ZZZZZZ			18:01																		
ZZZZZZ			18:05																		
ZZZZZZ			18:09																		
ZZZZZZ			18:13																		
ZZZZZZ			18:17																		
ZZZZZZ			18:21																		
ZZZZZZ			18:25																		
ZZZZZZ			18:29																		
ZZZZZZ			18:33																		
CCV 240-88126/138			18:37																		
CCB 240-88126/139			18:40																		
ZZZZZZ			18:44																		
ZZZZZZ			18:48																		
ZZZZZZ			18:52																		
ZZZZZZ			18:56																		
ZZZZZZ			19:00																		
ZZZZZZ			19:04																		
ZZZZZZ			19:08																		
ZZZZZZ			19:12																		
ZZZZZZ			19:16																		
ZZZZZZ			19:19																		
CCV 240-88126/150			19:23																		
CCB 240-88126/151			19:27																		
ZZZZZZ			19:31																		
ZZZZZZ			19:35																		
ZZZZZZ			19:39																		
ZZZZZZ			19:43																		
ZZZZZZ			19:47																		
ZZZZZZ			19:51																		
ZZZZZZ			19:55																		
ZZZZZZ			19:59																		
ZZZZZZ			20:03																		
ZZZZZZ			20:07																		
CCV 240-88126/162			20:11																		
CCB 240-88126/163			20:15																		
ZZZZZZ			20:19																		
ZZZZZZ			20:23																		
ZZZZZZ			20:27																		
ZZZZZZ			20:31																		
ZZZZZZ			20:35																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Instrument ID: I9 Method: 6010B

Start Date: 05/31/2013 09:10 End Date: 06/01/2013 00:35

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				A s	C u	F e	P b	S b													
ZZZZZZ			20:39																		
ZZZZZZ			20:43																		
ZZZZZZ			20:47																		
ZZZZZZ			20:51																		
ZZZZZZ			20:54																		
CCV 240-88126/174			20:58																		
CCB 240-88126/175			21:02																		
ZZZZZZ			21:06																		
ZZZZZZ			21:10																		
ZZZZZZ			21:14																		
ZZZZZZ			21:18																		
ZZZZZZ			21:22																		
ZZZZZZ			21:26																		
ZZZZZZ			21:30																		
ZZZZZZ			21:34																		
ZZZZZZ			21:38																		
ZZZZZZ			21:42																		
CCV 240-88126/186	1		21:46	X	X	X	X	X													
CCB 240-88126/187	1		21:49	X	X	X	X	X													
ZZZZZZ			21:53																		
ZZZZZZ			21:57																		
ZZZZZZ			22:01																		
ZZZZZZ			22:05																		
MB 240-87274/1-A	1	T	22:09	X	X	X	X	X													
LCS 240-87274/2-A	1	T	22:12	X	X	X	X	X													
240-24831-41	1	T	22:16	X	X	X	X	X													
240-24831-41 SD	5	T	22:20	X	X	X	X	X													
240-24831-41 MS	1	T	22:24	X	X	X	X	X													
240-24831-41 MSD	1	T	22:27	X	X	X	X	X													
CCV 240-88126/198	1		22:31	X	X	X	X	X													
CCB 240-88126/199	1		22:35	X	X	X	X	X													
240-24831-39	1	T	22:39	X		X		X													
240-24831-39	5	T	22:43		X		X														
240-24831-40	1	T	22:47	X	X	X	X	X													
240-24831-42	1	T	22:51	X	X	X	X	X													
240-24831-43	1	T	22:55	X	X	X	X	X													
ZZZZZZ			22:59																		
240-24831-45	1	T	23:03	X	X	X	X	X													
240-24831-46	1	T	23:07	X	X	X	X	X													
240-24831-47	1	T	23:11	X	X	X	X	X													
240-24831-48	1	T	23:15	X	X	X	X	X													
CCV 240-88126/210	1		23:19	X	X	X	X	X													

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Instrument ID: I9 Method: 6010B

Start Date: 05/31/2013 09:10 End Date: 06/01/2013 00:35

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				A s	C u	F e	P b	S b													
CCB 240-88126/211	1		23:23	X	X	X	X	X													
240-24831-49	1	T	23:27	X		X		X													
240-24831-49	5	T	23:31		X		X														
240-24831-50	1	T	23:35	X																	
240-24831-50	10	T	23:39		X	X	X	X													
240-24831-51	1	T	23:43	X	X	X	X	X													
240-24831-52	1	T	23:47	X	X	X	X	X													
ZZZZZZ			23:52																		
ZZZZZZ			23:56																		
ZZZZZZ			00:00																		
ZZZZZZ			00:04																		
CCV 240-88126/222	1		00:07	X	X	X	X	X													
CCB 240-88126/223	1		00:11	X	X	X	X	X													
ZZZZZZ			00:15																		
ZZZZZZ			00:19																		
ZZZZZZ			00:24																		
ZZZZZZ			00:28																		
CCV 240-88126/228			00:32																		
CCB 240-88126/229			00:35																		

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Instrument ID: I9 Method: 6010B

Start Date: 06/03/2013 14:56 End Date: 06/04/2013 06:00

Lab Sample ID	D / F	T y p e	Time	Analytes																			
				A s	C u	F e	P b	S b															
ICIS 240-88345/1	1		14:56	X	X	X	X	X															
CALSTD 240-88345/2 IC			15:00	X	X	X	X	X															
CALSTD 240-88345/3 IC			15:04	X	X	X	X	X															
ICV 240-88345/4	1		15:08	X	X	X	X	X															
ICB 240-88345/5	1		15:11	X	X	X	X	X															
CRI 240-88345/6	1		15:15	X	X	X	X	X															
ZZZZZZ			15:19																				
ICSA 240-88345/8	1		15:23	X	X	X	X	X															
ICSAB 240-88345/9	1		15:27	X	X	X	X	X															
CCV 240-88345/10			15:31																				
CCB 240-88345/11			15:35																				
ZZZZZZ			15:39																				
ZZZZZZ			15:43																				
ZZZZZZ			15:47																				
ZZZZZZ			15:51																				
ZZZZZZ			15:55																				
ZZZZZZ			15:59																				
CCV 240-88345/18	1		16:03	X	X	X	X	X															
CCB 240-88345/19	1		16:07	X	X	X	X	X															
ZZZZZZ			16:18																				
ZZZZZZ			16:22																				
ZZZZZZ			16:26																				
240-24831-44	1	T	16:30	X	X	X	X	X															
ZZZZZZ			16:34																				
ZZZZZZ			16:38																				
ZZZZZZ			16:42																				
ZZZZZZ			16:45																				
ZZZZZZ			16:49																				
ZZZZZZ			16:53																				
CCV 240-88345/30	1		16:57	X	X	X	X	X															
CCB 240-88345/31	1		17:01	X	X	X	X	X															
ZZZZZZ			17:05																				
ZZZZZZ			17:08																				
ZZZZZZ			17:12																				
ZZZZZZ			17:16																				
ZZZZZZ			17:20																				
ZZZZZZ			17:24																				
ZZZZZZ			17:28																				
ZZZZZZ			17:32																				
ZZZZZZ			17:36																				
ZZZZZZ			17:40																				
CCV 240-88345/42			17:44																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Instrument ID: I9 Method: 6010B

Start Date: 06/03/2013 14:56 End Date: 06/04/2013 06:00

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				A s	C u	F e	P b	S b													
CCB 240-88345/43			17:48																		
ZZZZZZ			17:52																		
ZZZZZZ			17:55																		
ZZZZZZ			17:59																		
ZZZZZZ			18:03																		
ZZZZZZ			18:07																		
ZZZZZZ			18:11																		
ZZZZZZ			18:15																		
ZZZZZZ			18:19																		
ZZZZZZ			18:23																		
ZZZZZZ			18:27																		
CCV 240-88345/54			18:31																		
CCB 240-88345/55			18:35																		
ZZZZZZ			18:39																		
ZZZZZZ			18:43																		
ZZZZZZ			18:47																		
ZZZZZZ			18:50																		
ZZZZZZ			18:54																		
ZZZZZZ			18:58																		
ZZZZZZ			19:02																		
ZZZZZZ			19:06																		
ZZZZZZ			19:10																		
ZZZZZZ			19:14																		
CCV 240-88345/66			19:18																		
CCB 240-88345/67			19:22																		
ZZZZZZ			19:26																		
ZZZZZZ			19:30																		
ZZZZZZ			19:34																		
ZZZZZZ			19:37																		
ZZZZZZ			19:41																		
ZZZZZZ			19:45																		
ZZZZZZ			19:49																		
ZZZZZZ			19:54																		
ZZZZZZ			19:58																		
ZZZZZZ			20:02																		
CCV 240-88345/78			20:06																		
CCB 240-88345/79			20:09																		
ZZZZZZ			20:13																		
ZZZZZZ			20:18																		
ZZZZZZ			20:22																		
ZZZZZZ			20:26																		
ZZZZZZ			20:30																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Instrument ID: I9 Method: 6010B

Start Date: 06/03/2013 14:56 End Date: 06/04/2013 06:00

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				A s	C u	F e	P b	S b													
ZZZZZZ			20:34																		
ZZZZZZ			20:38																		
ZZZZZZ			20:42																		
ZZZZZZ			20:45																		
ZZZZZZ			20:49																		
CCV 240-88345/90			20:53																		
CCB 240-88345/91			20:57																		
ZZZZZZ			21:01																		
ZZZZZZ			21:05																		
ZZZZZZ			21:09																		
ZZZZZZ			21:13																		
ZZZZZZ			21:17																		
ZZZZZZ			21:21																		
ZZZZZZ			21:25																		
ZZZZZZ			21:29																		
ZZZZZZ			21:34																		
ZZZZZZ			21:37																		
CCV 240-88345/102			21:42																		
CCB 240-88345/103			21:45																		
ZZZZZZ			21:50																		
ZZZZZZ			21:54																		
ZZZZZZ			21:58																		
ZZZZZZ			22:02																		
ZZZZZZ			22:06																		
ZZZZZZ			22:10																		
ZZZZZZ			22:14																		
ZZZZZZ			22:18																		
ZZZZZZ			22:22																		
ZZZZZZ			22:26																		
CCV 240-88345/114			22:30																		
CCB 240-88345/115			22:34																		
ZZZZZZ			22:38																		
ZZZZZZ			22:42																		
ZZZZZZ			22:46																		
ZZZZZZ			22:50																		
ZZZZZZ			22:54																		
ZZZZZZ			22:58																		
ZZZZZZ			23:02																		
ZZZZZZ			23:05																		
ZZZZZZ			23:09																		
ZZZZZZ			23:13																		
CCV 240-88345/126			23:17																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Instrument ID: I9 Method: 6010B

Start Date: 06/03/2013 14:56 End Date: 06/04/2013 06:00

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				A s	C u	F e	P b	S b													
CCB 240-88345/127			23:21																		
ZZZZZZ			23:25																		
ZZZZZZ			23:28																		
ZZZZZZ			23:32																		
ZZZZZZ			23:36																		
ZZZZZZ			23:40																		
ZZZZZZ			23:44																		
ZZZZZZ			23:48																		
ZZZZZZ			23:52																		
ZZZZZZ			23:56																		
ZZZZZZ			00:00																		
CCV 240-88345/138			00:04																		
CCB 240-88345/139			00:08																		
ZZZZZZ			00:12																		
ZZZZZZ			00:16																		
ZZZZZZ			00:20																		
ZZZZZZ			00:24																		
ZZZZZZ			00:28																		
ZZZZZZ			00:32																		
ZZZZZZ			00:36																		
ZZZZZZ			00:40																		
ZZZZZZ			00:44																		
ZZZZZZ			00:48																		
CCV 240-88345/150			00:52																		
CCB 240-88345/151			00:56																		
ZZZZZZ			01:00																		
ZZZZZZ			01:04																		
ZZZZZZ			01:08																		
ZZZZZZ			01:12																		
ZZZZZZ			01:15																		
ZZZZZZ			01:19																		
ZZZZZZ			01:23																		
ZZZZZZ			01:27																		
ZZZZZZ			01:31																		
ZZZZZZ			01:35																		
CCV 240-88345/162			01:39																		
CCB 240-88345/163			01:42																		
ZZZZZZ			01:46																		
ZZZZZZ			01:50																		
ZZZZZZ			01:54																		
ZZZZZZ			01:58																		
ZZZZZZ			02:02																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Instrument ID: I9 Method: 6010B

Start Date: 06/03/2013 14:56 End Date: 06/04/2013 06:00

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				A s	C u	F e	P b	S b													
ZZZZZZ			02:06																		
ZZZZZZ			02:10																		
ZZZZZZ			02:14																		
ZZZZZZ			02:18																		
ZZZZZZ			02:23																		
CCV 240-88345/174			02:27																		
CCB 240-88345/175			02:31																		
ZZZZZZ			02:35																		
ZZZZZZ			02:39																		
ZZZZZZ			02:43																		
ZZZZZZ			02:47																		
ZZZZZZ			02:51																		
ZZZZZZ			02:55																		
ZZZZZZ			02:58																		
ZZZZZZ			03:02																		
ZZZZZZ			03:06																		
ZZZZZZ			03:10																		
CCV 240-88345/186			03:14																		
CCB 240-88345/187			03:17																		
ZZZZZZ			03:21																		
ZZZZZZ			03:25																		
ZZZZZZ			03:29																		
ZZZZZZ			03:33																		
ZZZZZZ			03:37																		
ZZZZZZ			03:41																		
ZZZZZZ			03:45																		
ZZZZZZ			03:49																		
ZZZZZZ			03:53																		
ZZZZZZ			03:57																		
CCV 240-88345/198			04:01																		
CCB 240-88345/199			04:05																		
ZZZZZZ			04:09																		
ZZZZZZ			04:13																		
ZZZZZZ			04:17																		
ZZZZZZ			04:21																		
ZZZZZZ			04:25																		
ZZZZZZ			04:29																		
ZZZZZZ			04:33																		
ZZZZZZ			04:37																		
ZZZZZZ			04:41																		
ZZZZZZ			04:45																		
CCV 240-88345/210			04:49																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Instrument ID: I9 Method: 6010B

Start Date: 06/03/2013 14:56 End Date: 06/04/2013 06:00

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				A s	C u	F e	P b	S b													
CCB 240-88345/211			04:53																		
ZZZZZZ			04:57																		
ZZZZZZ			05:00																		
ZZZZZZ			05:04																		
ZZZZZZ			05:08																		
ZZZZZZ			05:12																		
ZZZZZZ			05:16																		
ZZZZZZ			05:20																		
ZZZZZZ			05:24																		
ZZZZZZ			05:28																		
ZZZZZZ			05:32																		
CCV 240-88345/222			05:36																		
CCB 240-88345/223			05:40																		
ZZZZZZ			05:44																		
ICSA 240-88345/225			05:48																		
ICSAB 240-88345/226			05:52																		
CCV 240-88345/227			05:56																		
CCB 240-88345/228			06:00																		

Prep Types

T = Total/NA

Method: TOTAL Sample Name: S0 Operator:
 Run Time: 06/04/13 13:35 Filename: I60604B
 Mode: IR Type: X Corr. Factor: 1.00000
 Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	count	count	count	count	count	count
Avge	.00202	.01139	-.00887	.04491	.00005	.00901
SDev	.00162	.00001	.00249	.0033	.00007	.00009
%RSD	80.4049	.13435	28.0876	7.36578	141.421	1.06187

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	count	count	count	count	count	count
Avge	.03032	-.02431	-.00038	.00338	.01131	-.00158
SDev	.00013	.00226	.00007	.00139	.0001	.00023
%RSD	.45959	9.33014	20.0024	41.2452	.88797	14.8323

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	count	count	count	count	count	count
Avge	.05503	.00114	.00043	.00109	.00852	-.00005
SDev	.00729	.00084	.00015	.00046	.0014	.00131
%RSD	13.2638	73.9291	35.1633	42.6127	16.5199	2464.63

Elms	Sn	Tl	V	Zn	2203/1	2203/2
Units	count	count	count	count	count	count
Avge	.02683	-.02862	.00038	.00224	.10686	-.02106
SDev	.00121	.00643	.00038	.00007	.04001	.025
%RSD	4.52499	22.471	100.915	3.24462	37.4447	118.708

Elms	2068/2	2068/1	1960/1	1960/2	*Y
Units	count	count	count	count	
Avge	0	-.01657	-.02426	.01294	9150.25
SDev	.00015	.01726	.00113	.00484	18.7383
%RSD	97663.8	104.176	4.6638	37.4026	.20478

Method: TOTAL Sample Name: CALSTD Operator:
 Run Time: 06/04/13 13:40 Filename: I60604B
 Mode: IR Type: X Corr. Factor: 1.00000
 Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	As	B	Ba	Be	Cd
Units	count	count	count	count	count	count
Avge	7.56534	5.31694	61.882	8.75832	47.8839	104.589
SDev	.00063	.00694	.20171	.00674	.05395	.12874
%RSD	.00836	.13054	.32596	.07697	.11268	.12309

Elms	Co	Cr	Cu	Mn	Mo	Ni
Units	count	count	count	count	count	count
Avge	3.42453	14.6335	3.05724	15.2852	4.71335	8.07415
SDev	.00267	.00869	.00209	.01125	.0782	.00759
%RSD	.07817	.05944	.06844	.07361	1.65922	.09401

Elms	Sn	Tl	V	Zn	2203/1	2203/2
Units	count	count	count	count	count	count
Avge	106.47	8.06313	4.55788	11.6994	27.5246	10.4371
SDev	.16197	.04268	.00331	.01031	.09729	.00676
%RSD	.15213	.5294	.07265	.08816	.35348	.06477

Elms	2068/2	2068/1	1960/1	1960/2	*Y
Units	count	count	count	count	
Avge	.65096	4.76278	2.22982	1.69446	8987.5
SDev	.00201	.00049	.00461	.00124	4.94974
%RSD	.30888	.01047	.20679	.07364	.05507

Method: TOTAL Sample Name: CAL 2 Operator:
Run Time: 06/04/13 13:46 Filename: I60604B
Mode: IR Type: X Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elms	Al	Fe	*Y
Units	count	count	
Avge	6.94959	12.7766	8943
SDev	.07415	.14121	79.196
%RSD	1.06703	1.10525	.88556

Method: TOTAL Sample Name: S100 Operator:
Run Time: 06/04/13 13:51 Filename: I60604B
Mode: IR Type: X Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elms	Ca	K	Mg	Na3302	*Y
Units	count	count	count	count	
Avge	45.8307	105.29	45.4286	3.13267	9042.75
SDev	.097	.17193	.09076	.00417	10.253
%RSD	.21165	.16329	.19979	.13335	.11338

Method: TOTAL Sample Name: ICV Operator:
 Run Time: 06/04/13 13:55 Filename: I60604B
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	759.5	12120.	370.9	1500.	1535.	1556.
SDev	1.581	4.973	.3759	.6835	1.706	1.711
%RSD	.2081	.041	.1014	.0456	.1112	.1099

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	24880.	373.5	1528.	1520.	1520.	12400.
SDev	33.83	.461	2.654	2.893	1.091	2.391
%RSD	.136	.1234	.1736	.1904	.0718	.0193

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	25110.	24490.	1537.	1494.	24620.	1544.
SDev	50.2	24.12	1.503	14.15	159.9	3.478
%RSD	.1999	.0985	.0978	.9473	.6493	.2253

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	376.6	368.4	363.2	1505.	738.4	1506.
SDev	1.004	1.892	.7942	1.562	.2186	1.971
%RSD	.2667	.5137	.2186	.1037	.0296	.1309

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1553.	374.5	377.7	367.9	360.9	373.5
SDev	2.479	2.217	2.613	2.614	2.496	6.815
%RSD	.1596	.5919	.6918	.7106	.6915	1.825

Elms	1960/2	*Y
Units	PPB	
Avge	365.9	9141
SDev	.5652	1.41421
%RSD	.1545	.01547

Method: TOTAL Sample Name: ICBIS Operator:
 Run Time: 06/04/13 14:01 Filename: I60604B
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0450	1.695	-.0697	10.37	.0249	.0073
SDev	.0405	.2947	.057	2.452	.0704	.0189
%RSD	90.06	17.38	81.69	23.65	283.2	259.9

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2.867	.0882	.0646	-.3296	.5331	-4.695
SDev	1.907	.0622	.0003	.0415	.2972	1.519
%RSD	66.51	70.49	.5318	12.59	55.75	32.36

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	40.86	103.6	-.0145	5.967	-707.8	.2965
SDev	5.647	1.713	.0202	2.294	79.58	.382
%RSD	13.82	1.653	139.6	38.44	11.24	128.8

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1083	-3.393	.0468	-.3340	-1.254	-.3689
SDev	.3011	.354	.2258	.0228	6.73	.0624
%RSD	278.1	10.43	482.4	6.832	536.9	16.9

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.6154	.5298	-.4272	1.894	-.8755	-1.691
SDev	.0011	.5642	.1697	1.449	.385	3.178
%RSD	.1711	106.5	39.72	76.5	43.97	187.9

Elms	1960/2	*Y
Units	PPB	
Avge	-4.242	9172.75
SDev	1.056	4.59619
%RSD	24.89	.0501

Method: TOTAL Sample Name: CRI Operator:
 Run Time: 06/04/13 14:07 Filename: I60604B
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4.874	201.7	15.00	202.9	10.04	5.130
SDev	.886	2.107	1.165	1.427	.0159	.0029
%RSD	18.18	1.045	7.766	.7032	.1585	.0561

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5021.	5.367	5.289	4.995	16.38	300.8
SDev	2.741	.0016	.0076	.3259	.2516	6.477
%RSD	.0546	.0294	.1439	6.525	1.536	2.153

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4730.	5065.	15.77	11.81	5115.	26.19
SDev	10.01	1.506	.0049	.7404	73.24	.2707
%RSD	.2115	.0297	.0314	6.272	1.432	1.034

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	11.43	19.41	9.181	101.0	15.99	6.899
SDev	.8364	1.849	.7595	.6204	2.101	.1895
%RSD	7.317	9.526	8.273	.614	13.14	2.746

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	43.85	10.57	11.86	10.52	8.511	22.22
SDev	.0962	2.507	.0022	.9762	.6514	.2236
%RSD	.2194	23.71	.0183	9.275	7.653	1.006

Elms	1960/2	*Y
Units	PPB	
Avge	18.00	9166.25
SDev	2.66	14.4957
%RSD	14.78	.15814

Method: TOTAL Sample Name: CRILL Operator:
 Run Time: 06/04/13 14:13 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5.126	196.7	9.976	200.0	202.3	5.079
SDev	.1998	1.212	.0708	1.082	.7676	.0573
%RSD	3.897	.6164	.7097	.5407	.3794	1.128

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5046.	2.115	7.125	4.973	26.08	96.77
SDev	22.91	.041	.3309	.059	.3794	10.07
%RSD	.4541	1.939	4.644	1.186	1.455	10.4

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4703.	5035.	15.63	10.59	5046.	41.49
SDev	11.2	21.63	.1083	.2774	68.75	.4319
%RSD	.2381	.4296	.6927	2.619	1.362	1.041

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4.040	3.422	9.556	99.35	8.292	6.942
SDev	.8158	3.261	1.784	.8885	.9886	.5704
%RSD	20.19	95.28	18.67	.8943	11.92	8.217

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	21.66	3.305	4.406	10.42	9.125	3.766
SDev	.0461	3.282	.4155	1.512	3.43	1.134
%RSD	.2129	99.3	9.431	14.51	37.58	30.1

Elms	1960/2	*Y
Units	PPB	
Avge	3.250	9176
SDev	4.322	39.598
%RSD	133	.43153

Method: TOTAL Sample Name: ICSA Operator:
 Run Time: 06/04/13 14:19 Filename: I60604B
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2494	475200.	2.383	2.336	1.649	.1317
SDev	.5447	494.2	1.051	.9793	.1137	.0005
%RSD	218.4	.104	44.09	41.93	6.894	.3818
Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	517900.	-.8692	.2442	-.9106	4.175	190700.
SDev	151.6	.1411	.096	.2027	.7674	48.68
%RSD	.0293	16.23	39.33	22.26	18.38	.0255
Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	37.63	492100.	3.708	1.344	-679.3	-.0024
SDev	9.141	256.7	.0238	.837	57.84	.0408
%RSD	24.29	.0522	.6429	62.28	8.515	1674
Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1107	-6.522	-.2607	6.582	-1.372	-.4517
SDev	.8553	2.607	.4956	1.642	1.864	.0712
%RSD	772.8	39.97	190.1	24.94	135.9	15.77
Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4.666	-6.981	3.319	4.531	-2.653	8.440
SDev	.0484	1.056	.7554	2.301	1.892	2.411
%RSD	1.037	15.12	22.76	50.77	71.3	28.57
Elms	1960/2	*Y				
Units	PPB					
Avge	-13.99	8592				
SDev	2.704	4.94974				
%RSD	19.33	.0576				

Method: TOTAL Sample Name: ICSAB Operator:
 Run Time: 06/04/13 14:25 Filename: I60604B
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1029.	474400.	976.2	1013.	504.6	496.9
SDev	.8191	97.36	.3044	3.689	.3664	.1513
%RSD	.0796	.0205	.0312	.364	.0726	.0304

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	517000.	940.6	475.2	472.9	517.3	191800.
SDev	122	.4183	.0181	.2332	.0914	31.07
%RSD	.0236	.0445	.0038	.0493	.0177	.0162

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	10670.	495700.	494.6	974.8	10380.	939.1
SDev	10.61	32.46	.1976	8.118	47.36	.4956
%RSD	.0995	.0065	.04	.8328	.4563	.0528

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	953.5	964.4	967.4	978.1	953.9	480.3
SDev	1.468	6.395	9.045	.7478	1.638	.4919
%RSD	.154	.6631	.935	.0765	.1717	.1024

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1014.	941.6	959.5	1000.	950.9	974.8
SDev	.1747	2.335	3.367	1.914	12.6	2.463
%RSD	.0172	.248	.3509	.1913	1.326	.2527

Elms	1960/2	*Y
Units	PPB	
Avge	959.3	8629
SDev	8.358	1.41421
%RSD	.8713	.01638

Method: TOTAL Sample Name: CCV Operator:
 Run Time: 06/04/13 14:32 Filename: I60604B
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1010.	24910.	506.8	5106.	2051.	2065.
SDev	.5674	12.63	1.319	13.93	.6705	.1031
%RSD	.0562	.0507	.2603	.2728	.0327	.005

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	50250.	511.0	2056.	2038.	2037.	25380.
SDev	56.81	.0545	1.093	.7654	1.13	4.987
%RSD	.113	.0107	.0532	.0375	.0555	.0196

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	51360.	50460.	2048.	2040.	49270.	2069.
SDev	70.28	47.2	.0696	26.69	1.279	.2931
%RSD	.1368	.0935	.0034	1.308	.0026	.0142

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	513.7	507.3	507.5	5099.	1019.	2023.
SDev	1.261	2.965	1.12	1.525	4.959	.6892
%RSD	.2454	.5845	.2208	.0299	.4867	.0341

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2073.	510.9	515.2	508.5	507.1	510.7
SDev	.2771	3.129	.3286	.4605	1.91	3.206
%RSD	.0134	.6124	.0638	.0906	.3766	.6277

Elms	1960/2	*Y
Units	PPB	
Avge	505.7	9114.75
SDev	2.845	14.4957
%RSD	.5626	.15903

Method: TOTAL Sample Name: CCB Operator:
 Run Time: 06/04/13 14:37 Filename: I60604B
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.5605	-.6700	.4373	18.18	.1244	.1303
SDev	.4066	.8844	1.044	2.623	.1407	.102
%RSD	72.54	132	238.7	14.42	113.1	78.28

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	47.48	.0053	.2553	-.3593	.4632	4.446
SDev	3.643	.067	.4503	.4204	.0158	3.59
%RSD	7.674	1269	176.4	117	3.409	80.74

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	30.74	108.3	.1281	8.793	-798.8	.0534
SDev	4.505	4.964	.141	3.676	109.6	.0382
%RSD	14.66	4.582	110	41.81	13.72	71.54

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.4944	-1.538	-.0941	1.213	-.3914	.1622
SDev	.1826	.5448	1.473	.2782	1.141	.3963
%RSD	36.94	35.42	1564	22.93	291.7	244.3

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	7.164	.8588	.3121	1.739	-1.009	4.263
SDev	.0173	.4748	.0367	.6953	1.861	.9855
%RSD	.2414	55.29	11.76	39.99	184.4	23.12

Elms	1960/2	*Y
Units	PPB	
Avge	-4.434	9171
SDev	.3248	10.6066
%RSD	7.324	.11565

Method: TOTAL Sample Name: lb 240-88034/2-b Operator:
 Run Time: 06/04/13 14:43 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0439	58.23	1.141	7.902	.8496	.0238
SDev	.9408	.9308	.4283	.2958	.0342	.0119
%RSD	2143	1.599	37.55	3.743	4.02	49.84

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	289.4	-.1824	-.1277	-.1186	.5920	19.05
SDev	1.559	.1062	.0911	.2104	.1223	3.003
%RSD	.5387	58.24	71.33	177.5	20.66	15.76

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	61.87	H149.0	.5872	2.927	14260.	.5955
SDev	1.95	2.514	.0212	.465	12.57	.1142
%RSD	3.151	1.687	3.611	15.89	.0881	19.18

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.4360	-1.330	-.1402	33.21	-2.722	-.2805
SDev	.4129	1.622	.1683	1.325	.8192	.0666
%RSD	94.71	121.9	120	3.992	30.09	23.74

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	6.772	1.793	-.2419	1.715	-1.066	-2.658
SDev	.4416	1.989	.374	.2465	.1292	1.528
%RSD	6.521	110.9	154.6	14.38	12.12	57.49

Elms	1960/2	*Y
Units	PPB	
Avge	-.6678	9138.75
SDev	1.669	12.3744
%RSD	250	.1354

Method: TOTAL Sample Name: mb 240-88263/2-a Operator:
 Run Time: 06/04/13 14:49 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0559	16.04	-.4926	3.430	.9032	.0268
SDev	.0211	1.573	.722	.1136	.0344	.0009
%RSD	37.7	9.805	146.6	3.31	3.812	3.227

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	294.3	-.0762	-.2578	.0199	1.013	20.41
SDev	.1451	.0344	.0898	.5745	.0177	5.476
%RSD	.0493	45.16	34.83	2894	1.743	26.83

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	55.29	H148.7	.6618	.9370	-484.3	.0809
SDev	5.852	.2291	.0415	.5296	300.5	.077
%RSD	10.58	.154	6.274	56.51	62.05	95.24

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.8892	-1.124	-1.105	31.74	1.045	-.1404
SDev	.0783	.9079	1.087	1.206	2.479	.1373
%RSD	8.808	80.75	98.35	3.8	237.2	97.8

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	7.618	2.333	.1678	-.7631	-1.276	-3.076
SDev	.062	1.029	.3964	.6005	1.33	4.469
%RSD	.8145	44.11	236.2	78.69	104.2	145.3

Elems	1960/2	*Y
Units	PPB	
Avge	-.1502	9103.75
SDev	.87	10.253
%RSD	579.2	.11262

Method: TOTAL Sample Name: lcs 240-88263/3-a Operator:
 Run Time: 06/04/13 14:55 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	49.50	1951.	1938.	958.0	2026.	48.59
SDev	.0218	3.782	1.507	5.111	3.779	.0393
%RSD	.044	.1938	.0777	.5335	.1866	.0808

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	L236.7	51.17	512.0	201.3	254.2	1024.
SDev	.5886	.0482	.1743	.5622	.0403	7.629
%RSD	.2487	.0942	.034	.2793	.0159	.7449

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	L68.50	L153.2	516.0	998.0	L-1012.	521.8
SDev	16.4	.8224	.3821	8.287	75.22	.3941
%RSD	23.94	.5368	.0741	.8304	7.433	.0755

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	510.7	1932.	466.6	2004.	1992.	495.7
SDev	1.47	2.54	4.726	.8018	13.08	.083
%RSD	.2879	.1315	1.013	.04	.6567	.0167

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	522.7	509.1	511.4	482.7	458.5	1933.
SDev	.1307	.4118	1.999	2.1	6.037	2.144
%RSD	.025	.0809	.3908	.435	1.317	.1109

Elms	1960/2	*Y
Units	PPB	
Avge	1932.	9150.5
SDev	4.879	22.6274
%RSD	.2525	.24728

Method: TOTAL Sample Name: 240-24760-a-1-d Operator:
 Run Time: 06/04/13 15:01 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1780	24.46	1.984	238.7	132.4	-.0076
SDev	.2241	1.822	.7631	.3675	.2628	.0097
%RSD	125.9	7.448	38.47	.1539	.1985	126.7

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	519.3	8.195	.0733	3.837	88.09	232.9
SDev	2.4	.0941	.002	.1884	.0544	7.271
%RSD	.4623	1.149	2.779	4.911	.0618	3.122

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	61.84	245.6	6.510	4.172	116.4	1.582
SDev	3.154	2.002	.0112	1.775	109.6	.4615
%RSD	5.1	.8151	.1715	42.55	94.19	29.18

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	165.5	1.419	2.086	27.47	-.9126	.0017
SDev	.4562	.913	.4131	1.798	1.56	.1957
%RSD	.2757	64.35	19.8	6.544	170.9	11730

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	269.8	162.9	166.8	3.603	1.329	1.336
SDev	.7033	1.379	.0043	.0958	.6672	1.638
%RSD	.2607	.8462	.0026	2.658	50.2	122.5

Elms	1960/2	*Y
Units	PPB	
Avge	1.460	9244
SDev	.5513	40.3051
%RSD	37.76	.43601

Method: TOTAL Sample Name: SD 240-24760-a-1-d@5 Operator:
 Run Time: 06/04/13 15:07 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.4342	12.85	2.000	49.93	26.64	.0048
SDev	.0212	2.372	.53	1.108	.2665	.0203
%RSD	4.88	18.46	26.51	2.218	1	419.9

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	119.2	1.719	-.0375	.4795	19.11	92.85
SDev	.7	.0378	.0036	.3063	.3512	2.151
%RSD	.5872	2.197	9.588	63.87	1.838	2.316

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	41.66	132.9	1.817	.2770	-632.3	.2450
SDev	11.18	.953	.0344	.3849	9.849	.5378
%RSD	26.84	.7171	1.894	138.9	1.558	219.5

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	34.49	-1.710	.4252	5.375	-.1787	.0950
SDev	.0467	.0936	1.208	.3994	1.597	.0654
%RSD	.1355	5.472	284.1	7.43	893.3	68.91

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	60.97	33.38	35.04	.4233	.4262	-.0887
SDev	.5832	.0803	.03	.3591	1.632	2.873
%RSD	.9566	.2404	.0856	84.84	383	3240

Elms	1960/2	*Y
Units	PPB	
Avge	-2.520	9146
SDev	1.575	67.1751
%RSD	62.5	.73447

Method: TOTAL Sample Name: 240-24760-a-1-e ms@5 Operator:
 Run Time: 06/04/13 15:13 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	185.0	383.2	938.5	234.0	9547.	9.829
SDev	1.37	2.791	1.291	.7343	4.818	.0065
%RSD	.7408	.7283	.1376	.3139	.0505	.0663

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	80.01	197.4	94.72	972.5	60.83	235.5
SDev	1.038	.4649	.1225	.9558	.1481	4.653
%RSD	1.297	.2356	.1293	.0983	.2434	1.976

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	34.91	120.5	99.49	188.7	-569.7	100.7
SDev	8.753	.3287	.0594	1.058	59.75	.1285
%RSD	25.07	.2727	.0598	.5606	10.49	.1277

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1004.	185.3	87.99	372.6	378.2	91.81
SDev	1.268	.0227	1.267	.6857	.9735	.0132
%RSD	.1264	.0122	1.44	.184	.2574	.0144

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	147.6	993.9	1008.	90.95	86.51	189.0
SDev	.1719	1.183	1.311	.2862	1.757	1.358
%RSD	.1165	.119	.13	.3147	2.031	.7189

Elems	1960/2	*Y
Units	PPB	
Avge	183.4	9198.5
SDev	.7122	5.65685
%RSD	.3882	.06149

Method: TOTAL Sample Name: 240-24760-a-1-fmsd@5 Operator:
 Run Time: 06/04/13 15:19 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	170.9	352.0	857.1	214.4	8705.	8.964
SDev	.6985	1.473	.8138	.4113	9.073	.0206
%RSD	.4087	.4184	.0949	.1918	.1042	.2302

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	86.30	181.3	85.91	888.0	56.06	224.8
SDev	.4301	.2753	.2112	1.763	.4072	2.699
%RSD	.4983	.1519	.2458	.1985	.7264	1.2

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	40.64	119.8	90.73	172.9	-596.8	92.03
SDev	4.234	2.366	.0484	.2684	179.1	.1323
%RSD	10.42	1.975	.0534	.1552	30.01	.1438

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	920.0	169.8	80.06	342.7	346.5	83.77
SDev	1.877	1.389	.7139	.9313	1.606	.1893
%RSD	.204	.818	.8918	.2718	.4635	.2259

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	127.8	914.2	922.9	83.42	78.37	170.5
SDev	.1894	.2284	2.928	.7135	1.427	2.022
%RSD	.1482	.025	.3173	.8552	1.82	1.186

Elms	1960/2	*Y
Units	PPB	
Avge	169.4	9188.5
SDev	1.072	13.435
%RSD	.633	.14621

Method: TOTAL Sample Name: lb 240-87909/2-b Operator:
 Run Time: 06/04/13 15:25 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.3210	14.50	2.501	H77.62	3.876	.0462
SDev	.0604	.6915	1.165	.6335	.2852	.0076
%RSD	18.8	4.768	46.58	.8161	7.356	16.42

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	578.1	-.0152	.0080	1.454	1.120	37.08
SDev	.0541	.074	.0889	.7353	.3249	1.832
%RSD	.0094	486.2	1111	50.57	29.02	4.941

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	114.7	H220.5	1.569	.9077	5018.	2.838
SDev	1.335	.8391	.0625	.2623	22.43	.1852
%RSD	1.164	.3806	3.985	28.9	.447	6.524

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H6.201	.8075	1.919	2.147	-3.299	-.1913
SDev	.652	1.023	.9124	.0433	.3951	.0662
%RSD	10.51	126.7	47.54	2.018	11.98	34.6

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	15.26	5.589	6.507	-.1748	2.965	4.894
SDev	.0508	.7204	1.337	.0046	1.37	.9934
%RSD	.3331	12.89	20.55	2.604	46.22	20.3

Elms	1960/2	*Y
Units	PPB	
Avge	-1.232	9248.75
SDev	1.038	13.7886
%RSD	84.25	.14908

Method: TOTAL Sample Name: mb 240-88166/2-a Operator:
 Run Time: 06/04/13 15:31 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1296	-2.824	.0601	-.0049	.0751	.0608
SDev	.2874	3.193	.4032	.2625	.0002	.0144
%RSD	221.7	113.1	671.4	5394	.2371	23.73

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	6.671	.0029	-.3843	-.3880	.8161	-2.975
SDev	.036	.1318	.2725	.1685	.1748	3.317
%RSD	.5396	4601	70.91	43.43	21.42	111.5

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	29.20	H104.7	.2437	.0462	-652.4	-.0006
SDev	.8132	.8505	.0601	1.641	175.3	.115
%RSD	2.785	.8123	24.67	3552	26.87	18830

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.345	-.4615	.3068	-.0381	-2.117	-.3348
SDev	.2616	2.836	.4884	1.297	1.379	.4104
%RSD	19.45	614.5	159.2	3408	65.12	122.6

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5.482	.8759	1.579	2.216	-.6461	.0806
SDev	.011	.3795	.5817	2.642	.5868	1.837
%RSD	.2	43.33	36.85	119.3	90.81	2281

Elems	1960/2	*Y
Units	PPB	
Avge	-.7322	9134.5
SDev	3.335	16.2634
%RSD	455.4	.17804

Method: TOTAL Sample Name: lcs 240-88166/3-a Operator:
 Run Time: 06/04/13 15:37 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	51.06	2072.	2031.	1094.	2102.	50.99
SDev	.271	3.709	6.771	1.523	6.848	.1344
%RSD	.5308	.179	.3333	.1392	.3258	.2636

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	51270.	51.92	522.8	210.2	263.7	1066.
SDev	45.79	.1298	1.581	.6216	1.414	1.55
%RSD	.0893	.25	.3024	.2958	.5362	.1454

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	52510.	50680.	534.5	1053.	56500.	530.1
SDev	189.5	147.8	1.483	6.143	219.9	1.588
%RSD	.361	.2915	.2774	.5831	.3892	.2996

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	517.5	2072.	497.0	2055.	2078.	522.8
SDev	1.989	.189	.7912	8.659	1.366	1.949
%RSD	.3844	.0091	.1592	.4214	.0657	.3729

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	563.2	517.9	517.3	510.5	490.2	2085.
SDev	24.62	1.784	2.091	2.38	.0022	6.156
%RSD	4.372	.3445	.4043	.4663	.0004	.2952

Elms	1960/2	*Y
Units	PPB	
Avge	2065.	9054.75
SDev	3.357	25.8094
%RSD	.1625	.28503

Method: TOTAL Sample Name: CCV Operator:
 Run Time: 06/04/13 15:43 Filename: I60604B
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1007.	24920.	504.6	5079.	2036.	2051.
SDev	.1259	9.046	.8003	11.93	1.499	1.264
%RSD	.0125	.0363	.1586	.2349	.0736	.0616

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	50370.	508.6	2048.	2035.	2032.	25310.
SDev	45.81	.3733	1.949	1.384	2.527	24.16
%RSD	.0909	.0734	.0952	.068	.1244	.0954

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	51200.	50370.	2042.	2041.	49140.	2055.
SDev	76.2	39.88	1.346	22.19	42.1	3.237
%RSD	.1489	.0792	.0659	1.087	.0857	.1576

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	510.2	506.2	505.5	5086.	1014.	2016.
SDev	.1153	1.649	.9515	.3504	5.094	2.345
%RSD	.0226	.3258	.1882	.0069	.5022	.1163

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2064.	510.5	510.0	509.3	503.6	509.7
SDev	1.254	.7465	.1997	.7266	1.789	3.84
%RSD	.0608	.1462	.0391	.1426	.3553	.7534

Elms	1960/2	*Y
Units	PPB	
Avge	504.5	9101.5
SDev	.5558	4.24264
%RSD	.1102	.04661

Method: TOTAL Sample Name: CCB Operator:
 Run Time: 06/04/13 15:49 Filename: I60604B
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0586	-4.108	.1098	20.19	.0499	.1497
SDev	.4292	.2643	.5957	4.343	.0352	.0121
%RSD	732.5	6.434	542.4	21.51	70.59	8.084

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	50.72	-.0775	-.0630	-.2689	.6969	-.4336
SDev	.3007	.023	.3598	.1676	.2933	3.881
%RSD	.5928	29.69	570.9	62.31	42.09	895.2

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	31.83	106.5	.1142	8.063	-872.0	-.3791
SDev	3.501	3.085	.0806	4.595	262.6	.1909
%RSD	11	2.896	70.62	56.98	30.12	50.34

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2049	-1.082	2.167	.1971	2.202	-.0777
SDev	.4003	1.237	2.13	.2008	.8378	.3276
%RSD	195.4	114.3	98.3	101.8	38.05	421.7

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	6.594	-.0439	.3288	2.332	2.084	2.824
SDev	.0051	1.03	1.114	3.982	5.181	.8847
%RSD	.0777	2346	339	170.8	248.6	31.33

Elms	1960/2	*Y
Units	PPB	
Avge	-3.033	9160
SDev	2.296	7.77817
%RSD	75.71	.08491

Method: TOTAL Sample Name: 240-24648-a-3-d Operator:
 Run Time: 06/04/13 15:55 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.7235	4.099	6.851	23.02	581.8	.3576
SDev	.3098	1.039	.6337	.8838	.7992	.0188
%RSD	42.82	25.35	9.249	3.839	.1374	5.245

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H603000.	.0215	-.1440	31.03	210.7	42.77
SDev	1077	.0923	.2911	.4056	.0037	3.549
%RSD	.1787	429.6	202.2	1.307	.0017	8.297

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	131800.	162.6	2.762	62.07	130600.	.6409
SDev	301.8	2.477	.0381	.2656	285.1	.2058
%RSD	.229	1.523	1.379	.4279	.2183	32.11

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H94570.	270.5	2.268	3.163	8.720	-.2483
SDev	123.6	.6258	.2545	1.072	2.196	.219
%RSD	.1307	.2314	11.22	33.9	25.18	88.19

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3767.	98330.	92700.	-.8501	3.824	281.2
SDev	4.869	289.3	40.89	.5227	.6425	2.238
%RSD	.1293	.2943	.0441	61.49	16.8	.796

Elms	1960/2	*Y
Units	PPB	
Avge	265.2	8461.75
SDev	2.056	16.617
%RSD	.7752	.19637

Method: TOTAL Sample Name: SD 240-24648-a-3-d@5 Operator:
 Run Time: 06/04/13 16:00 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1630	2.023	2.498	6.106	115.9	.1836
SDev	.231	.4719	1.264	.8691	.2362	.0178
%RSD	141.7	23.33	50.63	14.23	.2037	9.678

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H529400.	-.0062	-.0297	5.947	42.13	2.415
SDev	1221	.0013	.0943	.2778	.2853	.3081
%RSD	.2307	21.6	317.7	4.671	.6773	12.76

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	24860.	114.9	.5787	12.61	26270.	-.3078
SDev	92.44	3.331	.0192	1.182	151.6	.6309
%RSD	.3719	2.899	3.322	9.372	.5771	204.9

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H19180.	51.30	-.3906	.4114	2.766	-.0598
SDev	48.45	1.142	.8882	.5621	3.53	.0666
%RSD	.2526	2.227	227.4	136.6	127.6	111.4

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	785.7	19240.	19150.	-.2434	-.4640	50.22
SDev	2.997	2.008	71.63	2.355	.1561	.1904
%RSD	.3815	.0104	.374	967.2	33.63	.3791

Elms	1960/2	*Y
Units	PPB	
Avge	51.84	8873.25
SDev	1.618	20.8596
%RSD	3.12	.23508

Method: TOTAL Sample Name: 240-24648-a-3-e ms@5 Operator:
 Run Time: 06/04/13 16:06 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	199.6	395.5	973.0	201.5	9735.	9.831
SDev	.4762	.6247	2.515	.0205	17.95	.0117
%RSD	.2387	.1579	.2585	.0102	.1843	.1189

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H530100.	192.9	94.83	973.7	92.23	197.0
SDev	40.79	.2597	.2756	.3249	.1208	.938
%RSD	.0077	.1346	.2906	.0334	.131	.4762

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	35030.	9624.	101.8	250.9	35680.	99.03
SDev	62.79	.1015	.0163	2.892	31.33	.0951
%RSD	.1793	.0011	.016	1.152	.0878	.096

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H19680.	246.7	99.03	390.2	396.5	97.73
SDev	5.533	1.776	1.154	.3053	.3189	.2322
%RSD	.0281	.7197	1.165	.0782	.0804	.2375

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	866.5	19890.	19580.	102.3	97.41	252.4
SDev	.8251	17.87	17.22	4.313	3.883	.5715
%RSD	.0952	.0898	.0879	4.217	3.987	.2264

Elms	1960/2	*Y
Units	PPB	
Avge	243.9	8841.5
SDev	2.377	1.41421
%RSD	.9746	.01599

Method: TOTAL Sample Name: 240-24648-a-3-fmsd@5 Operator:
 Run Time: 06/04/13 16:12 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	201.7	407.0	992.8	205.2	9920.	9.979
SDev	.3397	.8915	4.458	.2397	23.1	.0037
%RSD	.1684	.219	.4491	.1168	.2329	.0374

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H528500.	196.6	96.12	988.0	93.19	200.1
SDev	1071	.407	.1264	1.248	.0971	.8797
%RSD	.2027	.2071	.1315	.1263	.1042	.4396

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	35280.	9751.	103.9	254.6	36020.	101.0
SDev	33.95	16.1	.044	1.304	133.7	.5423
%RSD	.0962	.1651	.0424	.5122	.3712	.5368

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H19900.	250.5	98.07	396.7	399.8	99.32
SDev	11.85	.967	1.02	1.279	1.615	.1375
%RSD	.0595	.386	1.04	.3223	.404	.1385

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	876.3	19950.	19880.	100.5	96.88	252.9
SDev	.1272	52.77	44.11	.9497	1.055	3.05
%RSD	.0145	.2645	.2219	.9453	1.089	1.206

Elems	1960/2	*Y
Units	PPB	
Avge	249.3	8890.75
SDev	2.973	25.1023
%RSD	1.192	.28234

Method: TOTAL Sample Name: mb 240-87770/1-a Operator:
 Run Time: 06/04/13 16:18 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0507	1.143	.1058	.1840	.9592	-.0063
SDev	.1621	1.545	.6301	.1213	.141	.0141
%RSD	319.6	135.1	595.4	65.93	14.7	225.9

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	207.7	-.0240	.2588	-.5577	1.202	7.448
SDev	10.69	.0879	.0885	.6878	.3313	5.359
%RSD	5.146	365.3	34.2	123.3	27.56	71.96

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	44.48	H149.9	.3085	1.083	-1151.	-.2663
SDev	21.95	1.962	.0407	1.031	362.6	.7919
%RSD	49.35	1.309	13.18	95.2	31.51	297.3

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2.871	-2.443	-.7475	1.516	.2613	-.1434
SDev	.3012	1.526	.1689	1.638	.0895	.2648
%RSD	10.49	62.45	22.6	108.1	34.24	184.6

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H26.66	2.884	2.864	.5128	-1.377	.0827
SDev	.0996	.047	.4751	1.647	.5689	.3246
%RSD	.3734	1.63	16.59	321.2	41.33	392.6

Elms	1960/2	*Y
Units	PPB	
Avge	-3.704	9283
SDev	2.125	17.6777
%RSD	57.38	.19043

Method: TOTAL Sample Name: lcs 240-87770/2-a Operator:
 Run Time: 06/04/13 16:24 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	48.48	1915.	1916.	961.5	1933.	47.53
SDev	.2741	7.997	3.756	3.596	3.107	.0422
%RSD	.5654	.4177	.196	.374	.1608	.0888

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	47050.	48.58	486.4	193.4	244.0	959.4
SDev	60.02	.1237	.0005	.3442	.6479	2.649
%RSD	.1276	.2546	.0001	.178	.2655	.2761

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	48980.	47900.	495.0	954.3	48120.	492.8
SDev	179	40.09	.5491	19.34	35.08	1.468
%RSD	.3655	.0837	.1109	2.027	.0729	.2979

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	485.6	1968.	469.4	1907.	1941.	483.1
SDev	1.04	1.14	1.004	5.444	10.34	.5882
%RSD	.2141	.058	.2139	.2855	.5329	.1218

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	530.7	479.5	488.6	482.3	463.0	1972.
SDev	.8683	.7101	1.913	.4779	1.744	7.348
%RSD	.1636	.1481	.3916	.0991	.3766	.3725

Elms	1960/2	*Y
Units	PPB	
Avge	1965.	9190.25
SDev	1.959	1.76776
%RSD	.0997	.01923

Method: TOTAL Sample Name: 240-24871-c-10-a Operator:
 Run Time: 06/04/13 16:30 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0445	30.41	1.033	515.2	28.01	.0806
SDev	.1643	.6866	.0441	2.561	.0017	.0075
%RSD	369.2	2.258	4.266	.4971	.0062	9.36

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	22960.	-.0095	.2809	.2065	1.795	52.96
SDev	30.95	.0522	.2733	.6622	.0211	2.66
%RSD	.1348	547.1	97.26	320.7	1.176	5.022

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4304.	15300.	24.06	13.58	323400.	.5728
SDev	23.91	23.88	.0904	2.101	806.1	.0007
%RSD	.5554	.156	.376	15.47	.2493	.1153

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2.282	-.2296	.7981	.0798	1.139	.0328
SDev	.8609	.7339	.183	.3046	2.781	.2091
%RSD	37.72	319.7	22.92	381.9	244.2	638.4

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5.899	1.400	2.722	1.607	.3944	5.360
SDev	.0083	.1809	1.2	.9554	.7513	.8592
%RSD	.1404	12.92	44.1	59.46	190.5	16.03

Elms	1960/2	*Y
Units	PPB	
Avge	-3.020	9067.25
SDev	1.529	10.9602
%RSD	50.64	.12087

Method: TOTAL Sample Name: SD 240-24871-c-10a@5 Operator:
 Run Time: 06/04/13 16:36 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.3041	7.051	.7265	104.8	5.753	.0657
SDev	.4912	2.18	.5291	.6663	.0387	.0069
%RSD	161.5	30.92	72.83	.6357	.6732	10.56

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4711.	.0117	.0046	-.3274	.9660	8.979
SDev	2.681	.1345	.2709	.3385	.4161	3.918
%RSD	.0569	1147	5824	103.4	43.07	43.63

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	769.2	3159.	4.902	3.256	66110.	.5147
SDev	6.746	.5721	.084	.0024	216.4	.0765
%RSD	.877	.0181	1.713	.0746	.3274	14.85

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.991	-.4939	-.8825	.0364	-.7152	.0082
SDev	.6962	1.3	.3126	.5908	1.101	.068
%RSD	34.96	263.1	35.43	1621	153.9	825.6

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	7.102	2.493	1.740	1.209	-1.927	1.944
SDev	.0044	1.035	.5271	.4778	.7073	7.056
%RSD	.0616	41.51	30.29	39.53	36.71	363

Elms	1960/2	*Y
Units	PPB	
Avge	-1.711	9130.25
SDev	1.574	5.3033
%RSD	92.01	.05808

Method: TOTAL Sample Name: 240-24871-c-10-b ms Operator:
 Run Time: 06/04/13 16:42 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	52.69	2144.	2118.	1557.	2128.	51.75
SDev	.1333	.5607	1.615	6.323	.2375	.0552
%RSD	.2529	.0262	.0763	.4061	.0112	.1067

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	74360.	52.58	534.9	211.5	269.2	1110.
SDev	11.11	.0041	.2011	.1437	.3508	9.479
%RSD	.0149	.0077	.0376	.0679	.1303	.8541

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	62410.	67880.	566.7	1068.	371800.	537.2
SDev	42.36	14.29	.4149	18.5	273.4	1.854
%RSD	.0679	.0211	.0732	1.732	.0735	.345

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	525.8	2146.	525.5	2117.	2129.	525.5
SDev	.7974	1.717	1.352	.5693	10.85	.304
%RSD	.1517	.08	.2572	.0269	.5095	.0579

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	554.4	524.9	526.2	538.6	518.9	2164.
SDev	.5958	.8548	.7688	.8155	2.433	2.232
%RSD	.1075	.1629	.1461	.1514	.469	.1032

Elms	1960/2	*Y
Units	PPB	
Avge	2138.	8994
SDev	1.459	4.94974
%RSD	.0683	.05503

Method: TOTAL Sample Name: 240-24871-c-10-c msd Operator:
 Run Time: 06/04/13 16:48 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	51.92	2086.	2077.	1548.	2081.	50.60
SDev	.2327	.0242	.762	3.664	1.85	.0172
%RSD	.4481	.0012	.0367	.2367	.0889	.0339

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	73090.	51.48	522.9	205.0	264.3	1077.
SDev	26.81	.0286	.4092	.0143	.2347	4.217
%RSD	.0367	.0556	.0782	.007	.0888	.3917

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	61280.	66610.	553.8	1049.	371300.	523.9
SDev	44.44	46.29	.5164	12.72	186.8	1.637
%RSD	.0725	.0695	.0933	1.212	.0503	.3125

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	514.8	2109.	510.9	2074.	2099.	513.2
SDev	.7158	3.743	.643	.11	8.103	.0805
%RSD	.139	.1775	.1258	.0053	.386	.0157

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	538.9	512.1	516.2	524.5	504.2	2125.
SDev	.4394	.2942	.9263	2.297	.1827	.497
%RSD	.0815	.0574	.1795	.438	.0362	.0234

Elms	1960/2	*Y
Units	PPB	
Avge	2101.	8999.5
SDev	5.363	.7071
%RSD	.2553	.00785

Method: TOTAL Sample Name: CCV Operator:
 Run Time: 06/04/13 16:54 Filename: I60604B
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1013.	25120.	507.5	5112.	2043.	2060.
SDev	2.218	56.8	.8227	.2766	4.745	4.86
%RSD	.2189	.2262	.1621	.0054	.2322	.236

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	50260.	511.5	2061.	2048.	2047.	25480.
SDev	115.6	1.549	4.98	5.889	6.046	66.68
%RSD	.23	.3028	.2416	.2875	.2954	.2617

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	51560.	50800.	2055.	2061.	49400.	2068.
SDev	131.4	112.2	4.727	21.28	60.97	3.637
%RSD	.2548	.2208	.23	1.033	.1234	.1759

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	514.0	511.3	507.6	5122.	1022.	2027.
SDev	.7659	1.569	.4414	16.22	.3554	5.384
%RSD	.149	.3069	.0869	.3167	.0348	.2657

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2079.	516.9	512.5	512.1	505.4	517.8
SDev	5.632	.6866	.8056	3.41	2.364	2.139
%RSD	.2708	.1328	.1572	.666	.4678	.4131

Elms	1960/2	*Y
Units	PPB	
Avge	508.1	9049
SDev	1.284	28.2843
%RSD	.2528	.31256

Method: TOTAL Sample Name: CCB Operator:
 Run Time: 06/04/13 17:00 Filename: I60604B
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.2435	-5.751	-.0076	20.55	.1505	.2543
SDev	.576	.412	.0778	4.57	.0365	.0586
%RSD	236.6	7.164	1021	22.24	24.24	23.06

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	51.96	.0485	.1916	-.3847	1.125	.3567
SDev	1.863	.0229	.3606	.3431	.0955	3.411
%RSD	3.585	47.19	188.2	89.17	8.488	956.5

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	28.84	107.6	.1866	9.321	-943.5	.1600
SDev	7.98	1.498	.0996	3.485	171.6	.729
%RSD	27.66	1.392	53.37	37.39	18.19	455.7

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.500	-.6586	2.462	2.569	-.2026	.1178
SDev	1.298	.6588	2.219	1.83	.1038	.1932
%RSD	86.58	100	90.13	71.25	51.25	164.1

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	6.661	1.417	1.541	2.857	2.265	-1.897
SDev	.0572	.8703	2.381	.3297	3.163	4.571
%RSD	.8595	61.43	154.6	11.54	139.6	241

Elms	1960/2	*Y
Units	PPB	
Avge	-.0405	9119.75
SDev	1.295	55.5079
%RSD	3199	.60865

Method: TOTAL Sample Name: 240-24871-c-11-a Operator:
 Run Time: 06/04/13 17:06 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1480	103.7	1.004	883.1	5.199	.1289
SDev	.1427	3.416	.6235	4.474	.0885	.0419
%RSD	96.44	3.295	62.12	.5066	1.702	32.51

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	7491.	.1029	1.690	-.5493	2.474	118.4
SDev	26.95	.1639	.367	.0651	.4662	.2688
%RSD	.3597	159.4	21.72	11.86	18.84	.2271

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3561.	2310.	35.17	10.46	336900.	215.0
SDev	20.83	8.431	.118	.9623	1245	1.759
%RSD	.585	.365	.3355	9.197	.3697	.8182

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.7974	-.7946	.4237	-1.364	1.720	.2168
SDev	.8793	.4733	.0805	.2446	.752	.2083
%RSD	110.3	59.56	18.99	17.93	43.73	96.07

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	10.52	-.6206	1.505	-1.052	1.161	2.430
SDev	.0317	.6952	1.665	1.571	.9048	5.844
%RSD	.3009	112	110.6	149.2	77.95	240.5

Elems	1960/2	*Y
Units	PPB	
Avge	-2.405	9092
SDev	2.208	30.4056
%RSD	91.82	.33442

Method: TOTAL Sample Name: 240-24871-c-12-a Operator:
 Run Time: 06/04/13 17:12 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.5923	22.36	-.0182	305.7	31.76	.0441
SDev	.2652	4.55	.0008	.0093	.0282	.0058
%RSD	44.77	20.35	4.43	.003	.0888	13.18

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	47290.	.0590	.7260	-.4333	2.689	308.7
SDev	21.9	.0953	.5402	.5274	.0854	5.044
%RSD	.0463	161.5	74.41	121.7	3.176	1.634

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	6095.	16320.	93.15	7.497	137200.	32.20
SDev	11.94	8.204	.0625	.2544	117.5	.3724
%RSD	.1958	.0503	.0671	3.393	.0856	1.156

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.7083	-2.145	-.2910	-.7020	1.684	-.0843
SDev	.7048	1.188	.028	.4404	2.803	.7425
%RSD	99.52	55.4	9.606	62.73	166.5	881.2

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	7.487	-1.364	1.743	.5488	-.7103	.5147
SDev	.0847	.2726	1.193	1.912	.9963	1.533
%RSD	1.131	19.98	68.44	348.3	140.3	297.8

Elems	1960/2	*Y
Units	PPB	
Avge	-3.473	9168.25
SDev	1.016	8.13172
%RSD	29.27	.08869

Method: TOTAL Sample Name: 240-24871-c-13-a Operator:
 Run Time: 06/04/13 17:18 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0303	31.64	2.369	327.0	34.74	.0852
SDev	.1642	.5498	1.135	.6133	.004	.0064
%RSD	542.1	1.738	47.89	.1875	.0116	7.51

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	51810.	.0936	.7936	-.1910	3.435	305.2
SDev	78.11	.1105	.4524	.1907	.0019	1.143
%RSD	.1508	118.1	57.01	99.84	.0556	.3745

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	6706.	17830.	98.30	6.892	149900.	34.69
SDev	2.041	28.52	.1103	.5276	260.9	.3033
%RSD	.0304	.1599	.1122	7.654	.1741	.8744

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.9690	-1.130	-1.138	-1.238	-1.278	-.0365
SDev	1.164	2.267	.8044	1.129	2.598	.1371
%RSD	120.1	200.5	70.68	91.21	203.4	375.2

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	6.784	-1.607	2.255	-1.498	-.9584	1.625
SDev	.1041	.3307	1.579	1.923	2.166	1.344
%RSD	1.534	20.58	70.05	128.4	226	82.72

Elms	1960/2	*Y
Units	PPB	
Avge	-2.506	9117.75
SDev	2.728	1.06066
%RSD	108.8	.01163

Method: TOTAL Sample Name: 240-24871-c-14-a Operator:
 Run Time: 06/04/13 17:24 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.6199	-3.832	.2770	92.34	91.42	.1564
SDev	.1851	.6604	.975	.1865	.0388	.0109
%RSD	29.86	17.23	352	.202	.0425	6.976

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	143100.	.0402	-.0400	-.1448	1.611	1984.
SDev	17.88	.0123	.0893	.1719	.2421	3.008
%RSD	.0125	30.71	223.5	118.7	15.03	.1516

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2167.	23660.	662.0	-.8815	17030.	1.144
SDev	16.4	5.046	.1499	.0659	104.1	.1952
%RSD	.7568	.0213	.0226	7.477	.6112	17.07

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.011	-.8718	2.385	-.2155	1.595	-.0834
SDev	.6108	.1261	.8974	1.043	5.482	.0005
%RSD	60.39	14.47	37.62	484	343.7	.553

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	6.817	-2.435	2.732	-.0048	3.579	.5401
SDev	.0372	.6554	.5886	1.209	.7416	2.671
%RSD	.5462	26.92	21.55	24950	20.72	494.5

Elms	1960/2	*Y
Units	PPB	
Avge	-1.577	9092.75
SDev	1.144	20.8596
%RSD	72.58	.2294

Method: TOTAL Sample Name: 240-24871-c-15-a Operator:
 Run Time: 06/04/13 17:30 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0222	148.8	2.937	79.43	58.21	.1530
SDev	.4131	.8452	.4197	1.553	.0008	.0011
%RSD	1863	.568	14.29	1.955	.0014	.7233

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	222600.	.0893	6.702	.6015	2.660	1267.
SDev	319.4	.0759	.1903	.79	.287	1.24
%RSD	.1435	84.93	2.839	131.3	10.79	.0979

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1909.	48180.	773.7	2.689	20820.	11.02
SDev	23.38	38.39	.6179	.3278	140	.4907
%RSD	1.224	.0797	.0799	12.19	.6723	4.453

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.5697	-2.148	-.3239	-1.424	2.652	.0847
SDev	.1267	2.957	.408	.141	3.043	.0687
%RSD	22.23	137.6	126	9.907	114.7	81.1

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	11.78	-.5848	1.146	-1.195	.1108	-.0356
SDev	.4663	.1322	.256	.246	.4889	1.204
%RSD	3.958	22.62	22.34	20.59	441.2	3384

Elms	1960/2	*Y
Units	PPB	
Avge	-3.203	9034.75
SDev	3.832	10.9602
%RSD	119.6	.12131

Method: TOTAL Sample Name: 240-24871-c-16-a Operator:
 Run Time: 06/04/13 17:36 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0109	-2.277	.2498	121.8	70.95	.1406
SDev	.1244	1.023	.182	.0634	.083	.012
%RSD	1140	44.92	72.88	.0521	.117	8.538

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	136300.	.0116	-.0624	-.2024	1.293	5.767
SDev	25.02	.0278	.0904	.1699	.1217	.0076
%RSD	.0184	240.2	144.9	83.93	9.409	.1321

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2047.	34920.	5.788	4.361	51940.	2.239
SDev	19.14	4.096	.0273	.5896	82.33	.0412
%RSD	.9351	.0117	.4719	13.52	.1585	1.841

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0407	-3.401	-.5009	-.1064	-2.258	-.3249
SDev	.5003	.879	1.119	.1787	2.373	.1353
%RSD	1229	25.84	223.3	167.9	105.1	41.64

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4.130	-.9115	.5157	-.4049	-.5488	.2435
SDev	.0214	1.22	1.359	1.088	1.134	.9574
%RSD	.518	133.9	263.6	268.7	206.6	393.2

Elems	1960/2	*Y
Units	PPB	
Avge	-5.221	9067
SDev	.8398	10.6066
%RSD	16.09	.11698

Method: TOTAL Sample Name: 240-24871-c-17-a Operator:
 Run Time: 06/04/13 17:42 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0447	56.45	1.003	309.6	18.79	.1223
SDev	.4513	2.011	1.448	1.265	.0289	.0062
%RSD	1010	3.562	144.4	.4086	.1536	5.074

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	46930.	.0879	.2724	-.2513	2.942	159.5
SDev	11.79	.0812	.0907	.1062	.2993	.5479
%RSD	.0251	92.42	33.28	42.27	10.18	.3436

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4339.	12850.	18.84	2.052	142400.	2.609
SDev	13.56	16.21	.034	.2624	60.84	.1162
%RSD	.3125	.1262	.1804	12.79	.0427	4.455

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.296	-.8037	-1.081	-1.242	1.189	-.3328
SDev	.6342	2.965	.4149	.0004	.1373	.2712
%RSD	48.94	368.9	38.37	.0359	11.55	81.48

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	8.091	1.543	1.172	-1.778	-.7334	2.638
SDev	.1308	2.034	1.966	3.015	.8833	1.105
%RSD	1.616	131.8	167.7	169.6	120.5	41.9

Elms	1960/2	*Y
Units	PPB	
Avge	-2.522	9113.25
SDev	4.998	3.18198
%RSD	198.2	.03491

Method: TOTAL Sample Name: 240-24871-c-18-a Operator:
 Run Time: 06/04/13 17:48 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2480	-6.728	1.969	73.57	60.32	.1533
SDev	.2296	.9604	.2086	.6108	.3229	.0153
%RSD	92.61	14.27	10.6	.8303	.5352	9.959

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	127100.	.1147	.3771	-.1094	1.429	2465.
SDev	441.4	.041	.1827	.2547	.244	4.659
%RSD	.3473	35.71	48.45	232.9	17.07	.189

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1138.	27150.	149.8	1.658	9060.	.4651
SDev	3.069	98.12	.4195	1.003	19.35	.0765
%RSD	.2697	.3614	.28	60.51	.2136	16.45

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0934	.4618	-.2412	-.6017	-2.228	-.2785
SDev	.0187	1.932	.358	.0175	.5066	.1347
%RSD	20.04	418.4	148.4	2.906	22.74	48.38

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3.976	.1841	.0479	2.929	-1.824	4.381
SDev	.0117	.2267	.0851	2.418	1.744	.9929
%RSD	.2939	123.2	177.8	82.55	95.61	22.66

Elems	1960/2	*Y
Units	PPB	
Avge	-1.495	9032.25
SDev	3.393	21.5667
%RSD	227	.23877

Method: TOTAL Sample Name: 240-24871-c-19-a Operator:
 Run Time: 06/04/13 17:54 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.5674	139.1	3.164	72.82	48.83	.1611
SDev	.579	.8646	2.245	.0285	.03	.0001
%RSD	102	.6214	70.95	.0392	.0614	.0665

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	130400.	.0844	4.107	1.039	1.695	1634.
SDev	54.13	.0679	.1828	.2996	.6177	3.232
%RSD	.0415	80.47	4.452	28.84	36.43	.1978

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1426.	27750.	3735.	3.342	7594.	3.066
SDev	4.613	5.65	.6016	.5977	6.47	.0391
%RSD	.3235	.0204	.0161	17.89	.0852	1.275

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.219	-1.827	1.092	-1.223	.6654	.0307
SDev	.5083	1.109	2.224	1.939	.0186	.0013
%RSD	41.68	60.68	203.6	158.6	2.801	4.317

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	7.520	-.9994	2.327	-1.194	2.234	1.966
SDev	.0538	.4774	.5236	.729	3.698	3.887
%RSD	.7155	47.77	22.5	61.07	165.5	197.8

Elms	1960/2	*Y
Units	PPB	
Avge	-3.721	9045.25
SDev	.2785	1.06066
%RSD	7.486	.01172

Method: TOTAL Sample Name: 240-24871-c-20-a Operator:
 Run Time: 06/04/13 17:59 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.4065	-.5450	1.133	-.8358	.0740	.0701
SDev	.4253	.07	2.059	.5895	.0699	.0134
%RSD	104.6	12.85	181.7	70.54	94.45	19.15

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5.174	.0506	-.1225	-.1125	1.075	9.819
SDev	.5104	.0099	.0897	.3973	.3898	6.306
%RSD	9.865	19.55	73.28	353.1	36.26	64.23

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	28.80	104.5	.3816	-.1929	-562.1	.1871
SDev	4.339	.3363	.0197	.7795	201.3	.6828
%RSD	15.07	.3218	5.155	404	35.81	364.9

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.9869	-3.236	-.2935	-1.203	.1457	-.1930
SDev	.0748	1.286	.2756	.2816	.7268	.0688
%RSD	7.578	39.73	93.89	23.41	498.8	35.66

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2.543	-1.940	2.448	-1.178	.1479	-1.635
SDev	.0061	.5471	.161	.2362	.531	3.138
%RSD	.24	28.2	6.578	20.05	359	192

Elms	1960/2	*Y
Units	PPB	
Avge	-4.036	9233.5
SDev	.3609	7.07106
%RSD	8.942	.07658

Method: TOTAL Sample Name: CCV Operator:
 Run Time: 06/04/13 18:05 Filename: I60604B
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1025.	25430.	513.2	5191.	2085.	2087.
SDev	.5671	14.58	.7924	7.039	3.634	1.727
%RSD	.0553	.0574	.1544	.1356	.1743	.0827

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	51040.	519.8	2084.	2070.	2073.	25780.
SDev	26.28	.2431	.6153	1.319	2.256	3.942
%RSD	.0515	.0468	.0295	.0637	.1089	.0153

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	52060.	51360.	2077.	2082.	49900.	2106.
SDev	23.67	13.31	.5146	24.36	39.65	.8639
%RSD	.0455	.0259	.0248	1.17	.0794	.041

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	522.9	519.2	512.8	5170.	1034.	2052.
SDev	.8631	2.145	.2189	.4399	2.375	.4254
%RSD	.165	.4132	.0427	.0085	.2296	.0207

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2105.	523.5	522.7	518.6	510.0	524.0
SDev	1.872	.0021	1.295	.6626	.0025	2.193
%RSD	.0889	.0004	.2478	.1278	.0005	.4184

Elms	1960/2	*Y
Units	PPB	
Avge	516.7	9116
SDev	4.311	15.5563
%RSD	.8342	.17064

Method: TOTAL Sample Name: CCB Operator:
 Run Time: 06/04/13 18:11 Filename: I60604B
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.2031	-5.457	.1942	16.72	.0249	.1680
SDev	.1431	1.115	.9006	4.554	.0705	.077
%RSD	70.45	20.42	463.8	27.24	282.8	45.87

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4.235	.0297	.1277	-.2989	.8429	-.4539
SDev	2.495	.0463	.0903	.0007	.106	7.555
%RSD	58.92	155.7	70.73	.2226	12.58	1665

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	34.81	105.4	.0856	6.719	-710.4	.2428
SDev	7.616	3.604	.0807	2.952	84.6	.1531
%RSD	21.88	3.419	94.27	43.94	11.91	63.05

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.255	-2.142	1.671	.1821	-1.404	.3497
SDev	.194	2.463	.3326	.1803	1.606	.007
%RSD	15.45	115	19.9	99.02	114.4	2.004

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.3731	.2169	1.773	2.494	1.260	-2.512
SDev	.0264	2.355	.8849	3.492	1.245	3.434
%RSD	7.08	1086	49.9	140	98.77	136.7

Elms	1960/2	*Y
Units	PPB	
Avge	-1.958	9159
SDev	1.979	3.53553
%RSD	101.1	.0386

Method: TOTAL Sample Name: 240-24881-b-1-a Operator:
 Run Time: 06/04/13 18:17 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.2800	-3.721	2.267	31.55	414.5	.1936
SDev	.7479	.0707	.0363	.7826	.1408	.0533
%RSD	267.1	1.9	1.601	2.481	.034	27.52

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	178900.	-.0135	-.3066	.0466	1.557	3620.
SDev	336.3	.058	.3676	.0007	.0898	1.121
%RSD	.188	430.8	119.9	1.435	5.77	.031

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2269.	53410.	59.83	7.324	153300.	1.320
SDev	2.105	101.9	.0763	1.127	92.97	.6606
%RSD	.0928	.1908	.1274	15.39	.0607	50.06

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0007	-1.816	1.007	-.2719	1.907	-.4808
SDev	.9485	.6005	.0379	1.541	5.247	.2778
%RSD	139900	33.06	3.759	566.6	275.2	57.78

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	7.392	-1.609	.8041	.8989	1.061	1.648
SDev	.0166	.0119	1.428	2.191	1.037	1.423
%RSD	.2242	.74	177.6	243.8	97.77	86.38

Elms	1960/2	*Y
Units	PPB	
Avge	-3.546	9000.5
SDev	.1897	7.07106
%RSD	5.351	.07856

Method: TOTAL Sample Name: 240-24881-b-2-a Operator:
 Run Time: 06/04/13 18:23 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.2828	3567.	2.367	21.03	48.70	.1359
SDev	.4321	4.043	.3615	.5739	.0298	.0155
%RSD	152.8	.1133	15.27	2.729	.0612	11.37

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	123000.	.0799	3.811	43.74	11.39	6371.
SDev	186.8	.0482	.0092	.2311	.0732	13.23
%RSD	.1518	60.35	.2423	.5283	.6427	.2077

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3818.	27090.	161.1	15.67	28460.	74.45
SDev	10.44	48.26	.1865	.4419	38.72	.5158
%RSD	.2735	.1781	.1158	2.821	.1361	.6928

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5.123	-3.259	1.191	-.4458	-.0318	8.097
SDev	.4898	1.401	1.545	.8229	1.428	.0925
%RSD	9.56	43	129.7	184.6	4490	1.143

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	65.44	1.983	6.690	-2.302	2.935	-3.272
SDev	.1571	.1979	.6355	.4771	2.079	.7536
%RSD	.2401	9.979	9.499	20.72	70.82	23.03

Elms	1960/2	*Y
Units	PPB	
Avge	-3.253	9106
SDev	1.725	25.4558
%RSD	53.02	.27955

Method: TOTAL Sample Name: 240-24881-b-3-a Operator:
 Run Time: 06/04/13 18:29 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.2099	10190.	7.116	25.10	117.3	.3369
SDev	.1439	3.856	.4063	1.043	.0654	.0004
%RSD	68.55	.0378	5.709	4.156	.0558	.1291

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	144400.	.0334	5.796	148.3	20.11	9668.
SDev	18.71	.0199	.1829	.3084	.0902	2.409
%RSD	.013	59.66	3.155	.208	.4487	.0249

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2892.	34210.	251.4	7.086	5472.	94.76
SDev	3.163	1.759	.0137	.6617	28.83	.3407
%RSD	.1094	.0051	.0055	9.339	.5269	.3596

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	9.056	-.8275	.2274	-.4480	-1.358	12.48
SDev	.2236	1.531	1.526	1.166	.4845	.5377
%RSD	2.469	185	671.4	260.3	35.68	4.307

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	76.29	7.946	9.610	.7820	-.0495	3.918
SDev	.0009	1.953	1.31	.0063	2.292	4.691
%RSD	.0012	24.58	13.64	.8009	4626	119.7

Elms	1960/2	*Y
Units	PPB	
Avge	-3.197	9109.75
SDev	.0465	3.18198
%RSD	1.454	.03492

Method: TOTAL Sample Name: 240-24881-b-4-a Operator:
 Run Time: 06/04/13 18:35 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.7316	-6.361	.3762	67.56	462.8	.1857
SDev	.2578	4.546	1.254	.2889	.0869	.0155
%RSD	35.23	71.47	333.4	.4276	.0188	8.368

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	239100.	.0708	-.0284	-.4237	1.481	3133.
SDev	316.6	.0391	.0019	.3114	.3542	3.42
%RSD	.1324	55.21	6.597	73.5	23.91	.1092

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5590.	64140.	94.20	6.712	H777900.	3.378
SDev	.6684	115.5	.1139	.4657	640.2	.0733
%RSD	.012	.18	.121	6.938	.0823	2.169

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.137	-3.132	-1.142	-1.419	2.842	-.6271
SDev	.1816	.5224	1.379	2.699	.2709	.0726
%RSD	15.98	16.68	120.8	190.2	9.534	11.58

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	9.842	.3392	1.534	-1.298	-1.063	.2338
SDev	.2005	.7497	.102	1.378	2.755	1.967
%RSD	2.037	221	6.646	106.1	259.1	841

Elms	1960/2	*Y
Units	PPB	
Avge	-4.812	8721
SDev	.1987	18.3848
%RSD	4.129	.21081

Method: TOTAL Sample Name: 240-24881-b-5-a Operator:
 Run Time: 06/04/13 18:41 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.6327	37.21	2.591	19.82	507.5	.1155
SDev	.124	2.682	.3624	.0845	1.135	.0011
%RSD	19.6	7.209	13.99	.4263	.2237	.9411

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	200400.	.0768	-.4015	-.2602	1.050	3299.
SDev	69.05	.1674	.4559	.3003	.328	3.162
%RSD	.0345	217.8	113.6	115.4	31.23	.0959

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2398.	59520.	65.16	5.598	169900.	.3824
SDev	10.9	24.94	.1226	.3402	161.9	.3483
%RSD	.4543	.0419	.1882	6.076	.0953	91.09

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2547	-2.069	1.208	-.4319	-.0955	-.6721
SDev	.2445	2.282	.7204	.0415	1.797	.0003
%RSD	95.98	110.3	59.63	9.604	1880	.0508

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3.351	-3.185	1.971	.0287	1.797	1.214
SDev	.0338	.0427	.3453	.7295	1.444	1.239
%RSD	1.008	1.342	17.51	2539	80.38	102.1

Elems	1960/2	*Y
Units	PPB	
Avge	-3.708	9040
SDev	2.803	11.3137
%RSD	75.59	.12515

Method: TOTAL Sample Name: 240-24881-b-6-a Operator:
 Run Time: 06/04/13 18:47 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.5357	4.844	3.387	26.44	239.1	.1495
SDev	.3674	1.415	.8066	.1101	.9238	.0045
%RSD	68.59	29.2	23.81	.4164	.3864	2.998

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	272700.	.0204	.1455	.9696	1.835	4770.
SDev	404.1	.0054	.1913	.3527	.1706	5.439
%RSD	.1482	26.43	131.5	36.37	9.297	.114

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	8845.	65790.	102.0	6.378	H1270e3	.9718
SDev	13.46	128.5	.331	.7438	4426	.6097
%RSD	.1522	.1954	.3247	11.66	.3486	62.74

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1219	-3.650	.2919	-.6175	3.579	-.6084
SDev	.1583	3.769	.5071	1.538	1.671	.1408
%RSD	129.9	103.2	173.7	249.1	46.7	23.15

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	6.882	-1.636	.9991	-.1528	.5139	.6598
SDev	.0455	.5062	.4901	2.283	.3794	3.602
%RSD	.6608	30.95	49.06	1494	73.83	545.9

Elems	1960/2	*Y
Units	PPB	
Avge	-5.802	8654
SDev	3.852	22.6274
%RSD	66.39	.26146

Method: TOTAL Sample Name: 240-24881-b-7-a Operator:
 Run Time: 06/04/13 18:53 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.7339	2.960	3.655	25.38	230.9	.1757
SDev	.3466	.5805	.3233	.049	.4398	.0001
%RSD	47.22	19.61	8.846	.1929	.1904	.0609

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	263900.	.0000	-.2015	.9110	2.178	4650.
SDev	178.2	.1193	.0951	.045	.2172	3.462
%RSD	.0675	676600	47.2	4.941	9.973	.0744

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	8540.	64000.	99.61	6.052	H1235e3	1.002
SDev	24.97	46.53	.1194	.1399	774.1	.5679
%RSD	.2924	.0727	.1199	2.311	.0627	56.69

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.6372	-2.708	1.256	-1.112	-.4359	-.4555
SDev	.2347	1.45	.0602	.608	2.114	.072
%RSD	36.83	53.56	4.794	54.69	485	15.8

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	6.133	-2.395	2.151	1.012	1.379	-1.634
SDev	.0528	.6591	.6809	1.653	.9156	2.402
%RSD	.8607	27.51	31.66	163.4	66.41	147

Elms	1960/2	*Y
Units	PPB	
Avge	-3.244	8634.25
SDev	.9753	1.06066
%RSD	30.07	.01228

Method: TOTAL Sample Name: 240-24881-b-8-a Operator:
 Run Time: 06/04/13 18:59 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.3289	1560.	3.356	15.42	195.1	.0969
SDev	.1669	.7478	.4955	.6006	.1881	.0005
%RSD	50.74	.0479	14.76	3.894	.0964	.5419

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	171300.	.0677	1.488	9.825	4.903	4694.
SDev	123.8	.0727	.2777	.1448	.0927	.9571
%RSD	.0723	107.5	18.66	1.474	1.891	.0204

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3392.	50720.	157.3	7.903	230400.	8.478
SDev	3.9	74.96	.0313	.9453	269.9	.5044
%RSD	.115	.1478	.0199	11.96	.1171	5.95

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2.464	-.8627	1.454	-.8658	2.543	3.468
SDev	.5904	1.755	.936	1.017	2.332	.2034
%RSD	23.97	203.5	64.35	117.5	91.71	5.864

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	46.12	-.5089	3.948	-.2091	2.285	2.571
SDev	.0234	1.741	.0158	3.2	3.001	4.983
%RSD	.0507	342.2	.4007	1530	131.3	193.8

Elms	1960/2	*Y
Units	PPB	
Avge	-2.577	8939.25
SDev	.1437	5.3033
%RSD	5.575	.05932

Method: TOTAL Sample Name: 240-24881-b-9-a Operator:
 Run Time: 06/04/13 19:05 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.3329	-8.698	1.179	14.70	295.0	.1849
SDev	.2727	1.537	.0566	.7244	1.098	.0014
%RSD	81.93	17.67	4.798	4.928	.3721	.7444

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	146100.	.0071	.0206	-.5115	8.961	3735.
SDev	564.5	.1388	.0925	.4566	.5571	10.89
%RSD	.3863	1946	448.1	89.25	6.217	.2916

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3960.	34370.	135.3	2.265	363700.	.3050
SDev	44.22	121.4	.4328	.7462	1779	.6298
%RSD	1.117	.3532	.3199	32.94	.4893	206.5

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.952	-1.512	.5414	-.5587	-.1184	-.2490
SDev	.7211	.6228	1.907	.0865	.915	.3493
%RSD	36.95	41.19	352.3	15.49	773.1	140.3

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	7.974	-1.657	3.753	1.237	.1943	1.455
SDev	.2547	1.505	.3298	1.482	2.12	2.835
%RSD	3.194	90.8	8.789	119.8	1091	194.8

Elms	1960/2	*Y
Units	PPB	
Avge	-2.993	8906
SDev	.4816	13.435
%RSD	16.09	.15085

Method: TOTAL Sample Name: mb 240-87632/1-a Operator:
 Run Time: 06/04/13 19:11 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.4771	-11.35	-.2469	-2.313	.8315	.1407
SDev	.165	1.103	1.394	.2917	.0003	.0003
%RSD	34.59	9.713	564.5	12.61	.0321	.1885

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	259.0	-.0106	.1253	-.5649	2.095	17.20
SDev	5.173	.0644	.091	.3838	.0052	4.572
%RSD	1.997	608.5	72.63	67.94	.2498	26.58

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	39.34	H159.4	1.329	-.4131	-988.1	-.0556
SDev	1.883	1.407	.0413	.1988	14.95	.4251
%RSD	4.786	.883	3.105	48.13	1.513	764.1

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2482	-2.259	1.408	-1.023	-1.403	-.2392
SDev	1.17	2.71	2.407	.0664	.7713	.137
%RSD	471.2	119.9	170.9	6.491	54.99	57.27

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H20.12	-.7837	.7631	2.829	.6995	2.079
SDev	.5015	1.832	2.668	.1259	3.547	.3091
%RSD	2.492	233.7	349.7	4.451	507	14.86

Elms	1960/2	*Y
Units	PPB	
Avge	-4.426	9065.5
SDev	3.908	2.82842
%RSD	88.31	.03119

Method: TOTAL Sample Name: CCV Operator:
 Run Time: 06/04/13 19:17 Filename: I60604B
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1029.	25530.	511.5	5176.	2075.	2083.
SDev	1.339	24.24	1.806	12.89	.9386	.0002
%RSD	.1301	.095	.3531	.2491	.0452	0

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	51440.	519.2	2095.	2085.	2080.	25900.
SDev	11.14	.1054	.8336	1.338	1.657	11.23
%RSD	.0217	.0203	.0398	.0642	.0797	.0434

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	52460.	51710.	2090.	2101.	50100.	2097.
SDev	29.3	7.11	.2836	26.08	29.09	.4872
%RSD	.0558	.0137	.0136	1.241	.0581	.0232

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	521.3	518.0	514.3	5201.	1041.	2058.
SDev	.1444	1.294	1.059	7.238	.0798	.0237
%RSD	.0277	.2497	.2059	.1392	.0077	.0011

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2114.	527.4	518.2	521.5	510.8	526.3
SDev	1.892	.2508	.3416	2.559	.3101	3.819
%RSD	.0895	.0476	.0659	.4906	.0607	.7256

Elms	1960/2	*Y
Units	PPB	
Avge	513.9	8996
SDev	3.846	10.6066
%RSD	.7484	.1179

Method: TOTAL Sample Name: CCB Operator:
 Run Time: 06/04/13 19:23 Filename: I60604B
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.4048	-6.941	-.0239	17.14	.0752	.2497
SDev	.6356	.7965	.1475	3.797	.1416	.0583
%RSD	157	11.48	617.8	22.16	188.3	23.37

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	7.751	.1606	.2542	.5431	.9056	3.588
SDev	1.161	.1515	.0899	1.569	.0994	.5864
%RSD	14.98	94.35	35.36	288.9	10.98	16.35

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	55.10	105.7	.1295	7.540	-234.0	1.058
SDev	45.18	1.897	.0203	3.684	715.4	1.997
%RSD	81.99	1.795	15.67	48.87	305.8	188.7

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.7643	1.756	-.6435	.3011	-.7306	-.2698
SDev	.6992	3.099	.6044	.5242	1.116	.0761
%RSD	91.48	176.5	93.92	174.1	152.8	28.21

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.3352	1.170	.5612	2.671	-2.299	2.012
SDev	.0379	.6566	.7204	1.318	.248	2.272
%RSD	11.3	56.1	128.4	49.34	10.79	112.9

Elms	1960/2	*Y
Units	PPB	
Avge	1.629	9122.25
SDev	3.512	.35355
%RSD	215.6	.00387

Method: TOTAL Sample Name: lcs 240-87632/2-a Operator:
 Run Time: 06/04/13 19:29 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	49.18	1945.	1950.	986.2	1983.	48.32
SDev	.4149	1.102	4.092	.2952	2.595	.1057
%RSD	.8437	.0567	.2098	.0299	.1309	.2187

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	48280.	49.23	494.5	196.1	249.8	978.0
SDev	72.79	.174	.7876	.3759	.0908	4.526
%RSD	.1508	.3533	.1593	.1917	.0363	.4628

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	50210.	48750.	502.2	977.1	49180.	501.6
SDev	7.137	101.8	.7231	16.92	2.293	.4623
%RSD	.0142	.2088	.144	1.732	.0047	.0922

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	494.2	2011.	476.1	1938.	1977.	491.5
SDev	.4818	2.951	.6513	4.086	.281	1.267
%RSD	.0975	.1468	.1368	.2108	.0142	.2577

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	531.8	485.3	498.7	488.7	469.8	2010.
SDev	23.98	.9537	1.198	2.581	.3124	3.921
%RSD	4.509	.1965	.2403	.5282	.0665	.1951

Elms	1960/2	*Y
Units	PPB	
Avge	2011.	9130.5
SDev	2.467	2.82842
%RSD	.1227	.03097

Method: TOTAL Sample Name: 240-24798-r-10-d Operator:
 Run Time: 06/04/13 19:35 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0297	-6.956	5.789	105.5	42.55	.1355
SDev	.3491	.9203	.0285	1.555	.1747	.0136
%RSD	1174	13.23	.4921	1.474	.4105	10.07

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	94890.	.1300	.3607	-.3555	1.341	1086.
SDev	60.26	.0828	.1811	.4239	.0882	2.649
%RSD	.0635	63.65	50.21	119.3	6.575	.244

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1666.	40420.	5.380	11.36	8742.	1.059
SDev	6.229	19.32	.0651	2.228	12.4	.2297
%RSD	.3739	.0478	1.211	19.62	.1418	21.7

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.2951	-2.686	-1.157	.3892	3.453	-.4247
SDev	.3824	.7062	.5839	1.243	.5742	.0051
%RSD	129.6	26.3	50.47	319.5	16.63	1.204

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5.850	-.7981	-.0443	-.7090	-1.381	1.231
SDev	.0597	1.202	1.173	1.815	.0305	.096
%RSD	1.02	150.6	2649	256	2.209	7.797

Elms	1960/2	*Y
Units	PPB	
Avge	-4.641	9119
SDev	1.107	7.07106
%RSD	23.85	.07754

Method: TOTAL Sample Name: SD 240-24798-r-10d@5 Operator:
 Run Time: 06/04/13 19:41 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1994	-6.941	-.4020	22.56	8.321	.1461
SDev	.3101	2.744	.1777	.5559	.0428	.0058
%RSD	155.5	39.53	44.21	2.465	.5147	3.94

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	18630.	.0131	-.0608	-.3829	1.239	217.9
SDev	6.358	.126	.0004	.0431	.1911	.7932
%RSD	.0341	960.1	.6846	11.25	15.42	.364

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	324.1	8005.	1.113	2.539	1459.	.1358
SDev	4.023	8.344	.0602	.3947	14.09	.0774
%RSD	1.241	.1042	5.411	15.54	.9657	57.02

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.385	-1.138	.9770	-.1656	-.3238	.0056
SDev	.3268	1.183	.7063	.9702	1.64	.0678
%RSD	23.59	103.9	72.3	585.7	506.6	1212

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	6.239	-.1827	2.168	.1020	1.414	-1.185
SDev	.1132	.9934	.006	2.787	.3322	1.605
%RSD	1.815	543.8	.2788	2731	23.5	135.5

Elms	1960/2	*Y
Units	PPB	
Avge	-1.115	9057
SDev	.9716	7.77817
%RSD	87.12	.08588

Method: TOTAL Sample Name: 240-24798-r-10-e ms Operator:
 Run Time: 06/04/13 19:47 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	55.87	2214.	2206.	1217.	2272.	54.03
SDev	5.891	238.2	229.6	127.5	236.4	5.722
%RSD	10.54	10.76	10.41	10.48	10.4	10.59

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	154200.	54.71	553.4	220.0	281.4	2220.
SDev	15120	5.708	57.52	23.36	29.83	239.8
%RSD	9.811	10.43	10.39	10.62	10.6	10.8

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	59630.	97240.	574.4	1122.	64590.	554.4
SDev	5565	10100	60.02	139.9	6153	58.31
%RSD	9.333	10.39	10.45	12.47	9.526	10.52

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	539.9	2226.	540.8	2195.	2234.	551.7
SDev	44.4	190.4	50.39	234.6	237.3	58.45
%RSD	8.223	8.554	9.318	10.68	10.62	10.6

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	571.3	539.4	540.2	558.7	531.9	2256.
SDev	59.43	48.37	42.42	52.73	49.22	195.7
%RSD	10.4	8.967	7.852	9.438	9.254	8.673

Elms	1960/2	*Y
Units	PPB	
Avge	2211.	8503
SDev	187.8	709.228
%RSD	8.494	8.34091

Method: TOTAL Sample Name: 240-24798-r-10-f msd Operator:
 Run Time: 06/04/13 19:53 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	52.96	2089.	2099.	1164.	2159.	51.35
SDev	.1274	.3763	8.861	2.239	.5132	.0114
%RSD	.2406	.018	.4222	.1924	.0238	.0223

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	147900.	52.04	526.7	210.0	268.5	2108.
SDev	8.231	.1642	.1362	.2807	.0573	3.914
%RSD	.0056	.3156	.0259	.1337	.0213	.1856

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	57140.	92800.	546.3	1073.	62120.	526.9
SDev	8.267	22.63	.0905	15.07	72.13	.514
%RSD	.0145	.0244	.0166	1.405	.1161	.0975

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	520.1	2152.	521.8	2089.	2127.	524.1
SDev	1.549	4.371	.2669	2.63	1.226	.1111
%RSD	.2979	.2031	.0511	.1259	.0576	.0212

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	546.4	521.3	519.5	538.5	513.5	2184.
SDev	.0296	3.101	.7741	1.446	1.122	13.9
%RSD	.0054	.5948	.149	.2685	.2185	.6362

Elms	1960/2	*Y
Units	PPB	
Avge	2136.	8922
SDev	.3843	21.2132
%RSD	.018	.23776

Method: TOTAL Sample Name: 240-24798-f-6-b Operator:
 Run Time: 06/04/13 19:59 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.3316	-1.105	5.678	159.2	30.31	.1987
SDev	.0405	.4833	.7281	.5068	.0912	.004
%RSD	12.22	43.72	12.82	.3184	.301	2.005

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	113000.	.0596	.4734	-.5924	1.339	1041.
SDev	531.1	.0639	.1825	.0439	.1716	8.024
%RSD	.4701	107.2	38.56	7.405	12.82	.771

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2164.	51700.	7.556	10.66	25490.	13.26
SDev	14.1	238.8	.073	2.143	38.91	.2491
%RSD	.6517	.4619	.9666	20.09	.1527	1.879

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1047	-1.049	-.2740	.1096	2.773	-.1357
SDev	.3786	.0935	.2507	.4813	1.73	.0041
%RSD	361.7	8.91	91.5	439	62.38	3.046

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	13.02	-1.880	1.095	-1.403	.2897	3.672
SDev	.0245	.0685	.5334	.3475	.5493	1.906
%RSD	.1884	3.646	48.71	24.77	189.6	51.9

Elms	1960/2	*Y
Units	PPB	
Avge	-3.406	9039.75
SDev	1.092	37.8302
%RSD	32.05	.41848

Method: TOTAL Sample Name: 240-24798-f-7-b Operator:
 Run Time: 06/04/13 20:05 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1520	-11.02	5.117	185.1	25.19	.2057
SDev	.5866	2.607	.5004	.1035	.0573	.0204
%RSD	385.9	23.67	9.78	.0559	.2277	9.914

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	102100.	-.0157	.4057	-.0370	8.962	1306.
SDev	394.9	.1501	.277	.65	.014	.1236
%RSD	.3867	954.6	68.28	1755	.1558	.0095

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2388.	63070.	13.04	10.48	18790.	2.412
SDev	2.243	170.9	.0078	.5444	16.24	.3152
%RSD	.0939	.2709	.0599	5.196	.0865	13.07

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.6148	-2.444	-1.685	-.9797	1.221	-.7268
SDev	.2872	1.935	.4871	.0065	1.016	.2783
%RSD	46.71	79.17	28.91	.6658	83.23	38.29

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	7.385	-.5992	1.221	-.9914	-2.031	.9340
SDev	.1059	.2841	.2886	1.718	.1277	1.647
%RSD	1.433	47.42	23.64	173.3	6.286	176.3

Elems	1960/2	*Y
Units	PPB	
Avge	-4.131	8931.25
SDev	2.079	5.3033
%RSD	50.33	.05937

Method: TOTAL Sample Name: 240-24798-f-8-b Operator:
 Run Time: 06/04/13 20:11 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.6387	-7.946	4.855	212.5	31.44	.1629
SDev	.3936	1.14	.0214	.4985	.0691	.0001
%RSD	61.63	14.34	.441	.2346	.2197	.0357

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	100900.	.0351	.2837	-.2140	1.361	876.4
SDev	28.3	.0556	.0912	.0214	.3071	6.802
%RSD	.028	158.4	32.16	9.995	22.57	.7761

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2021.	46480.	6.232	6.546	17560.	.6026
SDev	13.6	9.817	.0005	.3318	146.6	.3492
%RSD	.673	.0211	.0078	5.069	.8349	57.96

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.2410	-1.420	1.997	-.8194	-1.725	-.3357
SDev	.8671	.0539	.0202	.1838	.0401	.1363
%RSD	359.8	3.794	1.013	22.43	2.323	40.6

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	7.100	-2.397	.8350	-.3966	3.192	2.433
SDev	.1364	.3693	1.116	1.826	.9421	.2083
%RSD	1.921	15.41	133.6	460.5	29.52	8.56

Elms	1960/2	*Y
Units	PPB	
Avge	-3.344	9028.5
SDev	.1848	.7071
%RSD	5.525	.00783

Method: TOTAL Sample Name: 240-24798-f-9-b Operator:
 Run Time: 06/04/13 20:17 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.5216	-7.841	4.399	198.8	29.70	.1879
SDev	.1043	.6262	.8741	.1053	.0846	.0007
%RSD	20	7.987	19.87	.053	.2849	.3913

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	99160.	.0705	.0855	-.4680	1.473	749.4
SDev	92.75	.091	.0004	.3454	.0908	7.439
%RSD	.0935	129.2	.4689	73.81	6.16	.9926

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2233.	50990.	7.663	7.309	16280.	-.0012
SDev	16.28	57.5	.0145	.1404	16.75	.039
%RSD	.729	.1128	.1891	1.921	.1029	3235

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1784	-.9722	-.1477	-.9809	-.7305	-.5759
SDev	.2399	.5571	.2309	1.14	.359	.0693
%RSD	134.5	57.3	156.4	116.2	49.14	12.04

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	6.344	-2.081	1.306	-.9997	.2777	-.4755
SDev	.1024	.6905	.015	1.222	.9563	3.739
%RSD	1.615	33.18	1.149	122.2	344.3	786.2

Elms	1960/2	*Y
Units	PPB	
Avge	-1.220	8966
SDev	1.031	7.07106
%RSD	84.52	.07886

Method: TOTAL Sample Name: 240-24798-f-11-b Operator:
 Run Time: 06/04/13 20:23 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.2400	-14.24	.7710	62.85	68.22	.2312
SDev	.0398	1.793	.2979	1.266	.6767	.0061
%RSD	16.59	12.59	38.63	2.014	.9919	2.653

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	108100.	.1422	-.0790	-.3121	1.870	780.1
SDev	932.2	.0111	.2815	.0478	.2257	8.435
%RSD	.8626	7.834	356.4	15.32	12.07	1.081

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1362.	38140.	9.928	5.216	12180.	14.68
SDev	.965	353.7	.0314	.112	143.2	.3029
%RSD	.0709	.9271	.316	2.146	1.176	2.064

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0673	-2.668	.7131	-1.600	.1080	-.2871
SDev	.3476	1.066	1.134	.5226	.385	.2089
%RSD	516.8	39.95	159.1	32.66	356.7	72.78

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	7.424	-1.340	.7697	-.5014	1.319	.4362
SDev	.058	1.024	.0098	1.729	2.564	3.916
%RSD	.7818	76.43	1.275	344.8	194.3	897.8

Elms	1960/2	*Y
Units	PPB	
Avge	-4.217	8911.25
SDev	.3573	64.7003
%RSD	8.472	.72605

Method: TOTAL Sample Name: CCV Operator:
 Run Time: 06/04/13 20:29 Filename: I60604B
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1039.	25800.	518.3	5240.	2103.	2105.
SDev	12.04	356.4	4.657	86.39	31.97	28.48
%RSD	1.159	1.381	.8987	1.649	1.52	1.353

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	52040.	525.8	2116.	2106.	2102.	26180.
SDev	667.6	7.359	26.32	26.86	29.37	364.5
%RSD	1.283	1.4	1.244	1.276	1.397	1.393

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	52820.	52210.	2111.	2125.	50540.	2125.
SDev	527.6	665.5	27.89	54.75	567.1	30.38
%RSD	.9988	1.275	1.321	2.577	1.122	1.429

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	528.0	524.0	519.1	5256.	1052.	2080.
SDev	2.949	5.72	5.443	65.16	19.08	29.49
%RSD	.5585	1.091	1.049	1.24	1.814	1.418

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2135.	530.7	526.7	525.0	516.1	532.2
SDev	29.26	.8772	3.983	1.324	7.5	2.029
%RSD	1.37	.1653	.7563	.2521	1.453	.3813

Elms	1960/2	*Y
Units	PPB	
Avge	520.0	9007.75
SDev	7.562	71.0642
%RSD	1.454	.78892

Method: TOTAL Sample Name: CCB Operator:
 Run Time: 06/04/13 20:35 Filename: I60604B
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1277	-10.22	.5885	17.03	-.0249	.2304
SDev	.3295	.3581	.6773	3.774	.0711	.0006
%RSD	258.1	3.504	115.1	22.16	285.4	.244

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5.469	-.0826	.0612	-.2788	.6040	3.379
SDev	.2433	.0343	.1815	.0637	.2147	1.518
%RSD	4.448	41.47	296.5	22.84	35.54	44.94

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	26.34	105.1	.0728	7.244	Q-1028.	-.6005
SDev	8.782	1.035	.0205	3.892	400.3	.0389
%RSD	33.34	.9849	28.1	53.73	38.95	6.476

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.3470	-1.145	-.0927	.7665	-2.317	-.0294
SDev	1.284	.1255	.5611	.3929	2.979	.2811
%RSD	370.1	10.96	605.6	51.26	128.5	954.7

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.4246	.6904	.1752	.6351	-.4560	-1.515
SDev	.0273	1.006	1.423	1.348	.168	.9263
%RSD	6.439	145.7	812.3	212.3	36.85	61.14

Elms	1960/2	*Y
Units	PPB	
Avge	-.9601	9088
SDev	.2743	4.94974
%RSD	28.57	.05446

Method: TOTAL Sample Name: 240-24911-b-1-a Operator:
 Run Time: 06/04/13 20:41 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.4345	-13.71	6.959	161.8	41.26	.2347
SDev	.3924	2.607	.9058	.906	.0153	.003
%RSD	90.31	19.01	13.02	.5599	.0371	1.294

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	96070.	.3031	.3584	-.3218	2.048	1023.
SDev	137.7	.0639	.0003	.4254	.2559	2.366
%RSD	.1434	21.08	.0947	132.2	12.49	.2313

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1879.	43790.	6.261	8.312	10990.	.7649
SDev	12.16	82.72	.0417	.3602	142.1	.3461
%RSD	.6471	.1889	.6655	4.333	1.293	45.25

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2907	-2.386	.4727	-.5274	-1.346	-.2374
SDev	.0461	.2441	3.48	.0232	.6084	.138
%RSD	15.85	10.23	736.2	4.401	45.2	58.12

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	8.703	-1.988	1.428	-.3822	.8994	.4707
SDev	.005	.4546	.2961	2.552	3.943	1.738
%RSD	.0573	22.87	20.73	667.8	438.4	369.2

Elms	1960/2	*Y
Units	PPB	
Avge	-3.812	9049.25
SDev	.5017	27.9307
%RSD	13.16	.30865

Method: TOTAL Sample Name: 240-24941-j-2-a Operator:
 Run Time: 06/04/13 20:47 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.5046	48.25	1.282	309.0	19.32	.2967
SDev	.0647	3.638	.1347	2.091	.0723	.0095
%RSD	12.82	7.539	10.51	.6767	.3744	3.188

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H522500.	.0336	1.891	-.0675	3.023	217.1
SDev	49.59	.0589	.1016	.0863	.1445	4.627
%RSD	.0095	175.3	5.374	127.8	4.782	2.132

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	6345.	418800.	514.6	1.197	404500.	3.313
SDev	1.056	1195	1.133	.6371	915.9	.3393
%RSD	.0166	.2853	.2202	53.24	.2264	10.24

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.3849	-3.110	1.046	-5.849	.8930	-.8465
SDev	.0761	2.658	2.073	.0521	.002	.5769
%RSD	19.77	85.47	198.2	.8901	.228	68.16

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4.715	-2.386	1.768	-.8026	1.969	-1.123
SDev	.0923	1.352	.5611	2.173	4.193	6.968
%RSD	1.957	56.69	31.74	270.7	212.9	620.7

Elms	1960/2	*Y
Units	PPB	
Avge	-4.101	8594.5
SDev	.5058	34.6482
%RSD	12.33	.40314

Method: TOTAL Sample Name: 240-24941-j-6-a Operator:
 Run Time: 06/04/13 20:53 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0594	536.5	1.385	929.1	81.33	.2417
SDev	.2301	.5518	.1224	3.536	.0627	.0108
%RSD	387.2	.1029	8.835	.3805	.0771	4.478

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	419700.	.1430	.6568	6.317	6.996	2241.
SDev	217.9	.1414	.1835	.2751	.2595	7.053
%RSD	.0519	98.93	27.94	4.355	3.709	.3147

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5566.	37890.	68.33	3.938	86900.	2.094
SDev	20.23	40.14	.0765	.0781	54.36	.1997
%RSD	.3635	.106	.112	1.984	.0626	9.537

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.3847	-2.490	-1.441	-2.067	1.179	.5596
SDev	.2572	2.464	.9738	.583	.28	.2046
%RSD	66.88	98.97	67.6	28.21	23.75	36.56

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	20.07	-.2309	.6917	1.614	-2.966	3.846
SDev	.2911	.5918	.6811	.6132	1.766	3.724
%RSD	1.451	256.2	98.47	38	59.56	96.83

Elms	1960/2	*Y
Units	PPB	
Avge	-5.653	8984.75
SDev	1.835	20.8596
%RSD	32.47	.23216

Method: TOTAL Sample Name: 240-24941-j-7-a Operator:
 Run Time: 06/04/13 20:59 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0024	306.8	2.203	512.9	7.070	.3372
SDev	.3981	19.08	.4455	25.28	.4728	.0643
%RSD	16680	6.218	20.22	4.93	6.688	19.06

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H540700.	.0884	.5907	-.0540	3.614	362.9
SDev	18410	.0164	.0059	.0804	1.611	21.37
%RSD	3.405	18.53	.9934	148.9	44.58	5.889

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	10280.	399000.	35.66	.9902	115700.	1.905
SDev	505.1	19820	1.882	.7844	5475	.4054
%RSD	4.913	4.967	5.277	79.22	4.731	21.28

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0554	-2.213	-1.240	-5.008	.2085	-.2829
SDev	.3626	.5131	2.456	.2244	1.777	.2228
%RSD	654.1	23.18	198	4.48	852	78.75

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	8.645	-1.972	.9010	.3872	-2.053	-1.902
SDev	.2562	1.279	.0948	.7958	3.285	3.172
%RSD	2.963	64.86	10.53	205.5	160	166.7

Elms	1960/2	*Y
Units	PPB	
Avge	-2.369	8476.5
SDev	2.353	337.29
%RSD	99.32	3.97911

Method: TOTAL Sample Name: 240-24941-j-10-a Operator:
 Run Time: 06/04/13 21:05 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.4834	7.672	.5736	562.4	30.74	.2482
SDev	.7473	1.33	.0717	1.104	.2565	.0141
%RSD	154.6	17.34	12.51	.1963	.8345	5.694

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	81200.	.0568	.0887	.2114	3.656	300.2
SDev	58.24	.0809	.3657	.3231	.018	5.267
%RSD	.0717	142.5	412.4	152.9	.493	1.755

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5698.	58760.	48.75	-.7867	54420.	-.0561
SDev	1.307	23.41	.0547	.0668	146.7	.1167
%RSD	.0229	.0398	.1123	8.484	.2696	208

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0887	-2.460	-1.156	-2.026	3.133	-.4877
SDev	1.026	.261	2.343	.0954	.3363	.3435
%RSD	1157	10.61	202.7	4.708	10.74	70.43

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	9.227	-1.557	.6440	-2.159	-.6553	.2964
SDev	.1241	3.552	.2346	2.311	4.666	.5332
%RSD	1.345	228.1	36.42	107.1	712.1	179.9

Elems	1960/2	*Y
Units	PPB	
Avge	-3.836	9010.75
SDev	.6575	8.83883
%RSD	17.14	.09809

Method: TOTAL Sample Name: 240-24941-j-11-a Operator:
 Run Time: 06/04/13 21:10 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.4184	1912.	1.061	86.41	10.33	.2558
SDev	.4768	6.841	.275	.3692	.0346	.0001
%RSD	114	.3578	25.91	.4273	.3348	.0516

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	93560.	-.0187	1.038	5.967	10.77	2196.
SDev	99.25	.1346	.2745	.4061	.0023	5.446
%RSD	.1061	721.4	26.45	6.806	.0216	.2479

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2043.	63890.	101.1	.0128	38530.	4.803
SDev	2.783	85.43	.0291	1.331	37.11	.3101
%RSD	.1363	.1337	.0288	10370	.0963	6.455

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.331	-1.881	.1802	-1.979	3.491	2.635
SDev	.69	1.721	1.25	.162	2.043	.134
%RSD	51.83	91.48	693.9	8.187	58.52	5.087

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	23.37	-1.425	2.707	-.3038	.4219	-.4873
SDev	.0312	.6248	.7225	.1313	1.94	.0681
%RSD	.1335	43.85	26.69	43.21	459.9	13.98

Elems	1960/2	*Y
Units	PPB	
Avge	-2.578	9022.25
SDev	2.615	1.06066
%RSD	101.4	.01175

Method: TOTAL Sample Name: 240-24944-e-1-b Operator:
 Run Time: 06/04/13 21:16 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0266	-12.11	1.504	90.46	11.56	.3114
SDev	.0638	1.57	.6448	.8079	.0584	.0219
%RSD	240.2	12.96	42.86	.8931	.5053	7.025

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H532700.	1.146	4.493	.4351	2.617	2650.
SDev	561.7	.0208	.1846	.0018	.3456	19.95
%RSD	.1054	1.819	4.108	.4142	13.21	.7528

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5725.	352400.	3227.	40.18	90110.	8.395
SDev	10.38	488.7	3.47	.057	9.065	.9175
%RSD	.1813	.1387	.1075	.1418	.0101	10.93

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.3306	-4.440	-1.076	-6.101	4.748	-.9484
SDev	.221	1.919	.1781	.2271	3.473	.3559
%RSD	66.84	43.23	16.55	3.722	73.14	37.52

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	13.80	-.0250	.5080	-.1655	-1.531	2.170
SDev	.1359	.4948	.0842	1.013	.2388	4.878
%RSD	.9847	1979	16.57	612.3	15.61	224.8

Elms	1960/2	*Y
Units	PPB	
Avge	-7.740	8672
SDev	.4421	12.0208
%RSD	5.712	.13861

Method: TOTAL Sample Name: 240-24944-e-2-b Operator:
 Run Time: 06/04/13 21:22 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1082	24.96	.5733	64.04	12.27	.4460
SDev	.1824	4.213	.2675	.0408	.1025	.0042
%RSD	168.6	16.88	46.66	.0637	.8353	.9321

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	214000.	.9987	60.36	4.499	1.859	651.5
SDev	113	.0696	.2068	.3714	.2552	8.012
%RSD	.0528	6.969	.3426	8.253	13.73	1.23

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1217.	91570.	15030.	-.9267	9735.	146.5
SDev	4.579	121.4	24.43	.8076	1.916	.8697
%RSD	.3763	.1326	.1625	87.15	.0197	.5937

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2.236	-3.114	-2.059	-3.890	-4.547	-.6925
SDev	.6498	.4894	2.516	.04	7.267	.2075
%RSD	29.06	15.72	122.2	1.027	159.8	29.97

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	145.6	.8800	2.913	.1318	-3.153	3.482
SDev	.2407	.1482	.9003	1.963	2.792	2.658
%RSD	.1653	16.84	30.9	1489	88.54	76.32

Elms	1960/2	*Y
Units	PPB	
Avge	-6.407	8918.25
SDev	2.061	30.7591
%RSD	32.16	.3449

Method: TOTAL Sample Name: 240-24944-e-3-b Operator:
 Run Time: 06/04/13 21:28 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1738	.4182	1.622	70.54	14.52	.2218
SDev	.5324	1.183	.1154	.1193	.0852	.0186
%RSD	306.3	282.9	7.112	.1691	.5871	8.381

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	33630.	.3778	1.476	-.1501	2.763	11.62
SDev	224.3	.0095	.0061	.4263	.0993	1.781
%RSD	.667	2.513	.4101	284	3.595	15.32

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1492.	15980.	873.0	-.2335	45440.	12.51
SDev	16.1	114.1	6.026	.0695	313.8	.0033
%RSD	1.08	.7139	.6902	29.77	.6906	.0261

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.2388	-2.466	.5181	-1.070	-1.876	-.2394
SDev	.0179	2.519	1.525	.1751	.5848	.1358
%RSD	7.499	102.1	294.3	16.36	31.17	56.72

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	40.74	-2.633	.9564	-.2455	.8993	-1.485
SDev	.0848	1.348	.6997	2.99	3.779	3.182
%RSD	.208	51.18	73.16	1218	420.2	214.2

Elms	1960/2	*Y
Units	PPB	
Avge	-2.956	9169
SDev	2.188	53.7401
%RSD	74.02	.5861

Method: TOTAL Sample Name: 240-24944-e-4-b Operator:
 Run Time: 06/04/13 21:34 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.3269	-11.60	.8025	258.9	12.64	.2618
SDev	.0853	.5876	.6379	2.031	.0634	.0213
%RSD	26.1	5.065	79.49	.7846	.5015	8.122

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	281000.	.7902	13.19	1.135	3.094	-10.30
SDev	2351	.1284	.0854	.1901	.4548	2.996
%RSD	.8368	16.25	.6478	16.76	14.7	29.08

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3948.	89180.	3781.	-.0693	106000.	16.13
SDev	33.61	837.7	32.87	.1283	1022	.5208
%RSD	.8511	.9394	.8694	185	.9639	3.228

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.8970	-.7000	.8252	-2.377	-.5602	-.9740
SDev	.5936	.4227	2.926	1.15	1.336	.2036
%RSD	66.17	60.38	354.5	48.35	238.4	20.9

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	36.96	-.2294	1.459	.4280	1.023	2.367
SDev	.4585	1.589	1.683	.1249	4.324	6.672
%RSD	1.241	692.5	115.3	29.18	422.5	281.8

Elms	1960/2	*Y
Units	PPB	
Avge	-2.231	8891
SDev	2.697	70.0036
%RSD	120.9	.78735

Method: TOTAL Sample Name: CCV Operator:
 Run Time: 06/04/13 21:40 Filename: I60604B
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1031.	25580.	507.6	5179.	2069.	2074.
SDev	.1346	5.867	.7854	10.77	.2881	1.293
%RSD	.0131	.0229	.1547	.208	.0139	.0624

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	51560.	519.7	2100.	2094.	2084.	26000.
SDev	85.98	.305	2.374	3.003	.9428	34.5
%RSD	.1668	.0587	.1131	.1434	.0452	.1327

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	52490.	51760.	2089.	2121.	49970.	2093.
SDev	44.23	69.65	1.922	28.77	40.6	1.684
%RSD	.0843	.1346	.092	1.357	.0812	.0804

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	520.4	522.0	514.3	5223.	1042.	2061.
SDev	.6971	.7109	.5082	8.603	9.892	.9037
%RSD	.134	.1362	.0988	.1647	.9494	.0438

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2117.	530.4	515.5	525.1	509.0	536.4
SDev	1.499	1.939	2.013	.2318	.6462	1.592
%RSD	.0708	.3656	.3906	.0441	.127	.2968

Elms	1960/2	*Y
Units	PPB	
Avge	514.8	9022
SDev	1.861	10.6066
%RSD	.3614	.11756

Method: TOTAL Sample Name: CCB Operator:
 Run Time: 06/04/13 21:46 Filename: I60604B
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0139	-12.90	.2692	17.16	.1001	.2810
SDev	.4502	4.152	.3763	3.369	.1768	.0895
%RSD	3245	32.18	139.8	19.63	176.6	31.87

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	11.25	-.0616	.1906	-.5665	1.256	3.379
SDev	2.998	.0278	.362	.338	.0147	.3282
%RSD	26.65	45.13	190	59.67	1.173	9.714

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	34.77	107.6	.1436	6.885	-761.3	-.2179
SDev	9.548	2.921	.1619	2.77	59.22	.1154
%RSD	27.46	2.714	112.8	40.23	7.778	52.95

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.7041	-1.825	1.343	.9323	-1.651	.2082
SDev	.0688	.0714	.471	.0107	.353	.4681
%RSD	9.771	3.914	35.06	1.154	21.38	224.9

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.8879	-.5478	1.329	-.9833	2.505	-2.385
SDev	.1043	.2396	.0164	.4661	.9389	2.085
%RSD	11.75	43.73	1.238	47.4	37.48	87.43

Elms	1960/2	*Y
Units	PPB	
Avge	-1.545	9128
SDev	1.148	9.19238
%RSD	74.29	.1007

Method: TOTAL Sample Name: 240-24944-e-5-b Operator:
 Run Time: 06/04/13 21:52 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2674	-14.17	-.1248	200.2	56.96	.3227
SDev	.093	1.053	1.068	.0538	.532	.0518
%RSD	34.77	7.431	856	.0269	.9341	16.06

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	463200.	.2436	.4383	.5432	1.976	806.7
SDev	4175	.0216	.0923	.0165	.1225	6.827
%RSD	.9013	8.88	21.06	3.036	6.196	.8462

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3522.	154700.	2556.	2.774	20460.	.7993
SDev	29.93	1649	27.47	.6303	63.16	.6187
%RSD	.85	1.066	1.075	22.72	.3087	77.41

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0619	-1.751	-1.517	-1.931	2.129	-.7366
SDev	.0043	1.419	1.024	.1851	2.576	.2832
%RSD	6.973	81.04	67.52	9.588	121	38.45

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	14.86	-1.408	.7953	-2.245	-1.153	-.3972
SDev	.0977	1.267	.6262	.9549	2.012	1.386
%RSD	.6575	90.02	78.74	42.53	174.5	349

Elms	1960/2	*Y
Units	PPB	
Avge	-2.426	8933
SDev	2.819	100.409
%RSD	116.2	1.12402

Method: TOTAL Sample Name: 240-24944-e-6-b Operator:
 Run Time: 06/04/13 21:58 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0445	-15.48	.4051	200.4	16.50	.3620
SDev	.4473	1.246	.761	.3662	.0586	.0052
%RSD	1006	8.05	187.8	.1827	.3551	1.442

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	430500.	.1131	8.149	2.492	2.372	972.9
SDev	570.3	.0734	.1977	.356	.1284	2.838
%RSD	.1325	64.93	2.426	14.29	5.411	.2917

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3448.	184700.	8481.	7.268	59580.	13.05
SDev	24.58	219.6	8.592	.1255	75.28	.0571
%RSD	.713	.1189	.1013	1.727	.1264	.4371

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.5454	-4.485	.8816	-2.462	.4130	-1.331
SDev	1.685	.678	.5398	.068	.8984	.1423
%RSD	308.9	15.12	61.23	2.762	217.5	10.7

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	10.55	-1.930	1.781	1.517	.5645	1.967
SDev	.1527	1.292	1.881	1.121	1.369	1.081
%RSD	1.448	66.92	105.6	73.93	242.6	54.96

Elms	1960/2	*Y
Units	PPB	
Avge	-7.707	8803.25
SDev	.4768	11.6673
%RSD	6.187	.13253

Method: TOTAL Sample Name: 240-24944-e-7-b Operator:
 Run Time: 06/04/13 22:04 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.8299	-10.07	.6058	201.0	11.74	.3059
SDev	1.43	4.04	.6681	1.111	.204	.0118
%RSD	172.4	40.14	110.3	.5527	1.738	3.856

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H519900.	.3178	7.013	2.651	2.541	29.83
SDev	1484	.0511	.9159	.4604	.2375	.438
%RSD	.2854	16.08	13.06	17.36	9.344	1.468

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	6583.	391000.	9007.	6.373	174300.	9.744
SDev	12.05	1934	37.62	.7919	587.1	.1954
%RSD	.1831	.4947	.4177	12.43	.3368	2.005

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.6144	-2.763	-3.674	-4.995	3.366	-.9747
SDev	.6563	.6492	3.644	.4765	4.362	.36
%RSD	106.8	23.5	99.19	9.539	129.6	36.94

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	16.62	1.865	-.0102	.8052	-5.910	10.82
SDev	.0276	3.986	2.974	3.153	7.037	4.141
%RSD	.1663	213.7	29300	391.6	119.1	38.26

Elems	1960/2	*Y
Units	PPB	
Avge	-9.546	8717.5
SDev	3.041	41.0122
%RSD	31.86	.47045

Method: TOTAL Sample Name: 240-24944-e-8-b Operator:
 Run Time: 06/04/13 22:10 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1226	-14.60	-.3932	193.7	54.13	.2487
SDev	.3424	.0686	.129	10.72	2.946	.0446
%RSD	279.2	.4696	32.81	5.532	5.443	17.95

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	454800.	.0838	-.0714	.7313	1.186	648.7
SDev	21230	.0118	.2496	.4574	.9193	38.95
%RSD	4.667	14.06	349.7	62.55	77.49	6.005

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3442.	151500.	2544.	1.075	20480.	.5663
SDev	162.1	8728	146.3	.1086	1023	.2069
%RSD	4.709	5.759	5.75	10.1	4.997	36.54

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0310	-.8682	-.5089	-2.263	-1.536	-.7262
SDev	.8565	1.066	.789	.0031	2.714	.1181
%RSD	2761	122.8	155	.137	176.7	16.27

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	10.51	-.6933	.2993	.6614	-1.093	4.646
SDev	.6364	1.639	.4658	.9331	.717	1.202
%RSD	6.053	236.4	155.6	141.1	65.59	25.88

Elms	1960/2	*Y
Units	PPB	
Avge	-3.621	9098.75
SDev	.9985	405.526
%RSD	27.57	4.45693

Method: TOTAL Sample Name: mb 240-87583/1-a Operator:
 Run Time: 06/04/13 22:16 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1657	-17.19	.8424	1.109	.6312	.2670
SDev	.7845	2.347	.7561	.4032	.0009	.0052
%RSD	473.5	13.65	89.75	36.34	.1421	1.936

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	208.2	.0817	.5114	-.4132	4.012	13.73
SDev	4.53	.0619	.0912	.0849	.026	4.602
%RSD	2.175	75.74	17.83	20.54	.6481	33.51

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	43.07	H156.4	.4930	-.6937	-941.1	-.2471
SDev	2.007	.2527	.0826	.1987	281.8	.3093
%RSD	4.659	.1616	16.76	28.64	29.94	125.2

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.9663	-3.110	-1.198	-1.601	-.5314	-.0943
SDev	.2374	4.528	1.31	1.756	1.754	.3419
%RSD	24.56	145.6	109.4	109.7	330.1	362.8

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	10.33	1.488	.7053	.6851	-2.138	1.159
SDev	.1483	1.38	1.045	1.213	2.57	5.47
%RSD	1.436	92.74	148.2	177	120.2	471.8

Elms	1960/2	*Y
Units	PPB	
Avge	-5.241	9049.25
SDev	4.057	12.3744
%RSD	77.41	.13674

Method: TOTAL Sample Name: lcs 240-87583/2-a Operator:
 Run Time: 06/04/13 22:22 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	48.74	1939.	1918.	977.2	1960.	48.07
SDev	.0761	.5106	7.052	3.623	2.533	.0076
%RSD	.1561	.0263	.3677	.3708	.1293	.0158

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	48600.	49.29	496.4	197.9	250.6	977.2
SDev	26.23	.1413	.1717	.148	.5884	5.169
%RSD	.054	.2867	.0346	.0748	.2348	.5289

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	50200.	49090.	501.8	988.3	49220.	498.0
SDev	76.15	45.88	.2959	17.31	14.1	.6314
%RSD	.1517	.0935	.059	1.751	.0287	.1268

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	488.5	2004.	473.2	1952.	1992.	491.6
SDev	.7405	4.783	.8825	2.677	7.894	.1018
%RSD	.1516	.2387	.1865	.1372	.3964	.0207

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	514.7	496.0	484.7	495.0	462.4	2057.
SDev	.0568	.4949	.8632	3.516	.4324	.5352
%RSD	.011	.0998	.1781	.7103	.0935	.026

Elms	1960/2	*Y
Units	PPB	
Avge	1977.	9068.25
SDev	6.903	21.5667
%RSD	.3492	.23782

Method: TOTAL Sample Name: 240-24779-j-13-a Operator:
 Run Time: 06/04/13 22:28 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.3648	-9.065	.3491	129.2	102.2	.2322
SDev	.6187	3.293	.2378	2.074	.4187	.0138
%RSD	169.6	36.33	68.12	1.605	.4096	5.94

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	7988.	.1169	.6763	52.98	1.502	-.6161
SDev	6.018	.0897	.3635	.2336	.1911	.2739
%RSD	.0753	76.67	53.75	.4408	12.72	44.45

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1880.	3961.	31.73	4.077	30030.	4.832
SDev	2.206	6.82	.0656	1.915	104.7	.2354
%RSD	.1173	.1722	.2068	46.96	.3485	4.872

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.4137	.1097	.9555	-.5273	1.130	-.1324
SDev	.8528	.288	.0292	.4012	2.083	.0041
%RSD	206.1	262.4	3.057	76.09	184.4	3.13

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	8.894	-.7583	.9984	-.8107	1.837	2.665
SDev	.0869	1.195	.6822	.5938	.3402	1.413
%RSD	.9772	157.5	68.32	73.24	18.52	53.02

Elems	1960/2	*Y
Units	PPB	
Avge	-1.166	9071.5
SDev	.2736	7.07106
%RSD	23.47	.07794

Method: TOTAL Sample Name: SD 240-24779-j-13a@5 Operator:
 Run Time: 06/04/13 22:34 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.4325	-12.92	1.669	26.48	20.87	.2738
SDev	.0189	2.004	.8487	.4009	.6166	.0148
%RSD	4.361	15.51	50.85	1.514	2.954	5.397

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1707.	-.0350	.2030	10.60	1.954	4.366
SDev	47.14	.1463	.1901	.3923	.3498	4.372
%RSD	2.761	417.4	93.67	3.7	17.9	100.1

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	377.7	903.0	6.673	.5099	6210.	.8607
SDev	10.23	21.35	.183	.8385	254	.0174
%RSD	2.707	2.364	2.742	164.4	4.09	2.02

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.6361	-2.995	1.120	-.7054	-.0403	.2065
SDev	.5535	2.529	.0213	.1422	.2657	.0563
%RSD	87.01	84.43	1.9	20.16	659.7	27.27

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	8.263	-1.982	1.943	-.6822	2.020	-4.287
SDev	.1883	.3132	.9862	.6049	.3339	4.339
%RSD	2.279	15.8	50.76	88.67	16.53	101.2

Elms	1960/2	*Y
Units	PPB	
Avge	-2.350	8908.75
SDev	1.625	185.616
%RSD	69.14	2.08351

Method: TOTAL Sample Name: 240-24779-j-13-b ms Operator:
 Run Time: 06/04/13 22:40 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	52.58	2060.	2059.	1172.	2189.	51.12
SDev	.2316	3.967	5.962	4.919	3.924	.0032
%RSD	.4405	.1926	.2896	.4196	.1792	.0063

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	59510.	52.42	529.0	263.9	266.0	1045.
SDev	7.637	.1113	.0695	.1664	.4186	1.605
%RSD	.0128	.2123	.0131	.063	.1573	.1535

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	55760.	56000.	568.9	1061.	81680.	533.5
SDev	52.22	11.02	.3747	14.81	300	.322
%RSD	.0936	.0197	.0659	1.395	.3673	.0603

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	518.7	2118.	512.3	2100.	2129.	520.7
SDev	.9267	6.223	1.046	1.65	1.045	.4874
%RSD	.1787	.2937	.2042	.0786	.0491	.0936

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	545.9	527.5	514.3	533.6	501.6	2180.
SDev	.1706	1.065	.8576	.0293	1.554	7.764
%RSD	.0313	.2019	.1668	.0055	.3098	.3562

Elms	1960/2	*Y
Units	PPB	
Avge	2088.	9039
SDev	5.453	2.82842
%RSD	.2612	.03129

Method: TOTAL Sample Name: 240-24779-j-13-c msd Operator:
 Run Time: 06/04/13 22:46 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	52.90	2064.	2075.	1182.	2203.	51.28
SDev	.2768	1.139	2.584	.7344	2.041	.0706
%RSD	.5232	.0552	.1245	.0621	.0927	.1376

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	59490.	52.68	529.5	262.1	266.3	1052.
SDev	43.15	.034	.1456	.1818	.1192	.0927
%RSD	.0725	.0645	.0275	.0694	.0447	.0088

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	55770.	56000.	569.5	1064.	81490.	536.2
SDev	138.7	61.58	.7572	11.54	161.1	.8583
%RSD	.2486	.11	.133	1.085	.1977	.1601

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	522.3	2134.	513.5	2103.	2138.	522.7
SDev	2.509	5.561	2.424	.8744	2.239	1.11
%RSD	.4804	.2606	.4721	.0416	.1047	.2124

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	548.4	526.9	520.0	532.6	504.0	2180.
SDev	.5273	1.995	4.758	.0205	3.624	.9583
%RSD	.0961	.3786	.915	.0039	.7191	.044

Elms	1960/2	*Y
Units	PPB	
Avge	2112.	9076.75
SDev	7.859	19.4454
%RSD	.3722	.21423

Method: TOTAL Sample Name: CCV Operator:
 Run Time: 06/04/13 22:52 Filename: I60604B
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1032.	25620.	509.7	5186.	2071.	2075.
SDev	1.525	31.41	1.174	.2617	6.215	3.711
%RSD	.1478	.1226	.2304	.005	.3001	.1789

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	51680.	520.1	2101.	2097.	2089.	26050.
SDev	16.68	1.12	1.905	1.461	3.355	33.55
%RSD	.0323	.2153	.0906	.0697	.1606	.1288

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	52640.	51810.	2092.	2130.	50110.	2094.
SDev	55.6	2.221	1.42	19.8	111.2	3.941
%RSD	.1056	.0043	.0679	.9296	.2219	.1882

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	518.8	518.8	515.1	5233.	1052.	2066.
SDev	.0335	1.893	1.474	.3173	.2506	2.83
%RSD	.0065	.3649	.2862	.0061	.0238	.137

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2119.	533.3	511.6	529.8	507.8	536.0
SDev	2.793	.4414	.1701	1.453	1.485	.4162
%RSD	.1318	.0828	.0333	.2744	.2924	.0776

Elms	1960/2	*Y
Units	PPB	
Avge	510.3	8995.75
SDev	2.631	2.47487
%RSD	.5155	.02751

Method: TOTAL Sample Name: CCB Operator:
 Run Time: 06/04/13 22:58 Filename: I60604B
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.4183	-16.90	.4253	21.01	.0758	.3098
SDev	.4535	.3529	.7517	4.551	.0713	.0086
%RSD	108.4	2.089	176.8	21.67	94.16	2.775

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	11.77	.0131	-.0034	-.5190	1.779	-1.797
SDev	.1782	.0794	.0901	.1475	.2341	2.163
%RSD	1.514	607.7	2680	28.43	13.16	120.4

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	18.10	103.3	.0875	8.474	Q-1151.	-.7376
SDev	5.103	2.591	.0004	4.316	14.75	.0757
%RSD	28.19	2.509	.4443	50.93	1.281	10.27

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.4704	-2.050	1.389	1.408	-.4113	-.0750
SDev	.3633	1.211	2.25	1.552	2.229	.6038
%RSD	77.23	59.06	161.9	110.2	541.9	805

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.9001	-.7313	1.070	-.6387	2.402	-2.530
SDev	.0509	3.328	1.117	.5049	3.625	3.227
%RSD	5.651	455.1	104.4	79.06	150.9	127.5

Elms	1960/2	*Y
Units	PPB	
Avge	-1.810	9077.25
SDev	3.426	17.3241
%RSD	189.3	.19085

Method: TOTAL Sample Name: 190-858-b-1-a Operator:
 Run Time: 06/04/13 23:04 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.2314	754.0	4.476	H82280.	40.08	.1969
SDev	.656	44.6	.6187	4419	2.17	.0246
%RSD	283.5	5.915	13.82	5.371	5.415	12.49

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	23260.	.1200	40.71	3.409	3.505	1775.
SDev	1118	.0671	1.969	.1293	.6264	97.43
%RSD	4.808	55.94	4.837	3.792	17.87	5.489

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	20970.	23220.	641.3	45.66	H660800.	10.29
SDev	1019	1142	32.16	2.12	28880	.9936
%RSD	4.859	4.921	5.015	4.643	4.37	9.658

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.581	-1.838	3.563	10.50	3.771	1.058
SDev	.0809	.8105	1.74	.6436	1.668	.2626
%RSD	5.116	44.1	48.84	6.129	44.23	24.81

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	9.529	.0487	2.346	1.826	4.431	9.054
SDev	.4577	1.079	.66	.7826	3	.8739
%RSD	4.803	2218	28.14	42.86	67.71	9.653

Elms	1960/2	*Y
Units	PPB	
Avge	-7.276	8972.75
SDev	.7789	356.735
%RSD	10.71	3.97576

Method: TOTAL Sample Name: 240-24764-g-3-b Operator:
 Run Time: 06/04/13 23:10 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.7328	2051.	1.348	462.8	57.38	.0633
SDev	.0618	4.918	1.748	80.14	.0623	.0394
%RSD	8.438	.2397	129.7	17.32	.1086	62.26

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	115400.	.0835	1.466	8.335	25.60	4831.
SDev	126.8	.0103	.2728	.6425	.2231	2.228
%RSD	.1099	12.39	18.61	7.708	.8715	.0461

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3796.	19840.	56.26	4.348	4036.	3.433
SDev	14.11	28.65	.1281	.2006	68.05	.1943
%RSD	.3717	.1444	.2277	4.613	1.686	5.66

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2.925	1.145	2.229	-.2317	2.957	14.91
SDev	.2767	.4625	1.736	.8832	3.009	.0076
%RSD	9.458	40.4	77.86	381.3	101.8	.0507

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	28.19	.0201	4.376	.2997	3.192	1.464
SDev	.039	1.972	.5695	3.621	4.41	1.49
%RSD	.1383	9822	13.02	1208	138.1	101.7

Elms	1960/2	*Y
Units	PPB	
Avge	.9854	9090
SDev	.0503	4.24264
%RSD	5.105	.04667

Method: TOTAL Sample Name: 240-24764-g-4-b Operator:
 Run Time: 06/04/13 23:16 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.8039	40710.	8.683	545.7	370.4	-2.301
SDev	.7447	18.88	2.271	15.83	.8579	.0067
%RSD	92.64	.0464	26.15	2.901	.2316	.2918

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	405900.	.6869	28.83	67.94	61.49	48170.
SDev	842.2	.0812	.1155	.3989	.3163	21.32
%RSD	.2075	11.82	.4006	.5871	.5144	.0443

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	11830.	146100.	1024.	1.656	14990.	58.16
SDev	5.357	50.22	.7081	.3428	82.38	.6505
%RSD	.0453	.0344	.0691	20.7	.5496	1.118

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	18.83	5.619	6.281	-7.529	-.0930	126.0
SDev	.3227	1.56	.3415	1.214	3.536	.0194
%RSD	1.714	27.76	5.438	16.13	3802	.0154

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	136.9	17.63	19.43	1.980	8.428	9.678
SDev	.1572	.3391	.3146	.8657	.9443	1.198
%RSD	.1148	1.924	1.619	43.72	11.2	12.38

Elms	1960/2	*Y
Units	PPB	
Avge	3.593	9037
SDev	2.937	37.4766
%RSD	81.74	.4147

Method: TOTAL Sample Name: 240-24764-g-5-b Operator:
 Run Time: 06/04/13 23:22 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.7334	36990.	7.354	488.7	356.5	-2.035
SDev	.3679	60.68	.0957	3.926	1.273	.0007
%RSD	50.17	.1641	1.301	.8033	.3573	.0326

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	371500.	.4671	26.62	59.75	56.61	43630.
SDev	61.28	.0643	.1045	.1996	.0657	27.04
%RSD	.0165	13.76	.3927	.334	.116	.062

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	10950.	137400.	938.8	2.041	14930.	52.45
SDev	47.17	16.82	.492	.2639	96.92	.4332
%RSD	.4306	.0122	.0524	12.93	.6491	.8259

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	18.62	8.556	4.109	-7.332	.7712	115.5
SDev	.666	1.775	.4115	.3098	3.994	.2618
%RSD	3.578	20.74	10.01	4.226	517.8	.2266

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	123.4	15.54	20.15	.0605	6.130	11.74
SDev	.0905	1.776	.1116	.7203	.9765	2.023
%RSD	.0733	11.43	.5539	1191	15.93	17.24

Elms	1960/2	*Y
Units	PPB	
Avge	6.969	9148.25
SDev	1.651	4.59619
%RSD	23.69	.05024

Method: TOTAL Sample Name: 240-24779-d-1-a Operator:
 Run Time: 06/04/13 23:28 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.2774	-5.973	4.645	192.1	107.2	.1981
SDev	.2668	1.267	.1067	3.09	.2209	.0147
%RSD	96.16	21.21	2.297	1.609	.2061	7.423

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	9795.	-.0065	3.619	-.5670	1.465	3936.
SDev	10.05	.0524	.1862	.3816	.3363	.4395
%RSD	.1026	805.5	5.144	67.29	22.96	.0112

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2593.	5323.	311.1	.5586	30040.	3.959
SDev	13.92	5.602	.0635	.26	97.94	.506
%RSD	.5367	.1052	.0204	46.55	.3261	12.78

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0360	-1.052	-.9855	-.6798	2.456	-.1642
SDev	.5711	.7901	1.105	.2729	.2435	.3389
%RSD	1586	75.14	112.1	40.14	9.914	206.4

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	10.94	-.3121	.2098	1.283	-2.118	6.290
SDev	.0198	1.422	1.566	.5994	1.357	2.381
%RSD	.1812	455.6	746.5	46.73	64.09	37.85

Elms	1960/2	*Y
Units	PPB	
Avge	-4.717	9133.75
SDev	.004	17.3241
%RSD	.0856	.18967

Method: TOTAL Sample Name: 240-24779-d-2-a Operator:
 Run Time: 06/04/13 23:34 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.3644	79.49	4.206	305.0	4.033	.2474
SDev	.3719	3.004	.8036	1.163	.0303	.0209
%RSD	102.1	3.78	19.11	.3814	.7503	8.445

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1738.	.0972	.3857	.1146	2.274	190.5
SDev	8.113	.0163	.0912	.4712	.5343	5.438
%RSD	.4668	16.79	23.65	411.4	23.49	2.854

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2913.	373.2	30.61	102.2	54330.	.9013
SDev	15.44	2.274	.102	2.257	292.5	.0762
%RSD	.5302	.6094	.3334	2.208	.5383	8.452

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1224	.0029	-1.161	-.9500	1.863	-.1090
SDev	.6165	2.027	.2969	.5919	.9167	.005
%RSD	503.8	69030	25.56	62.31	49.22	4.548

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	11.86	.4663	-.0497	-2.156	-.6646	2.298
SDev	.07	1.778	.0367	1.337	.2226	6.16
%RSD	.5905	381.2	73.99	62.02	33.5	268

Elems	1960/2	*Y
Units	PPB	
Avge	-1.143	9059
SDev	.0366	12.0208
%RSD	3.203	.13269

Method: TOTAL Sample Name: 240-24779-d-3-a Operator:
 Run Time: 06/04/13 23:40 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.4255	-7.888	-.0887	502.0	91.28	.2252
SDev	.0623	.6662	1.535	1.156	.1785	.0153
%RSD	14.64	8.446	1730	.2303	.1955	6.802

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	10160.	-.0171	-.0428	-.1859	4.152	2308.
SDev	7.054	.051	.0928	.2793	.2499	.8145
%RSD	.0694	297.6	217	150.2	6.02	.0353

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2029.	4623.	146.0	1.979	68460.	.2459
SDev	2.066	7.125	.0256	.1258	12.2	.4649
%RSD	.1018	.1541	.0175	6.358	.0178	189.1

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.125	.2847	.8975	-1.295	-1.913	-.3714
SDev	.8139	.5483	1.273	1.192	2.815	.2733
%RSD	72.34	192.6	141.8	92.06	147.1	73.6

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	6.334	-.1435	1.758	.4397	1.126	1.497
SDev	.068	.2319	1.104	.1231	1.97	1.054
%RSD	1.074	161.6	62.82	27.99	174.9	70.39

Elems	1960/2	*Y
Units	PPB	
Avge	-.3205	9051.5
SDev	.2959	21.2132
%RSD	92.31	.23436

Method: TOTAL Sample Name: 240-24779-d-4-a Operator:
 Run Time: 06/04/13 23:46 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.2443	-7.580	.9435	613.3	7.029	.1568
SDev	.4919	3.276	.1387	13.23	.0966	.0106
%RSD	201.4	43.21	14.7	2.157	1.375	6.731

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1342.	.0460	.1394	-.2594	1.609	16.73
SDev	31.32	.0038	.2627	.4699	.2078	4.319
%RSD	2.334	8.289	188.5	181.2	12.92	25.81

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3233.	1689.	1.970	240.3	34830.	1.066
SDev	51.83	36.31	.0189	2.159	558.1	.7778
%RSD	1.604	2.15	.9568	.8986	1.602	72.96

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.4890	-2.797	.2297	-.1724	1.300	-.3637
SDev	.118	.5442	.5711	.3737	.5283	.2628
%RSD	24.14	19.46	248.6	216.8	40.65	72.25

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4.666	-1.325	1.394	-.8253	.7564	-.8183
SDev	.0534	1.595	.9735	1.643	.036	.6002
%RSD	1.144	120.4	69.82	199.1	4.759	73.35

Elms	1960/2	*Y
Units	PPB	
Avge	-3.784	9227.75
SDev	1.115	172.18
%RSD	29.48	1.86589

Method: TOTAL Sample Name: 240-24779-d-5-a Operator:
 Run Time: 06/04/13 23:52 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.3015	2.760	.3065	257.4	6.822	.2035
SDev	.124	2.041	.3151	.2829	.0392	.0061
%RSD	41.15	73.96	102.8	.1099	.5748	2.977

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1604.	.1674	.0011	-.2816	1.842	56.17
SDev	.8465	.0107	.0912	.1069	.0931	6.452
%RSD	.0528	6.398	8614	37.98	5.055	11.49

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2629.	182.8	2.144	173.0	61540.	.7663
SDev	3.441	1.524	.0011	2.169	7.822	.2709
%RSD	.1309	.8336	.0531	1.254	.0127	35.36

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.6563	-3.030	-.5520	-.9512	-.2568	-.1903
SDev	1.185	1.431	1.063	.2197	.9166	.0634
%RSD	180.5	47.25	192.6	23.1	356.9	33.32

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2.017	-.8317	1.399	-1.642	-.0078	-3.179
SDev	.0832	.9508	2.251	.6202	1.904	.0068
%RSD	4.125	114.3	160.9	37.77	24370	.2155

Elems	1960/2	*Y
Units	PPB	
Avge	-2.956	9038.25
SDev	2.15	4.59619
%RSD	72.73	.05085

Method: TOTAL Sample Name: 240-24779-d-6-a Operator:
 Run Time: 06/04/13 23:58 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1733	-3.986	.7171	198.8	103.1	.2583
SDev	.1657	.2857	1.792	.2127	.6617	.0093
%RSD	95.6	7.168	249.9	.107	.6416	3.598

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	28960.	.4316	7.996	165.1	2.635	21.67
SDev	131.1	.031	.3353	.7774	.1404	11.48
%RSD	.4528	7.178	4.193	.471	5.33	53

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2736.	15120.	1475.	.6600	59830.	11.59
SDev	20.29	70.37	7.617	.1263	527.8	.4975
%RSD	.7416	.4654	.5163	19.14	.8821	4.294

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0878	-1.816	.3083	-1.300	1.380	-.3338
SDev	.0381	.8495	.9676	.0483	3.274	.1364
%RSD	43.43	46.79	313.9	3.717	237.2	40.86

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	16.24	-.6965	.4793	.3762	.2743	-.2504
SDev	.227	1.833	.9722	2.054	.4252	.4773
%RSD	1.397	263.1	202.8	546	155	190.6

Elms	1960/2	*Y
Units	PPB	
Avge	-2.597	9085.5
SDev	1.035	33.234
%RSD	39.86	.36579

Method: TOTAL Sample Name: CCV Operator:
 Run Time: 06/05/13 00:04 Filename: I60604B
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1039.	25800.	512.2	5216.	2100.	2085.
SDev	2.66	49.58	.4025	11.29	1.062	1.576
%RSD	.2561	.1922	.0786	.2164	.0506	.0756

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	51540.	520.6	2102.	2094.	2106.	26020.
SDev	83.23	.8267	2.994	4.02	4.322	41.27
%RSD	.1615	.1588	.1424	.192	.2052	.1586

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	53100.	51630.	2095.	2114.	50440.	2101.
SDev	172	90.75	3.912	21.62	197.7	.6241
%RSD	.3238	.1758	.1867	1.023	.3919	.0297

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	521.3	523.0	518.5	5216.	1049.	2072.
SDev	1.425	1.546	2.894	10.97	3.938	2.133
%RSD	.2733	.2956	.5581	.2102	.3754	.1029

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2124.	526.3	518.8	524.4	515.6	531.8
SDev	2.938	.1029	2.188	4.209	2.238	2.281
%RSD	.1383	.0196	.4217	.8026	.434	.429

Elms	1960/2	*Y
Units	PPB	
Avge	518.6	8954.25
SDev	1.179	26.5165
%RSD	.2274	.29613

Method: TOTAL Sample Name: CCB Operator:
 Run Time: 06/05/13 00:10 Filename: I60604B
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1860	-9.047	-.5401	21.86	.0505	.2394
SDev	.0824	3.589	.2188	5.023	.0356	.0133
%RSD	44.3	39.67	40.52	22.98	70.47	5.551
Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	10.54	.0898	-.0031	-.3843	1.540	-1.996
SDev	.417	.0387	.0907	.4257	.0956	3.649
%RSD	3.955	43.04	2958	110.8	6.21	182.8
Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	31.95	102.9	.1160	7.242	-755.5	.3806
SDev	13.96	1.04	.0001	2.837	54.84	.1926
%RSD	43.68	1.01	.0568	39.17	7.258	50.59
Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2934	-1.010	-.1430	.7660	1.821	.0189
SDev	.8986	1.636	.1108	.6149	2.879	.198
%RSD	306.3	161.9	77.54	80.28	158	1050
Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.8539	-.4852	.6818	1.405	-.9158	-.9756
SDev	.1085	1.361	2.027	.2314	.0507	2.526
%RSD	12.7	280.5	297.2	16.47	5.533	258.9
Elms	1960/2	*Y				
Units	PPB					
Avge	-1.028	9090				
SDev	3.713	2.82842				
%RSD	361.2	.03111				

Method: TOTAL Sample Name: 240-24779-d-7-a Operator:
 Run Time: 06/05/13 00:16 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2078	-11.80	.5057	11.41	.1764	.2277
SDev	.2653	.298	.5785	.8263	.0705	.0159
%RSD	127.6	2.525	114.4	7.245	39.95	6.979

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	45.92	.0487	.1239	-.3239	4.982	13.52
SDev	.2951	.1103	.4562	.1683	.1306	1.284
%RSD	.6426	226.7	368.3	51.96	2.621	9.498

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	42.41	106.8	.6501	1.599	-1123.	.3269
SDev	1.273	1.071	.0583	.1418	64.5	.0397
%RSD	3.003	1.002	8.975	8.868	5.744	12.16

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1759	-2.667	-1.244	1.299	-.3220	.1036
SDev	.5236	3.003	1.053	1.231	.1234	.2067
%RSD	297.7	112.6	84.69	94.74	38.31	199.6

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	15.69	-1.212	.8686	-1.871	-.9303	-2.053
SDev	.2224	.6383	.4663	1.206	.9771	.229
%RSD	1.417	52.66	53.68	64.43	105	11.15

Elms	1960/2	*Y
Units	PPB	
Avge	-2.974	9070
SDev	4.387	33.9411
%RSD	147.5	.37421

Method: TOTAL Sample Name: 240-24779-d-8-a Operator:
 Run Time: 06/05/13 00:22 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.4041	-11.33	.6345	276.6	90.48	.2488
SDev	.1448	2.073	.8433	.1371	.2145	.0015
%RSD	35.84	18.3	132.9	.0495	.2371	.6098

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	31400.	.1249	19.93	3.541	2.197	1166.
SDev	4.338	.0406	.2116	.0707	.1779	5.134
%RSD	.0138	32.52	1.062	1.997	8.097	.4402

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3162.	14990.	1751.	.1463	46860.	5.859
SDev	5.443	1.233	1.021	.3319	56.33	.2222
%RSD	.1721	.0082	.0583	226.8	.1202	3.792

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1883	-1.477	-.1188	-.7627	.8316	-.0659
SDev	.111	.6236	.4541	.7776	2.752	.4099
%RSD	58.97	42.22	382.4	101.9	330.9	622.1

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	7.695	-1.525	.4791	1.082	-.7183	-2.275
SDev	.0928	.2895	.3111	2.776	2.067	2.922
%RSD	1.206	18.98	64.94	256.6	287.7	128.4

Elems	1960/2	*Y
Units	PPB	
Avge	-1.079	9088
SDev	.5237	14.1421
%RSD	48.56	.15561

Method: TOTAL Sample Name: 240-24779-d-9-a Operator:
 Run Time: 06/05/13 00:28 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1784	50.02	9.393	74.75	15.76	.1775
SDev	.3065	.5679	.2149	.384	.0359	.0129
%RSD	171.8	1.135	2.288	.5137	.2276	7.293

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1932.	.0452	.7806	.0357	1.761	3083.
SDev	.471	.0306	.0904	.4223	.2038	4.118
%RSD	.0244	67.73	11.58	1184	11.57	.1336

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	410.2	1029.	154.3	46.63	21940.	.5404
SDev	15.41	.823	.1153	.6537	45.43	.88
%RSD	3.756	.08	.0747	1.402	.2071	162.8

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.6440	-1.498	-.3467	-.8892	-.9331	-.1422
SDev	.2268	3.062	.6833	.1741	2.991	.069
%RSD	35.22	204.5	197.1	19.58	320.6	48.54

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3.537	-1.392	1.660	-1.723	.3403	1.670
SDev	.0318	1.877	1.277	2.272	.1101	.5827
%RSD	.8985	134.8	76.91	131.9	32.36	34.9

Elms	1960/2	*Y
Units	PPB	
Avge	-3.079	9155.75
SDev	4.881	.35355
%RSD	158.6	.00386

Method: TOTAL Sample Name: 240-24779-d-10-a Operator:
 Run Time: 06/05/13 00:34 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0264	-15.34	67.24	135.0	110.0	.2171
SDev	.3287	.9645	.44	1.48	.6719	.0046
%RSD	1244	6.288	.6543	1.096	.6111	2.141

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	16520.	-.1348	25.93	-.4291	1.696	18880.
SDev	55.02	.0227	.2234	.0223	.0709	69.53
%RSD	.3331	16.85	.8616	5.197	4.179	.3682

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2669.	7143.	915.4	6.969	36270.	2.153
SDev	7.534	31.06	3.681	.3454	84.05	.3045
%RSD	.2823	.4348	.4022	4.957	.2318	14.14

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.4621	-1.896	-.3388	-.8311	1.964	.0640
SDev	.5993	1.754	.8692	1.467	1.39	.0673
%RSD	129.7	92.5	256.6	176.5	70.76	105

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	6.887	-1.066	1.225	1.660	-1.336	-.7094
SDev	.0132	.8719	.4632	1.809	2.206	1.646
%RSD	.1916	81.77	37.82	109	165.1	232.1

Elms	1960/2	*Y
Units	PPB	
Avge	-2.488	9083.75
SDev	3.451	17.3241
%RSD	138.7	.19071

Method: TOTAL Sample Name: 240-24779-d-11-a Operator:
 Run Time: 06/05/13 00:40 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.3730	-3.572	.1612	145.6	56.89	.2617
SDev	.4318	4.146	.2626	1.61	.0021	.0058
%RSD	115.7	116.1	162.9	1.105	.0037	2.227

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	11130.	.0746	-.2025	-.0237	2.105	9148.
SDev	26.79	.0079	.2726	.212	.1135	32.83
%RSD	.2406	10.59	134.6	893.8	5.389	.3589

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2033.	4468.	178.3	9.197	31770.	-.1642
SDev	21.81	9.623	.5857	.1913	106.2	.0386
%RSD	1.073	.2154	.3285	2.08	.3344	23.53

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1963	-3.027	.0594	-.4855	2.350	.0990
SDev	.4355	1.329	1.064	1.608	.2696	.1355
%RSD	221.8	43.89	1790	331.2	11.47	136.9

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2.732	-2.010	.7089	.9833	-.4019	-.9084
SDev	.0806	.4559	.8806	2.051	.5707	1.319
%RSD	2.949	22.68	124.2	208.6	142	145.2

Elms	1960/2	*Y
Units	PPB	
Avge	-4.085	9096.25
SDev	2.651	6.0104
%RSD	64.88	.06607

Method: TOTAL Sample Name: 240-24779-d-12-a Operator:
 Run Time: 06/05/13 00:46 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.4919	6.456	.1770	33.05	47.83	.1904
SDev	.3897	.8842	.6485	.3182	.0113	.0125
%RSD	79.22	13.7	366.3	.9628	.0236	6.567

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	7953.	-.2615	.0461	-.4001	3.716	39670.
SDev	9.739	.0013	.0906	.191	.0094	56.1
%RSD	.1225	.5083	196.6	47.75	.2527	.1414

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1458.	10970.	582.3	12.89	111500.	.5152
SDev	14.9	13.39	.3747	.0728	177	.3839
%RSD	1.022	.122	.0643	.5645	.1588	74.51

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1471	-1.639	-1.625	-.5013	-.4150	-.2997
SDev	.1623	.6785	3.476	1.196	1.133	.2032
%RSD	110.3	41.39	213.9	238.5	272.9	67.82

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5.637	-.2364	.3382	.4918	-2.682	-.9781
SDev	.029	1.776	.6434	.3604	5.032	4.654
%RSD	.5152	751.3	190.2	73.27	187.6	475.8

Elms	1960/2	*Y
Units	PPB	
Avge	-1.969	9119.75
SDev	1.306	4.59619
%RSD	66.33	.05039

Method: TOTAL Sample Name: 240-24779-d-14-a Operator:
 Run Time: 06/05/13 00:52 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1656	.0837	-.3012	36.33	59.25	.2225
SDev	.3689	.0644	.2537	1.095	.3647	.0057
%RSD	222.8	76.88	84.21	3.014	.6155	2.562

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	7744.	.0499	1.017	-.4171	1.851	704.5
SDev	23.23	.1171	.0007	.2964	.013	9.468
%RSD	.3	234.7	.0724	71.07	.7035	1.344

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1726.	3436.	48.83	-.1835	21760.	4.237
SDev	8.807	9.137	.18	.2627	122.3	.1185
%RSD	.5102	.2659	.3687	143.2	.562	2.797

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.5020	-2.039	.5693	-.7127	.5625	-.2037
SDev	.4696	.3212	.525	.1661	.9663	.204
%RSD	93.54	15.76	92.21	23.31	171.8	100.1

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	9.241	-1.409	1.456	1.704	.0027	.6013
SDev	.1414	.5493	.9782	2.165	.294	.1296
%RSD	1.53	38.98	67.19	127.1	10800	21.55

Elms	1960/2	*Y
Units	PPB	
Avge	-3.357	9119
SDev	.4169	7.07106
%RSD	12.42	.07754

Method: TOTAL Sample Name: 240-24779-d-15-a Operator:
 Run Time: 06/05/13 00:58 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1198	-7.283	2.730	38.52	53.46	.2335
SDev	.3677	.2365	.7534	.5514	.0384	.0227
%RSD	307	3.247	27.6	1.431	.0717	9.698

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5001.	.1059	5.755	.1546	1.449	2739.
SDev	14.01	.0724	.017	.0814	.1513	12.25
%RSD	.2801	68.4	.2956	52.64	10.44	.4474

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1305.	2275.	279.9	-.2268	20150.	5.198
SDev	.1174	7.443	.7917	1.123	105.8	.4787
%RSD	.009	.3272	.2828	495.3	.5249	9.21

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.2349	-.0955	-.5153	-.5394	-1.742	-.1913
SDev	.4536	.0995	2.515	.2855	2.093	.4111
%RSD	193.1	104.2	488.1	52.92	120.2	214.9

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	14.21	-2.596	.9439	-.0013	-.7718	1.962
SDev	.0073	.3574	.8585	.73	3.406	.2129
%RSD	.0513	13.77	90.95	54340	441.3	10.85

Elms	1960/2	*Y
Units	PPB	
Avge	-1.123	9102
SDev	.2555	29.6985
%RSD	22.76	.32628

Method: TOTAL Sample Name: 240-24779-d-16-a Operator:
 Run Time: 06/05/13 01:04 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1309	-4.621	.5475	35.03	35.42	.2779
SDev	.0419	.0979	1.404	.9574	.0609	.0207
%RSD	31.99	2.118	256.4	2.733	.172	7.455

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5432.	.0496	1.505	-.6419	1.714	269.0
SDev	8.048	.016	.3632	.0633	.2248	9.102
%RSD	.1482	32.39	24.13	9.861	13.12	3.384

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1255.	1940.	8.685	-.4155	19250.	4.701
SDev	1.022	6.324	.0722	.5933	134.6	.9283
%RSD	.0814	.326	.8308	142.8	.6991	19.75

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2925	-3.760	-1.078	-.6034	-.1229	-.0038
SDev	.3449	.312	.3715	.4689	3.261	.4771
%RSD	117.9	8.297	34.45	77.71	2654	12440

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	9.033	-.9262	.9009	.2582	-1.745	-1.330
SDev	.0468	1.041	1.037	.1242	.4949	3.15
%RSD	.5185	112.4	115.1	48.08	28.36	236.9

Elms	1960/2	*Y
Units	PPB	
Avge	-4.974	9115.25
SDev	2.041	11.6673
%RSD	41.03	.12799

Method: TOTAL Sample Name: mb 240-87268/1-a Operator:
 Run Time: 06/05/13 01:10 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1865	-11.12	.0960	-.8119	.6267	.1775
SDev	.3297	.5204	1.016	.2408	.0023	.0098
%RSD	176.7	4.68	1059	29.66	.3671	5.509

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	184.4	-.0503	.0626	-.3857	1.938	H159.1
SDev	1.866	.0759	.0014	.4689	.5685	3.714
%RSD	1.012	151	2.189	121.6	29.33	2.335

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	65.28	H142.8	1.781	.1448	-745.9	.1897
SDev	6.985	4.161	.0067	.8602	171.6	.0775
%RSD	10.7	2.914	.3762	593.9	23	40.85

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.3131	-1.199	-1.153	24.25	-1.478	-.1931
SDev	.2456	2.299	1.581	.4081	.7815	.0654
%RSD	78.44	191.7	137	1.683	52.86	33.9

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	13.66	-.0353	.4867	-2.209	-.6264	-.9198
SDev	.0831	.8211	.0417	1.921	3.329	.0965
%RSD	.6084	2327	8.579	86.97	531.4	10.49

Elms	1960/2	*Y
Units	PPB	
Avge	-1.338	9111.25
SDev	3.495	32.1733
%RSD	261.1	.35311

Method: TOTAL Sample Name: CCV Operator:
 Run Time: 06/05/13 01:16 Filename: I60604B
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1023.	25430.	504.1	5146.	2076.	2059.
SDev	2.016	32.23	.5375	25.33	3.224	2.179
%RSD	.1971	.1267	.1066	.4923	.1553	.1058

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	50950.	515.3	2074.	2065.	2074.	25670.
SDev	42.73	.8673	.223	1.348	3.097	24.67
%RSD	.0839	.1683	.0107	.0653	.1493	.0961

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	52210.	50940.	2067.	2084.	49720.	2074.
SDev	48.5	43.55	2.513	29.88	56.29	1.401
%RSD	.0929	.0855	.1216	1.434	.1132	.0675

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	514.5	515.0	511.6	5140.	1034.	2045.
SDev	1.965	7.388	.4021	8.099	1.165	2.176
%RSD	.3819	1.434	.0786	.1576	.1127	.1064

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2094.	521.6	510.9	519.2	507.8	525.3
SDev	2.396	3.05	1.423	2.429	1.816	8.554
%RSD	.1144	.5847	.2786	.468	.3576	1.629

Elems	1960/2	*Y
Units	PPB	
Avge	509.9	9043.25
SDev	6.805	8.13172
%RSD	1.335	.08992

Method: TOTAL Sample Name: CCB Operator:
 Run Time: 06/05/13 01:22 Filename: I60604B
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0201	-15.47	.3962	17.08	.0255	.2950
SDev	.5371	.8213	.113	4.684	.0714	.0841
%RSD	2674	5.31	28.53	27.43	279.4	28.5

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	6.564	-.0494	-.1989	-.1246	1.256	11.82
SDev	2.672	.0418	.3656	.2789	.2171	1.862
%RSD	40.7	84.63	183.8	223.9	17.29	15.75

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	34.58	102.9	.1604	7.471	-795.6	.2458
SDev	3.829	.6922	.0611	2.993	74.96	.7746
%RSD	11.07	.6726	38.12	40.06	9.422	315.2

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.7274	-1.035	1.724	.3824	-.2039	.0207
SDev	.3722	.895	1.204	1.097	2.497	.0754
%RSD	51.17	86.46	69.85	286.8	1224	363.4

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.3482	-.3046	1.242	1.667	1.752	-.1992
SDev	.0306	1.971	.4261	1.807	2.707	4.418
%RSD	8.78	647	34.29	108.4	154.6	2218

Elms	1960/2	*Y
Units	PPB	
Avge	-1.452	9046.25
SDev	3.547	7.42462
%RSD	244.2	.08207

Method: TOTAL Sample Name: lcs 240-87268/2-a Operator:
 Run Time: 06/05/13 01:28 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	48.36	1936.	1881.	944.3	1966.	48.06
SDev	.0095	3.193	5.18	.2376	1.273	.0812
%RSD	.0196	.1649	.2753	.0252	.0648	.169

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	48790.	49.37	497.4	199.4	249.5	995.0
SDev	128.5	.0473	1.216	1.138	.468	2.406
%RSD	.2634	.0959	.2444	.5706	.1876	.2418

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	49670.	48850.	506.2	1006.	48780.	497.9
SDev	214.2	124.5	.9767	4.382	202.3	.1287
%RSD	.4313	.2549	.193	.4357	.4148	.0258

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	489.2	1922.	470.3	1976.	1991.	492.5
SDev	.616	1.184	1.157	.9238	7.252	1.368
%RSD	.1259	.0616	.2461	.0467	.3642	.2778

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	512.8	498.2	484.8	489.4	460.8	1976.
SDev	.9377	1.425	.2119	1.767	.8534	4.459
%RSD	.1829	.2861	.0437	.361	.1852	.2257

Elms	1960/2	*Y
Units	PPB	
Avge	1896.	8957.5
SDev	4.001	40.3051
%RSD	.2111	.44995

Method: TOTAL Sample Name: 240-24831-b-19-a Operator:
 Run Time: 06/05/13 01:34 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	8.566	68340.	55.16	2966.	371.9	-6.627
SDev	.0213	92.43	.8194	4.241	.0888	.0054
%RSD	.2487	.1353	1.486	.143	.0239	.0812

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	67640.	1.360	114.2	163.3	22820.	127600.
SDev	47.61	.0083	.1385	.022	44.75	115.2
%RSD	.0704	.6106	.1212	.0135	.1961	.0903

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2307.	70460.	2718.	8.443	-2709.	334.0
SDev	6.079	38.98	2.71	.7229	268.7	1.639
%RSD	.2635	.0553	.0997	8.562	9.919	.4907

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	631.0	7.875	14.17	35.64	.7547	222.6
SDev	.1056	1.955	.415	1.961	3.155	.0787
%RSD	.0167	24.83	2.93	5.502	418	.0354

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	756.1	637.0	628.0	6.164	18.16	4.362
SDev	.6378	.1861	.0654	2.01	.3811	1.724
%RSD	.0844	.0292	.0104	32.6	2.098	39.53

Elms	1960/2	*Y
Units	PPB	
Avge	9.629	9375.75
SDev	2.071	18.7383
%RSD	21.5	.19985

Method: TOTAL Sample Name: SD 240-24831-b-19a@5 Operator:
 Run Time: 06/05/13 01:40 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.689	14430.	11.94	642.5	78.80	-1.289
SDev	1.039	234.4	.5725	8.311	1.3	.0064
%RSD	61.5	1.625	4.795	1.294	1.649	.4981

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	14310.	.1502	24.22	34.47	4856.	27180.
SDev	211.2	.0079	.0145	.6577	77.37	437.3
%RSD	1.476	5.288	.06	1.908	1.593	1.609

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	455.2	14790.	580.9	1.301	-1263.	72.08
SDev	1.499	228.7	9.08	.2362	308.2	.9414
%RSD	.3292	1.546	1.563	18.15	24.4	1.306

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	136.3	-1.231	3.055	7.141	-2.091	46.70
SDev	2.012	.8462	1.913	1.069	4.958	.4941
%RSD	1.477	68.76	62.61	14.97	237.1	1.058

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	168.9	138.5	135.1	.8514	4.155	.0836
SDev	2.756	.0747	2.98	.6084	2.564	.605
%RSD	1.632	.0539	2.205	71.46	61.71	723.5

Elms	1960/2	*Y
Units	PPB	
Avge	-1.887	9132
SDev	.9666	109.602
%RSD	51.23	1.20019

Method: TOTAL Sample Name: 240-24831-b-19-b ms Operator:
 Run Time: 06/05/13 01:46 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	51.13	101700.	1832.	977.9	2357.	31.99
SDev	.1506	59.39	3.034	1.577	6.021	.0061
%RSD	.2945	.0584	.1656	.1612	.2555	.0189

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	126200.	47.33	596.8	347.7	9492.	152800.
SDev	58.32	.0636	.1196	.0911	8.999	82.12
%RSD	.0462	.1344	.02	.0262	.0948	.0537

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	53770.	122700.	3175.	918.5	45240.	795.0
SDev	24.04	120.4	1.031	9.112	122.2	1.315
%RSD	.0447	.0981	.0325	.992	.2701	.1654

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1369.	1795.	232.0	1732.	1847.	756.8
SDev	2.302	1.795	.5924	.3386	14.15	.5836
%RSD	.1682	.1	.2553	.0196	.7661	.0771

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1340.	1387.	1360.	226.7	234.7	1838.
SDev	.5807	1.438	4.17	2.267	2.02	.0412
%RSD	.0433	.1036	.3067	.9999	.8606	.0022

Elms	1960/2	*Y
Units	PPB	
Avge	1774.	9348
SDev	2.711	16.2634
%RSD	.1528	.17397

Method: TOTAL Sample Name: 240-24831-b-19-c msd Operator:
 Run Time: 06/05/13 01:52 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	52.97	78590.	1858.	970.8	2341.	35.25
SDev	.3751	21.46	6.115	2.136	2.97	.0444
%RSD	.7082	.0273	.3291	.2201	.1269	.1259

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	94080.	48.29	592.5	412.4	8839.	138700.
SDev	58.86	.0733	.0538	.5435	1.09	70.43
%RSD	.0626	.1517	.0091	.1318	.0123	.0508

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	52790.	118400.	3091.	948.9	45300.	877.6
SDev	90.53	107.4	1.413	4.179	95.2	.6198
%RSD	.1715	.0907	.0457	.4404	.2101	.0706

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1458.	1811.	272.8	1801.	1890.	713.0
SDev	1.017	4.753	.7073	1.159	1.998	.2886
%RSD	.0698	.2625	.2593	.0644	.1057	.0405

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1366.	1486.	1443.	271.3	273.6	1856.
SDev	.5598	4.516	3.779	.8799	1.5	1.407
%RSD	.041	.3039	.2618	.3243	.5482	.0758

Elms	1960/2	*Y
Units	PPB	
Avge	1789.	9283.75
SDev	7.828	22.981
%RSD	.4376	.24753

Method: TOTAL Sample Name: 240-24831-b-20-a Operator:
 Run Time: 06/05/13 01:58 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2.183	47470.	77.70	85.55	496.9	-3.198
SDev	.1041	2262	3.867	3.834	24.51	.0278
%RSD	4.768	4.766	4.977	4.482	4.932	.8684

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	41850.	.8958	91.40	106.1	5317.	164900.
SDev	1893	.0501	3.814	5.325	249.1	7924
%RSD	4.524	5.591	4.172	5.019	4.685	4.805

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3714.	36010.	1902.	10.48	-2639.	218.6
SDev	149.8	1689	88.87	.5389	26.35	10.55
%RSD	4.032	4.69	4.673	5.141	.9988	4.825

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	427.0	4.784	10.08	18.64	4.651	206.5
SDev	16.67	.7022	1.727	1.388	1.967	9.796
%RSD	3.904	14.68	17.14	7.449	42.29	4.745

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1139.	432.0	424.4	6.147	12.04	1.350
SDev	52.22	13.59	18.21	.1491	2.663	.5876
%RSD	4.584	3.145	4.29	2.426	22.12	43.51

Elms	1960/2	*Y
Units	PPB	
Avge	6.498	9774
SDev	1.346	327.39
%RSD	20.72	3.3496

Method: TOTAL Sample Name: 240-24831-b-21-a Operator:
 Run Time: 06/05/13 02:04 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5.118	54540.	212.0	165.8	1619.	-.6038
SDev	.0038	2.066	1.932	.1198	1.278	.0244
%RSD	.0741	.0038	.9114	.0722	.0789	4.04

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	39640.	2.820	77.16	151.1	9943.	225600.
SDev	19.19	.1124	.1336	.5564	2.933	7.447
%RSD	.0484	3.986	.1732	.3682	.0295	.0033

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3836.	24210.	2203.	29.28	-3384.	185.6
SDev	15.7	15.03	.4302	.6416	262.8	.6972
%RSD	.4091	.0621	.0195	2.191	7.766	.3757

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2423.	29.33	12.79	65.31	4.112	238.3
SDev	2.661	.4824	1.8	.4627	2.299	.1684
%RSD	.1098	1.644	14.07	.7086	55.9	.0706

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1586.	2426.	2421.	8.734	14.82	22.86
SDev	.5386	1.064	4.52	.1189	2.758	2.87
%RSD	.034	.0439	.1867	1.362	18.61	12.55

Elems	1960/2	*Y
Units	PPB	
Avge	32.56	9638.25
SDev	.7098	6.0104
%RSD	2.18	.06235

Method: TOTAL Sample Name: 240-24831-b-22-a Operator:
 Run Time: 06/05/13 02:10 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0321	42720.	208.6	120.7	606.1	2.986
SDev	.1573	47.67	.7463	.022	1.81	.0007
%RSD	489.7	.1116	.3577	.0182	.2986	.0239

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	32530.	-.5828	64.47	65.73	657.6	197700.
SDev	33.22	.016	.2167	.3184	1.181	61.66
%RSD	.1021	2.741	.3361	.4844	.1795	.0312

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3508.	5488.	589.8	16.25	241.5	136.9
SDev	3.667	3.502	.3743	.4506	71.68	.186
%RSD	.1045	.0638	.0635	2.773	29.68	.1359

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	114.8	26.56	4.912	12.40	-.1056	161.5
SDev	.8292	.9431	.7916	.5764	1.992	.0763
%RSD	.7226	3.55	16.11	4.649	1886	.0473

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	114.2	116.0	114.2	4.206	5.265	16.97
SDev	.103	.1631	1.325	.9474	.7138	3.882
%RSD	.0902	.1407	1.16	22.52	13.56	22.88

Elms	1960/2	*Y
Units	PPB	
Avge	31.35	9389.5
SDev	3.352	33.234
%RSD	10.69	.35394

Method: TOTAL Sample Name: 240-24831-b-23-a Operator:
 Run Time: 06/05/13 02:15 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	8.334	55150.	143.4	102.6	1174.	-3.956
SDev	.559	31.31	.2167	.0284	2.274	.0127
%RSD	6.708	.0568	.1511	.0277	.1937	.3205

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	55670.	7.142	84.31	150.7	H46740.	192700.
SDev	7.342	.0078	.1917	.2384	36.62	39.96
%RSD	.0132	.1092	.2274	.1582	.0784	.0207

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3335.	35720.	2540.	13.08	-3863.	214.9
SDev	6.666	.8535	1.824	.7393	111.5	.0104
%RSD	.1998	.0024	.0718	5.654	2.886	.0048

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H24040.	18.48	48.76	69.04	6.057	230.5
SDev	42.48	.9338	1.146	1.168	3.962	.3335
%RSD	.1767	5.052	2.35	1.692	65.41	.1447

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1705.	24780.	23680.	44.20	51.04	8.408
SDev	1.958	20.97	74.16	.8483	2.141	3.596
%RSD	.1148	.0846	.3132	1.919	4.196	42.77

Elms	1960/2	*Y
Units	PPB	
Avge	23.51	9394.5
SDev	3.195	18.3848
%RSD	13.59	.19569

Method: TOTAL Sample Name: 240-24831-b-24-a Operator:
 Run Time: 06/05/13 02:21 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	15.15	44060.	73.97	263.1	517.6	2.765
SDev	.1374	129.6	.7543	.0377	.8639	.0035
%RSD	.9073	.2941	1.02	.0143	.1669	.1258

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	37380.	.2349	55.40	87.01	H50160.	175200.
SDev	92.13	.1178	.0515	.181	172.6	481.9
%RSD	.2465	50.15	.0929	.208	.3441	.275

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4776.	23470.	2686.	3.384	-1953.	115.1
SDev	6.529	59.85	6.96	.4293	101.7	.5468
%RSD	.1367	.255	.2591	12.69	5.204	.475

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	429.8	4.805	7.252	30.74	1.358	264.3
SDev	2.474	1.019	1.323	.0624	1.684	.2756
%RSD	.5756	21.2	18.24	.2029	124	.1043

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	445.3	429.6	429.9	7.480	7.139	-1.623
SDev	.9283	2.772	2.325	.2471	2.107	2.076
%RSD	.2085	.6453	.5408	3.303	29.51	127.9

Elms	1960/2	*Y
Units	PPB	
Avge	8.015	9545.5
SDev	.4909	24.0416
%RSD	6.125	.25186

Method: TOTAL Sample Name: CCV Operator:
 Run Time: 06/05/13 02:27 Filename: I60604B
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1021.	25350.	508.0	5153.	2069.	2073.
SDev	1.682	1.594	.5703	17.26	2.574	1.693
%RSD	.1646	.0063	.1123	.3348	.1244	.0817

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	51380.	518.2	2085.	2076.	2049.	25770.
SDev	32.8	.7272	.5018	2.197	.0784	.6519
%RSD	.0638	.1403	.0241	.1058	.0038	.0025

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	52040.	51460.	2072.	2091.	49500.	2087.
SDev	93.94	21.46	.0874	17.91	12.07	1.293
%RSD	.1805	.0417	.0042	.8567	.0244	.0619

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	519.2	514.5	511.5	5180.	1044.	2053.
SDev	.7835	2.078	1.283	4.886	1.712	1.282
%RSD	.1509	.4038	.2508	.0943	.1639	.0625

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2102.	525.8	515.8	519.7	507.4	525.7
SDev	.4614	1.557	1.952	2.227	.8117	.7414
%RSD	.022	.2962	.3784	.4285	.16	.141

Elms	1960/2	*Y
Units	PPB	
Avge	509.0	9101.5
SDev	2.745	11.3137
%RSD	.5393	.1243

Method: TOTAL Sample Name: CCB Operator:
 Run Time: 06/05/13 02:33 Filename: I60604B
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.3190	-8.333	-.2914	18.07	.0498	.2167
SDev	.0203	.0547	1.348	3.632	.1056	.0712
%RSD	6.375	.6569	462.6	20.1	212.2	32.83

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3.411	-.1210	-.3169	-.6575	1.677	13.89
SDev	2.362	.101	.0001	.2104	.5128	6.043
%RSD	69.26	83.49	.0409	32.01	30.58	43.5

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	26.68	105.5	.1281	6.520	Q-1128.	-.1356
SDev	4.622	4.804	.1009	3.073	69.32	0
%RSD	17.33	4.552	78.77	47.13	6.143	.0368

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.3472	-3.068	.3156	1.975	-2.861	-.2725
SDev	.9001	.2186	1.008	.1869	3.345	.0745
%RSD	259.2	7.124	319.3	9.462	116.9	27.33

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.3529	-1.412	1.225	-1.487	1.215	.7058
SDev	.1586	.4184	1.141	1.659	.6828	1.64
%RSD	44.94	29.64	93.11	111.6	56.18	232.4

Elms	1960/2	*Y
Units	PPB	
Avge	-4.953	9173.5
SDev	1.147	2.82842
%RSD	23.15	.03083

Method: TOTAL Sample Name: 240-24831-b-25-a Operator:
 Run Time: 06/05/13 02:39 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.107	38730.	49.12	72.70	443.4	1.117
SDev	.2786	120.2	.7098	.7322	2.212	.0186
%RSD	25.16	.3104	1.445	1.007	.4988	1.661

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	24270.	.5082	45.28	75.83	1440.	93350.
SDev	49.17	.0326	.1651	.261	4.223	229.9
%RSD	.2026	6.413	.3645	.3441	.2932	.2463

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4102.	15260.	1426.	7.013	-1505.	103.7
SDev	25.44	25.17	3.986	.512	111.2	.8015
%RSD	.6201	.165	.2796	7.3	7.388	.7729

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	111.8	1.823	3.615	12.29	.9116	167.8
SDev	1.9	1.068	1.217	.8941	.766	.753
%RSD	1.699	58.6	33.67	7.278	84.03	.4486

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	222.4	113.9	110.8	3.909	3.469	-.3056
SDev	.5066	.3816	3.039	.4683	1.591	1.963
%RSD	.2278	.3349	2.744	11.98	45.86	642.2

Elms	1960/2	*Y
Units	PPB	
Avge	2.886	9406.75
SDev	.6218	1.76776
%RSD	21.55	.01879

Method: TOTAL Sample Name: 240-24831-b-26-a Operator:
 Run Time: 06/05/13 02:45 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3.621	52590.	102.1	60.88	887.6	.0637
SDev	.5989	496	1.87	.2882	9.565	.0288
%RSD	16.54	.943	1.832	.4734	1.078	45.18

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	46240.	3.219	77.54	114.8	12130.	122700.
SDev	390.7	.0732	.4465	.9621	114.5	1147
%RSD	.8448	2.272	.5759	.8384	.9446	.935

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3035.	34830.	2004.	22.76	-1730.	197.7
SDev	11.89	308.5	18.95	.3001	89.84	2.098
%RSD	.3916	.8859	.9456	1.318	5.192	1.062

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2511.	2.827	11.27	32.46	-.7856	181.0
SDev	17.13	2.56	.6297	.7749	.3556	1.677
%RSD	.6823	90.55	5.587	2.388	45.26	.9268

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1425.	2545.	2493.	8.226	12.79	-3.703
SDev	13.42	12.37	19.51	2.417	2.151	.5573
%RSD	.9417	.486	.7824	29.38	16.81	15.05

Elms	1960/2	*Y
Units	PPB	
Avge	6.087	9405
SDev	3.56	43.1335
%RSD	58.48	.45862

Method: TOTAL Sample Name: 240-24831-b-27-a Operator:
 Run Time: 06/05/13 02:51 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	6.782	97740.	140.3	93.67	15750.	-8.879
SDev	.1754	52.46	1.305	.5159	15.89	.1661
%RSD	2.586	.0537	.9298	.5508	.1009	1.87

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	459000.	9.561	116.2	304.0	18450.	H601200.
SDev	548.8	.199	.1193	.8175	12.62	431.5
%RSD	.1195	2.081	.1027	.2689	.0684	.0718

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4538.	98080.	8065.	26.33	-1697.	535.1
SDev	2.568	90.21	6.658	.7365	142.4	.2576
%RSD	.0566	.092	.0826	2.797	8.387	.0481

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H24850.	.6720	21.79	71.07	-3.837	300.6
SDev	37.33	.8759	.2395	.9719	3.271	.7735
%RSD	.1502	130.3	1.099	1.367	85.24	.2573

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H13600.	25260.	24640.	23.08	21.14	-25.11
SDev	11.81	60.42	86.14	.0318	.375	3.468
%RSD	.0868	.2392	.3495	.1379	1.773	13.81

Elms	1960/2	*Y
Units	PPB	
Avge	13.54	9216.75
SDev	.418	15.2028
%RSD	3.087	.16494

Method: TOTAL Sample Name: 240-24831-b-28-a Operator:
 Run Time: 06/05/13 02:57 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4.300	44300.	68.18	61.82	1384.	-2.571
SDev	.2642	1671	.3433	3.261	53.8	.0107
%RSD	6.143	3.773	.5035	5.276	3.887	.4171

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	29860.	2.041	66.19	117.1	12860.	135700.
SDev	1099	.1	2.179	4.013	477.1	5133
%RSD	3.68	4.899	3.292	3.427	3.709	3.782

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3488.	29830.	1648.	9.755	-3207.	160.1
SDev	103.5	1103	61.74	1.082	338.4	6.319
%RSD	2.966	3.699	3.746	11.1	10.55	3.947

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2866.	1.847	8.208	65.22	1.953	228.0
SDev	85.23	2.016	.1973	2.971	1.804	8.707
%RSD	2.974	109.1	2.404	4.555	92.39	3.819

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1267.	2854.	2872.	4.155	10.23	-4.060
SDev	46.3	90.4	82.65	.1191	.3553	2.679
%RSD	3.653	3.168	2.878	2.867	3.473	66

Elms	1960/2	*Y
Units	PPB	
Avge	4.797	9310.25
SDev	4.359	269.054
%RSD	90.89	2.88987

Method: TOTAL Sample Name: 240-24831-b-29-a Operator:
 Run Time: 06/05/13 03:03 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	12.14	48960.	152.3	67.18	934.5	1.602
SDev	.1256	11.2	.6813	.023	.6553	.0104
%RSD	1.035	.0229	.4472	.0343	.0701	.6482
Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	40970.	1.559	65.20	107.4	10190.	161300.
SDev	42.33	.1557	.0522	.0934	4.007	45.91
%RSD	.1033	9.991	.0801	.0869	.0393	.0285
Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4383.	29290.	2196.	6.312	-2383.	149.8
SDev	10.87	35.77	.7256	.4937	33.98	.4491
%RSD	.248	.1221	.033	7.82	1.426	.2999
Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1124.	9.301	33.61	2554.	6.898	267.1
SDev	5.595	1.567	.802	.8336	1.969	.154
%RSD	.4977	16.84	2.386	.0326	28.54	.0577
Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	721.7	1120.	1126.	33.94	33.45	4.264
SDev	.2338	3.74	6.522	1.344	.5311	1.579
%RSD	.0324	.3339	.579	3.962	1.588	37.04
Elms	1960/2	*Y				
Units	PPB					
Avge	11.82	9613				
SDev	1.56	7.77817				
%RSD	13.21	.08091				

Method: TOTAL Sample Name: 240-24831-b-30-a Operator:
 Run Time: 06/05/13 03:09 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	6.861	44030.	56.37	95.83	761.4	1.786
SDev	.3661	35	.9655	.0663	1.847	.0278
%RSD	5.337	.0795	1.713	.0692	.2426	1.558

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	163300.	.4510	39.52	46.99	2400.	126800.
SDev	183	.0953	.2997	.4679	1.368	110.4
%RSD	.1121	21.13	.7583	.9958	.057	.0871

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3128.	13320.	1235.	10.40	-387.6	85.87
SDev	30.01	16.43	1.177	.0153	543	.9606
%RSD	.9592	.1234	.0953	.1469	140.1	1.119

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	191.2	6.336	3.353	16.77	1.932	153.1
SDev	.6606	.8001	1.884	.2415	.9535	.3129
%RSD	.3455	12.63	56.18	1.44	49.36	.2044

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	146.1	194.2	189.7	1.499	4.279	2.454
SDev	.2575	1.08	.451	1.402	2.124	2.94
%RSD	.1763	.5564	.2377	93.58	49.64	119.8

Elms	1960/2	*Y
Units	PPB	
Avge	8.273	9438
SDev	.2682	12.7279
%RSD	3.241	.13485

Method: TOTAL Sample Name: 240-24831-b-31-a Operator:
 Run Time: 06/05/13 03:15 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2.884	53400.	70.55	133.6	698.1	2.348
SDev	.1052	16.26	1.496	.5984	.4504	.0239
%RSD	3.647	.0305	2.121	.448	.0645	1.016

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	99210.	.6334	51.87	66.62	2867.	124200.
SDev	19.79	.1418	.3565	.7046	.0813	6.944
%RSD	.02	22.38	.6874	1.058	.0028	.0056

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3257.	14750.	1649.	9.890	176.2	119.6
SDev	23.79	2.139	.3239	.145	145.8	.6254
%RSD	.7304	.0145	.0196	1.466	82.75	.5228

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	115.3	7.284	4.231	9.491	3.148	177.9
SDev	.1541	1.094	1.113	.3192	.8565	.0372
%RSD	.1337	15.03	26.31	3.363	27.21	.0209

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	195.5	117.9	114.0	4.978	3.858	6.655
SDev	.0838	1.836	1.147	.9371	2.137	6.556
%RSD	.0429	1.558	1.006	18.82	55.39	98.51

Elms	1960/2	*Y
Units	PPB	
Avge	7.598	9416.25
SDev	1.632	15.2028
%RSD	21.48	.16145

Method: TOTAL Sample Name: 240-24831-b-32-a Operator:
 Run Time: 06/05/13 03:21 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	7.357	56190.	61.65	62.88	946.8	-2.471
SDev	.4912	145.8	2.252	.0971	1.978	.0083
%RSD	6.677	.2596	3.653	.1545	.2089	.3344

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	49180.	3.609	76.83	137.5	22210.	128100.
SDev	119.2	.0439	.0759	.2526	67.42	329.2
%RSD	.2424	1.217	.0988	.1837	.3036	.257

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4752.	38680.	2524.	2.812	-2818.	203.7
SDev	9.147	113.7	6.241	.6207	103.8	.6382
%RSD	.1925	.2939	.2473	22.08	3.685	.3132

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1333.	2.566	15.66	91.20	-2.181	258.7
SDev	6.065	.3964	.9065	.1852	2.597	.5579
%RSD	.4552	15.45	5.788	.2031	119.1	.2156

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1355.	1337.	1330.	12.48	17.25	-1.698
SDev	3.791	5.938	6.129	1.125	.7976	2.5
%RSD	.2798	.4441	.4607	9.01	4.624	147.3

Elms	1960/2	*Y
Units	PPB	
Avge	4.694	9531.25
SDev	.6539	22.981
%RSD	13.93	.24111

Method: TOTAL Sample Name: 240-24831-b-33-a Operator:
 Run Time: 06/05/13 03:27 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5.185	28780.	28.05	62.40	549.5	1.439
SDev	.015	22.25	.7233	.3048	.7131	.0108
%RSD	.2885	.0773	2.579	.4884	.1298	.749

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	18210.	2.245	39.44	85.40	10920.	83390.
SDev	14.75	.0452	.0277	.18	4.08	59.71
%RSD	.081	2.011	.0703	.2107	.0374	.0716

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4068.	20020.	2823.	4.793	-1649.	89.48
SDev	2.82	4.326	1.093	.1307	18.89	.9151
%RSD	.0693	.0216	.0387	2.726	1.146	1.023

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	461.3	.9383	8.784	34.02	2.351	161.6
SDev	.3732	2.539	1.984	1.077	1.831	.203
%RSD	.0809	270.6	22.59	3.165	77.9	.1256

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	413.2	461.5	461.2	9.836	8.260	-1.959
SDev	.0859	1.184	.0318	1.166	2.393	2.692
%RSD	.0208	.2566	.0069	11.86	28.97	137.4

Elms	1960/2	*Y
Units	PPB	
Avge	2.385	9495.5
SDev	2.462	7.07106
%RSD	103.2	.07446

Method: TOTAL Sample Name: 240-24831-b-34-a Operator:
 Run Time: 06/05/13 03:33 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	25.20	52770.	89.59	125.8	1520.	.6998
SDev	.2749	91.4	.5843	.64	.7301	.0107
%RSD	1.091	.1732	.6522	.5088	.048	1.525

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	45080.	5.584	75.62	127.1	H31030.	160700.
SDev	114.5	.0229	.2236	.4226	30.07	372.7
%RSD	.254	.4094	.2957	.3326	.0969	.2319

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4344.	28180.	3869.	19.32	-2111.	174.4
SDev	2.583	86.72	9.082	.569	198.3	.7151
%RSD	.0595	.3077	.2348	2.946	9.395	.4101

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3707.	3.346	8.931	50.32	-.0113	261.0
SDev	1.986	.5672	.194	2.695	1.034	.4063
%RSD	.0536	16.95	2.172	5.354	9173	.1557

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1822.	3743.	3690.	9.399	8.697	-.9386
SDev	1.83	12.86	3.444	1.185	.8827	1.906
%RSD	.1004	.3436	.0933	12.61	10.15	203.1

Elms	1960/2	*Y
Units	PPB	
Avge	5.485	9518
SDev	1.802	28.9914
%RSD	32.85	.30459

Method: TOTAL Sample Name: CCV Operator:
 Run Time: 06/05/13 03:39 Filename: I60604B
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1019.	25280.	503.2	5117.	2046.	2061.
SDev	.9739	14.63	.566	16.88	1.423	.0086
%RSD	.0956	.0579	.1125	.3298	.0696	.0004

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	51350.	514.0	2081.	2075.	2039.	25730.
SDev	52.08	.4509	1.14	2.981	.3296	3.975
%RSD	.1014	.0877	.0548	.1437	.0162	.0154

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	52210.	51480.	2066.	2088.	49640.	2068.
SDev	12.08	59.09	.8311	18.9	76.41	.7964
%RSD	.0231	.1148	.0402	.9053	.1539	.0385

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	513.0	511.0	510.4	5171.	1041.	2047.
SDev	.0058	3.485	1.18	4.477	5.678	1.503
%RSD	.0011	.682	.2311	.0866	.5456	.0734

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2094.	525.4	506.9	519.5	505.9	527.3
SDev	1.512	1.876	.9281	1.001	1.269	2.444
%RSD	.0722	.3571	.1831	.1927	.2508	.4636

Elms	1960/2	*Y
Units	PPB	
Avge	502.9	9083
SDev	4.005	1.41421
%RSD	.7964	.01556

Method: TOTAL Sample Name: CCB Operator:
 Run Time: 06/05/13 03:45 Filename: I60604B
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.4919	-7.799	-.1159	18.25	.0746	.2024
SDev	.0613	.5119	.4054	4.843	.0005	.0046
%RSD	12.47	6.564	349.6	26.54	.6372	2.249

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5.005	.0012	.1278	-.1359	1.523	16.84
SDev	.0299	.0604	.2712	.1938	.0246	4.283
%RSD	.5983	5219	212.2	142.6	1.612	25.43

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	32.71	103.0	.1422	7.171	-795.6	.3230
SDev	5.499	1.563	.0012	3.373	96.48	.1131
%RSD	16.81	1.517	.857	47.04	12.13	35.01

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2258	-1.320	.0070	.5259	-.2544	-.1277
SDev	.037	.7961	.3238	.7889	3.158	.1433
%RSD	16.38	60.33	4655	150	1241	112.2

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.3120	.1730	.2518	-2.075	1.046	-.2883
SDev	.0055	.0963	.0074	1.799	1.384	3.645
%RSD	1.76	55.66	2.933	86.74	132.3	1264

Elms	1960/2	*Y
Units	PPB	
Avge	-1.834	9179.5
SDev	.6262	43.8406
%RSD	34.13	.47759

Method: TOTAL Sample Name: 240-24831-b-35-a Operator:
 Run Time: 06/05/13 03:51 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	15.67	75020.	180.7	87.45	1571.	-1.357
SDev	.4318	10.21	1.198	1.121	.4362	.0067
%RSD	2.755	.0136	.6631	1.282	.0278	.4922

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	83580.	5.354	93.32	220.4	H75620.	205500.
SDev	31.58	.0021	.2552	.2589	93.74	49.04
%RSD	.0378	.0397	.2735	.1175	.124	.0239

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5760.	38240.	3533.	9.618	-3201.	245.2
SDev	8.599	16	.5818	.1969	49.01	.5759
%RSD	.1493	.0418	.0165	2.047	1.531	.2348

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4657.	7.592	13.78	84.68	-1.158	345.5
SDev	10.26	1.905	1.464	1.384	1.502	.1294
%RSD	.2203	25.08	10.63	1.634	129.6	.0375

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1976.	4680.	4646.	10.71	15.31	-.0514
SDev	.5564	2.758	16.76	.5566	1.918	.9641
%RSD	.0282	.0589	.3607	5.197	12.53	1876

Elms	1960/2	*Y
Units	PPB	
Avge	11.41	9618.75
SDev	3.337	8.83883
%RSD	29.25	.09189

Method: TOTAL Sample Name: 240-24831-b-36-a Operator:
 Run Time: 06/05/13 03:57 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	6.947	59830.	49.98	71.48	609.8	-6.307
SDev	.4919	150.7	.6622	.2796	1.202	.0051
%RSD	7.08	.2519	1.325	.3912	.1971	.0809

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	48540.	3.158	92.16	176.7	H45710.	129300.
SDev	113.2	.1704	.105	.2569	112.5	287.8
%RSD	.2333	5.396	.1139	.1454	.2461	.2225

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3540.	79080.	2595.	3.989	-4181.	180.7
SDev	2.559	204.7	5.492	.252	67.57	.6609
%RSD	.0723	.2589	.2116	6.316	1.616	.3656

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	689.7	-1.625	14.80	39.13	5.659	304.7
SDev	1.677	1.363	.059	1.106	.4725	.8994
%RSD	.2432	83.91	.3986	2.827	8.35	.2951

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1127.	687.8	690.6	6.352	19.01	-4.358
SDev	2.534	2.759	3.892	1.852	1.013	.7691
%RSD	.2249	.4012	.5636	29.16	5.33	17.65

Elms	1960/2	*Y
Units	PPB	
Avge	-.2601	9494.25
SDev	1.66	1.76776
%RSD	638.2	.01861

Method: TOTAL Sample Name: 240-24831-b-37-a Operator:
 Run Time: 06/05/13 04:03 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5.536	34850.	39.43	63.08	558.9	-.6800
SDev	.3903	40.39	1.223	.302	.6252	.0064
%RSD	7.049	.1159	3.102	.4788	.1119	.938

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	30240.	1.172	52.51	82.11	14320.	124300.
SDev	1.055	.0026	.0646	.2471	22.74	23.54
%RSD	.0035	.2215	.123	.301	.1588	.0189

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4885.	22860.	2687.	4.130	-165.6	121.0
SDev	12.81	3.047	1.819	.2618	255.8	.0756
%RSD	.2622	.0133	.0677	6.338	154.4	.0625

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	331.0	-1.366	4.137	38.95	-.9653	199.6
SDev	.7134	1.035	.7333	.0515	2.765	.2512
%RSD	.2155	75.79	17.72	.1322	286.4	.1258

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	409.1	331.6	330.7	5.088	3.662	-6.167
SDev	.2053	.9103	1.524	1.279	.4609	1.246
%RSD	.0502	.2745	.4608	25.13	12.58	20.2

Elms	1960/2	*Y
Units	PPB	
Avge	1.031	9397.75
SDev	2.174	11.6673
%RSD	210.8	.12414

Method: TOTAL Sample Name: 240-24831-b-38-a Operator:
 Run Time: 06/05/13 04:09 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	22.12	69390.	75.83	62.07	459.6	-8.422
SDev	.0917	37.65	.4513	.5915	.6296	.0019
%RSD	.4143	.0543	.5951	.953	.137	.0227

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	38090.	-.7583	121.8	172.4	H59030.	264900.
SDev	24.52	.1426	.1054	.2795	69.52	130.3
%RSD	.0644	18.81	.0866	.1621	.1178	.0492

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2719.	71250.	3154.	3.890	-3185.	300.2
SDev	5.307	46.17	.9452	.5074	99.28	.0937
%RSD	.1951	.0648	.03	13.04	3.117	.0312

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1725.	.7150	18.57	74.71	.8538	326.6
SDev	1.858	2.202	.437	.739	4.467	.4487
%RSD	.1077	308	2.353	.9892	523.2	.1374

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	759.2	1730.	1722.	11.75	21.98	-11.04
SDev	.2896	.2518	2.912	.0076	.659	1.702
%RSD	.0381	.0146	.169	.0649	2.999	15.42

Elems	1960/2	*Y
Units	PPB	
Avge	6.582	9514.25
SDev	2.452	5.3033
%RSD	37.25	.05574

Method: TOTAL Sample Name: lb 240-87771/1-c Operator:
 Run Time: 06/05/13 04:15 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1334	-9.180	2.407	4.373	.5946	.1490
SDev	.0405	.824	.925	.7459	.035	.0191
%RSD	30.38	8.976	38.43	17.06	5.882	12.83

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	45.81	-.0335	-.0597	.0378	4.030	21.50
SDev	2.628	.0974	.0002	.1047	2.115	10.21
%RSD	5.735	290.4	.3606	277.1	52.47	47.48

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	35.06	H111.1	.5956	.3156	-410.5	-.0542
SDev	.8991	5.121	.1204	.0653	9.968	.5703
%RSD	2.565	4.611	20.21	20.69	2.428	1052

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.966	.2657	-.6916	2.399	.2807	-.2868
SDev	1.527	2.07	.488	.7709	.2487	.2013
%RSD	77.66	779.1	70.57	32.14	88.58	70.18

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	13.38	3.574	1.163	-.3359	-.8692	3.546
SDev	.0518	1.778	3.177	2.861	.6969	4.021
%RSD	.387	49.75	273.2	851.9	80.18	113.4

Elms	1960/2	*Y
Units	PPB	
Avge	-1.372	9214.25
SDev	1.096	1.06066
%RSD	79.91	.01151

Method: TOTAL Sample Name: mb 240-87952/2-a Operator:
 Run Time: 06/05/13 04:21 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.3900	-11.66	-.6017	.2321	.0252	.1368
SDev	.2056	.4884	1.285	.1577	0	.0138
%RSD	52.72	4.187	213.6	67.94	.1852	10.08

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	17.36	-.0729	-.0662	-.6412	2.021	-1.314
SDev	.6704	.0779	.1808	.4461	.188	2.15
%RSD	3.861	106.7	272.9	69.57	9.305	163.7

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	28.07	H105.5	.4892	.0973	-890.4	-.2456
SDev	7.17	.179	.0401	.3946	245	.0767
%RSD	25.55	.1698	8.193	405.7	27.51	31.23

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.246	-.1790	-.5487	-.4055	-.5920	-.0458
SDev	.0325	.4032	.469	.002	2.054	.1354
%RSD	2.611	225.2	85.46	.4862	346.9	295.9

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	11.74	.1511	1.792	-1.530	-.0588	-1.930
SDev	.0419	1.227	.6613	.0068	.6997	3.886
%RSD	.3567	812.2	36.9	.4418	1189	201.3

Elms	1960/2	*Y
Units	PPB	
Avge	.6951	9105
SDev	1.335	8.48528
%RSD	192.1	.09319

Method: TOTAL Sample Name: lcs 240-87952/3-a Operator:
 Run Time: 06/05/13 04:27 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	52.96	2088.	2069.	1039.	2138.	52.06
SDev	1.173	28.69	19.99	10.64	28.3	.6549
%RSD	2.214	1.374	.9663	1.024	1.324	1.258

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	52420.	53.14	534.6	214.6	265.8	1056.
SDev	692.3	.607	6.701	2.803	4.594	13.52
%RSD	1.321	1.142	1.254	1.306	1.728	1.281

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	53740.	52460.	544.2	1081.	52680.	536.7
SDev	788.5	712	7.136	6.694	702.6	6.574
%RSD	1.467	1.357	1.311	.6191	1.334	1.225

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	527.1	2131.	510.9	2110.	2141.	535.5
SDev	6.886	20.9	1.163	22.35	24.35	7.244
%RSD	1.306	.9809	.2276	1.059	1.137	1.353

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	557.8	531.5	524.9	524.3	504.3	2159.
SDev	7.675	9.795	5.434	3.172	.1594	31.67
%RSD	1.376	1.843	1.035	.6051	.0316	1.467

Elms	1960/2	*Y
Units	PPB	
Avge	2117.	9193.75
SDev	15.53	110.662
%RSD	.7336	1.20366

Method: TOTAL Sample Name: 240-24852-b-8-f Operator:
 Run Time: 06/05/13 04:33 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.3861	-1.316	3.631	65.47	501.3	.3753
SDev	.411	6.01	.686	.83	1.914	.0099
%RSD	106.5	456.6	18.89	1.268	.3819	2.635

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H584100.	4.225	24.35	1.497	4.481	42.66
SDev	1014	.2792	.0635	1.271	.3807	15.94
%RSD	.1737	6.608	.2609	84.89	8.496	37.36

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	661.3	40680.	6893.	3.748	67290.	37.36
SDev	31.23	18.52	14.09	.917	193.7	.958
%RSD	4.723	.0455	.2045	24.47	.2879	2.564

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4.047	-.1927	1.848	31.86	-.1475	-.1757
SDev	.0133	1.713	1.822	1.774	2.182	.787
%RSD	.3295	889	98.56	5.566	1479	447.8

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	68.78	3.633	4.253	3.159	1.194	8.545
SDev	.1054	3.125	1.54	.9137	3.187	1.997
%RSD	.1532	86.02	36.22	28.92	266.9	23.37

Elms	1960/2	*Y
Units	PPB	
Avge	-4.555	8625
SDev	1.571	22.6274
%RSD	34.49	.26234

Method: TOTAL Sample Name: SD 240-24852-b-8-f@5 Operator:
 Run Time: 06/05/13 04:39 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.3395	4.028	.9722	13.97	100.2	.1622
SDev	.2489	2.127	.4918	.4501	.0972	.0014
%RSD	73.31	52.81	50.59	3.221	.097	.8572

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	471500.	1.001	4.807	.2231	2.224	29.18
SDev	332.4	.006	.3717	.3406	.0769	3.672
%RSD	.0705	.5989	7.733	152.7	3.457	12.58

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	151.2	8535.	1433.	.4344	13590.	8.470
SDev	7.486	14.25	.958	.3342	1.851	.0129
%RSD	4.952	.167	.0669	76.94	.0136	.1521

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.536	-.7973	-.3891	7.326	-.5942	-.1887
SDev	.031	.3353	.5865	.5591	1.01	.0696
%RSD	2.019	42.05	150.7	7.631	170.1	36.86

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	19.36	-.5497	2.578	-1.030	-.0690	1.099
SDev	.0227	.7311	.4116	.975	1.366	4.95
%RSD	.1174	133	15.97	94.62	1980	450.6

Elms	1960/2	*Y
Units	PPB	
Avge	-1.744	9035.25
SDev	1.969	13.7886
%RSD	112.9	.1526

Method: TOTAL Sample Name: 240-24852-b-8-g ms@5 Operator:
 Run Time: 06/05/13 04:45 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	209.7	408.0	1009.	218.1	10110.	10.42
SDev	.3989	1.596	2.042	.462	9.291	.0023
%RSD	.1902	.3911	.2024	.2118	.0919	.0218

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	482500.	205.3	104.5	1019.	54.07	213.4
SDev	1006	.0559	.3229	2.05	.4445	1.447
%RSD	.2085	.0272	.309	.2011	.8222	.6781

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	10890.	18760.	1553.	212.3	24470.	112.3
SDev	10.46	41.69	2.553	1.748	53.74	.0638
%RSD	.096	.2223	.1643	.8233	.2197	.0569

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1017.	205.8	101.2	421.0	418.6	103.5
SDev	.1352	.7866	2.175	.4991	4.366	.1994
%RSD	.0133	.3823	2.149	.1186	1.043	.1926

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	129.0	1026.	1013.	105.7	98.94	209.2
SDev	.3342	1.44	.516	1.625	2.449	1.1
%RSD	.2592	.1404	.051	1.537	2.476	.5259

Elms	1960/2	*Y
Units	PPB	
Avge	204.1	8984.75
SDev	.6302	22.981
%RSD	.3088	.25577

Method: TOTAL Sample Name: CCV Operator:
 Run Time: 06/05/13 04:51 Filename: I60604B
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1054.	26190.	518.4	5279.	2120.	2125.
SDev	.1273	13.68	2.168	20.68	4.334	2.833
%RSD	.0121	.0522	.4181	.3916	.2045	.1333

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	52280.	528.5	2140.	2135.	2101.	26480.
SDev	40.31	.6704	2.602	1.1	1.771	33.06
%RSD	.0771	.1268	.1215	.0515	.0843	.1249

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	54140.	52860.	2128.	2148.	51500.	2126.
SDev	178.6	10.11	2.015	22.82	131.7	2.592
%RSD	.3299	.0191	.0947	1.062	.2558	.1219

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	527.3	525.4	527.2	5314.	1068.	2113.
SDev	1.921	.7281	3.637	5.592	1.684	1.003
%RSD	.3643	.1386	.6899	.1052	.1577	.0475

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2152.	539.2	521.4	535.3	523.1	538.3
SDev	1.65	1.084	2.339	.5063	5.2	2.237
%RSD	.0767	.201	.4486	.0946	.994	.4156

Elms	1960/2	*Y
Units	PPB	
Avge	518.9	9023.25
SDev	.0253	6.71751
%RSD	.0049	.07444

Method: TOTAL Sample Name: CCB Operator:
 Run Time: 06/05/13 04:57 Filename: I60604B
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.5641	-8.275	.3565	19.39	.0249	.1538
SDev	.0816	1.626	1.074	5.358	.0704	.0203
%RSD	14.47	19.65	301.4	27.63	283.1	13.23

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0219	-.0148	.0643	-.4480	1.334	-.4447
SDev	.106	.051	.1806	.4652	.1865	2.118
%RSD	483.1	345	281	103.8	13.98	476.3

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	29.78	101.6	.0284	7.966	-861.5	-.3519
SDev	1.681	1.027	.0002	3.94	169.1	.1525
%RSD	5.645	1.01	.5741	49.46	19.63	43.33

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.5490	-2.300	-.3931	.9962	-.5991	.0655
SDev	.3483	.378	.7644	1.584	1.16	.1444
%RSD	63.44	16.43	194.4	159	193.5	220.4

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.8259	.1143	.7657	-.2126	-.4833	-1.027
SDev	.0278	.1223	.5832	1.063	1.677	3.817
%RSD	3.371	107	76.17	500	346.9	371.7

Elms	1960/2	*Y
Units	PPB	
Avge	-2.936	9164.75
SDev	1.339	10.253
%RSD	45.6	.11187

Method: TOTAL Sample Name: 240-24852-b-8-hmsd@5 Operator:
 Run Time: 06/05/13 05:03 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	187.5	371.5	921.1	206.3	9208.	9.523
SDev	.6201	.875	.6031	.0722	11.09	.0602
%RSD	.3306	.2355	.0655	.035	.1204	.6326

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	454600.	186.8	94.61	919.1	49.37	187.6
SDev	446.3	.506	.0217	1.831	.1138	2.713
%RSD	.0982	.2709	.023	.1992	.2304	1.446

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	9754.	17000.	1412.	192.8	22070.	102.6
SDev	6.132	27.92	1.807	1.649	115.6	.7874
%RSD	.0629	.1642	.128	.8551	.5236	.7676

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	924.4	186.8	92.01	379.6	378.0	93.85
SDev	1.002	.7967	2.189	.1357	.0107	.2493
%RSD	.1084	.4264	2.379	.0358	.0028	.2657

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	114.3	926.7	923.2	95.89	90.07	191.0
SDev	.1541	2.505	.2512	3.069	1.749	.5506
%RSD	.1348	.2703	.0272	3.201	1.942	.2882

Elms	1960/2	*Y
Units	PPB	
Avge	184.7	9050.25
SDev	.9197	15.9099
%RSD	.4978	.17579

Method: TOTAL Sample Name: lb 240-87773/1-c Operator:
 Run Time: 06/05/13 05:09 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0213	3.146	2.589	11.79	2.443	.0784
SDev	.0631	.1095	.0163	1.391	.1804	.0056
%RSD	296.8	3.48	.6281	11.8	7.385	7.146

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	127.8	-.0834	-.1495	.6133	2.775	2.200
SDev	7.167	.0526	.093	.0241	.2346	5.049
%RSD	5.609	63.14	62.16	3.93	8.453	229.5

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	214.2	H122.1	1.315	1.535	1420e3	4.084
SDev	.2169	.8638	.0402	.2081	1351	.2337
%RSD	.1013	.7072	3.058	13.56	.0952	5.723

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.752	-1.676	1.478	4.261	-.4820	-.0324
SDev	.4741	1.307	.0498	.059	3.224	.1399
%RSD	27.06	78.01	3.371	1.385	668.7	431.6

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H22.03	1.367	1.944	1.152	1.640	.8486
SDev	.1979	.6554	1.038	1.627	.8867	2.666
%RSD	.8984	47.95	53.4	141.2	54.06	314.2

Elms	1960/2	*Y
Units	PPB	
Avge	-2.936	8789.75
SDev	.6286	11.6673
%RSD	21.41	.13273

Method: TOTAL Sample Name: mb 240-87955/2-a Operator:
 Run Time: 06/05/13 05:15 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1737	-5.945	.1443	.4119	-.0998	.0821
SDev	.1853	4.454	2.236	1.308	.0356	.0097
%RSD	106.7	74.92	1549	317.5	35.63	11.82

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	30.52	-.0648	-.1268	.6277	1.145	-12.64
SDev	2.71	.1046	.4486	.2596	.0412	23.68
%RSD	8.879	161.3	353.9	41.36	3.598	187.4

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	34.23	97.14	.5003	.3704	-699.0	-.0817
SDev	1.105	7.054	.0987	.0049	230.7	.0761
%RSD	3.228	7.261	19.74	1.327	33.01	93.18

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.5774	.4854	-4.177	-1.726	-1.227	-1.101
SDev	.8612	1.361	3.707	3.249	1.022	.9497
%RSD	149.2	280.5	88.76	188.2	83.29	86.27

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	19.01	6.454	-4.088	5.862	-9.189	8.918
SDev	.0298	7.583	5.077	5.42	8.264	6.134
%RSD	.157	117.5	124.2	92.47	89.94	68.79

Elems	1960/2	*Y
Units	PPB	
Avge	-3.725	9152
SDev	5.104	34.6482
%RSD	137	.37858

Method: TOTAL Sample Name: lcs 240-87955/3-a Operator:
 Run Time: 06/05/13 05:21 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	52.15	2049.	2034.	1017.	2002.	49.16
SDev	.0639	5.853	3.542	1.514	4.598	.1903
%RSD	.1225	.2856	.1741	.1488	.2296	.3872

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	49330.	51.44	517.0	205.3	262.9	1002.
SDev	221.8	.2014	2.033	1.239	1.254	8.69
%RSD	.4497	.3915	.3932	.6036	.4769	.8671

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H68010.	49560.	520.2	1055.	H1482e3	512.8
SDev	336.2	234.1	2.426	4.484	5857	1.091
%RSD	.4943	.4722	.4663	.4252	.3951	.2127

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	511.6	2088.	509.3	2077.	2149.	511.7
SDev	2.604	.9648	.3914	7.878	7.526	2.139
%RSD	.509	.0462	.0769	.3793	.3502	.418

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	551.4	518.3	508.2	525.8	501.0	2131.
SDev	2.405	1.986	2.912	.2226	.6979	2.273
%RSD	.4362	.3832	.573	.0423	.1393	.1067

Elms	1960/2	*Y
Units	PPB	
Avge	2067.	8647.5
SDev	.3119	38.8909
%RSD	.0151	.44973

Method: TOTAL Sample Name: 240-24852-b-2-e Operator:
 Run Time: 06/05/13 05:27 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.8345	4.593	3.283	177.2	693.6	.2047
SDev	.2179	1.622	1.439	1.228	.1154	.0087
%RSD	26.11	35.32	43.83	.6927	.0166	4.243

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H546200.	.6362	2.904	1.350	4.937	22.32
SDev	902	.1053	.381	.8734	.071	2.638
%RSD	.1652	16.55	13.12	64.7	1.437	11.82

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	8495.	16550.	3235.	12.31	H1377e3	4.986
SDev	1.983	19.96	3.259	.7238	1799	.1537
%RSD	.0233	.1206	.1008	5.878	.1306	3.083

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.9431	.5707	4.533	3.986	2.480	.4572
SDev	.1792	.6	2.571	.5754	.306	.0751
%RSD	19	105.1	56.72	14.44	12.34	16.43

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	12.60	-2.083	2.453	.0479	6.773	2.797
SDev	.0022	2.588	1.023	2.035	4.871	4.291
%RSD	.0178	124.3	41.71	4251	71.93	153.4

Elms	1960/2	*Y
Units	PPB	
Avge	-.5406	8590.5
SDev	1.243	16.2634
%RSD	229.9	.18931

Method: TOTAL Sample Name: SD 240-24852-b-2-e@5 Operator:
 Run Time: 06/05/13 05:33 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1802	3.823	1.824	35.75	143.2	.0903
SDev	.0623	.5656	.8756	.1125	.0302	.0131
%RSD	34.59	14.79	48.01	.3146	.0211	14.48

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	136400.	.1135	.5892	.0900	2.484	10.92
SDev	19.14	.0359	0	.5791	.0005	4.911
%RSD	.014	31.67	.0005	643.8	.0213	44.97

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1276.	3522.	667.7	2.651	290400.	1.236
SDev	18.34	1.087	.3434	.2665	27.02	.1554
%RSD	1.437	.0308	.0514	10.05	.0093	12.58

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.018	-.5946	.2561	.4866	.3310	.0112
SDev	.2073	.9987	.6011	.2873	3.35	.068
%RSD	20.36	168	234.7	59.06	1012	607.4

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	7.696	1.537	.7589	2.424	-.8264	1.653
SDev	.0016	.594	.6074	.2379	.7824	1.499
%RSD	.0208	38.64	80.04	9.812	94.68	90.65

Elms	1960/2	*Y
Units	PPB	
Avge	-1.717	9012.75
SDev	.7491	.35355
%RSD	43.63	.00392

Method: TOTAL Sample Name: 240-24852-b-2-f ms@5 Operator:
 Run Time: 06/05/13 05:39 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	202.5	408.0	993.5	239.7	9923.	10.21
SDev	.2369	3.818	.5949	.0522	6.28	.0104
%RSD	.117	.9356	.0599	.0218	.0633	.1018

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	156500.	203.6	98.46	995.9	52.49	197.1
SDev	190.3	.0475	.1286	.3725	.2283	5.87
%RSD	.1216	.0233	.1306	.0374	.435	2.979

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	12700.	13540.	811.8	209.1	317800.	102.9
SDev	17.43	15.31	1.043	1.867	142.7	.075
%RSD	.1373	.113	.1285	.8928	.0449	.0729

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1008.	200.5	97.99	403.6	414.9	101.6
SDev	.3332	2.099	3.902	1.503	.3409	.0398
%RSD	.033	1.047	3.983	.3723	.0822	.0392

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	119.1	1007.	1009.	103.2	95.37	206.4
SDev	.122	1.781	1.389	.0449	5.828	2.432
%RSD	.1025	.177	.1376	.0435	6.112	1.179

Elms	1960/2	*Y
Units	PPB	
Avge	197.5	9039.25
SDev	1.932	3.18198
%RSD	.9784	.0352

Method: TOTAL Sample Name: 240-24852-b-2-gmsd@5 Operator:
 Run Time: 06/05/13 05:45 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	213.4	428.9	1046.	253.1	10430.	10.76
SDev	.5162	.4527	.454	.4781	17.95	.0034
%RSD	.2419	.1056	.0434	.1889	.1721	.0316

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	165000.	214.0	103.1	1046.	55.41	228.2
SDev	105.9	.0539	.2805	1.31	.2672	3.195
%RSD	.0642	.0252	.272	.1252	.4822	1.4

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	13430.	14220.	852.4	221.6	333500.	108.5
SDev	11.92	19.46	1.474	1.139	440	.2878
%RSD	.0888	.1369	.1729	.5141	.1319	.2652

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1061.	209.4	105.0	425.4	436.5	107.0
SDev	1.08	1.587	.2071	2.049	3.272	.1163
%RSD	.1017	.7578	.1972	.4815	.7497	.1087

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	120.8	1057.	1064.	109.0	103.0	212.3
SDev	.0229	1.951	2.593	.0844	.2683	2.054
%RSD	.019	.1846	.2438	.0774	.2604	.9675

Elms	1960/2	*Y
Units	PPB	
Avge	207.9	9018.5
SDev	1.353	7.77817
%RSD	.6508	.08624

Method: TOTAL Sample Name: 240-24852-e-1-f Operator:
 Run Time: 06/05/13 05:51 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0848	599.1	1.716	127.6	305.4	.2202
SDev	.0441	4.456	.6418	.6591	1.149	.0065
%RSD	52.04	.7438	37.41	.5164	.3762	2.973

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H560500.	.0084	1.367	1.638	2.228	-.0290
SDev	241.8	.1376	.2915	.1825	.0067	1.914
%RSD	.0431	1644	21.33	11.14	.3005	6606

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	38190.	509.2	1.189	18.33	H1488e3	1.827
SDev	103	.9363	.0222	.9227	1670	.3293
%RSD	.2698	.1839	1.869	5.035	.1123	18.02

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0939	.9897	-.4707	3.068	.2580	10.84
SDev	.2299	1.568	.387	.2282	3.349	.2244
%RSD	244.8	158.5	82.21	7.435	1298	2.069

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	13.23	1.238	-.4775	1.078	-1.244	8.093
SDev	.0248	1.91	1.298	.1323	.6462	.4427
%RSD	.1873	154.3	271.9	12.27	51.95	5.47

Elms	1960/2	*Y
Units	PPB	
Avge	-2.557	8530.5
SDev	2.572	3.53553
%RSD	100.6	.04144

Method: TOTAL Sample Name: 240-24852-e-3-e Operator:
 Run Time: 06/05/13 05:57 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.2556	853.0	2.427	79.94	292.0	.2754
SDev	.4394	.5373	2.242	2.119	.2037	.016
%RSD	171.9	.063	92.38	2.651	.0698	5.825

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H560600.	-.1247	-.2888	1.078	2.473	2.968
SDev	920.4	.0172	.2929	.0639	.1469	1.965
%RSD	.1642	13.79	101.4	5.932	5.942	66.19

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	33930.	319.6	.5763	6.688	H1481e3	.6078
SDev	30.66	2.506	.0232	1.04	2416	.33
%RSD	.0903	.784	4.024	15.55	.1632	54.28

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.4463	1.068	1.283	2.081	1.426	3.019
SDev	.9318	.8774	1.167	1.42	1.676	.368
%RSD	208.8	82.19	90.99	68.23	117.5	12.19

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	21.73	-.9867	-.1768	.2995	1.773	3.773
SDev	.1248	2.088	.3546	1.928	.7871	5.54
%RSD	.5742	211.6	200.5	643.7	44.39	146.9

Elms	1960/2	*Y
Units	PPB	
Avge	-.2830	8525.5
SDev	1.451	18.3848
%RSD	512.6	.21564

Method: TOTAL Sample Name: CCV Operator:
 Run Time: 06/05/13 06:03 Filename: I60604B
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1049.	26070.	519.1	5285.	2112.	2130.
SDev	3.622	82.7	.5322	.7078	4.201	6.55
%RSD	.3452	.3172	.1025	.0134	.1989	.3075

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	52100.	529.1	2136.	2126.	2092.	26440.
SDev	197	1.81	8.941	9.398	4.686	98.41
%RSD	.3782	.3421	.4186	.442	.224	.3722

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	53610.	52820.	2123.	2130.	50950.	2127.
SDev	183.6	238.2	8.3	13.35	52.86	6.567
%RSD	.3424	.4509	.3909	.6267	.1038	.3088

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	529.2	523.8	528.9	5302.	1068.	2108.
SDev	.152	2.734	1.294	24.54	3.005	7.211
%RSD	.0287	.5219	.2446	.4627	.2814	.3421

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2146.	535.4	526.1	533.3	526.6	534.1
SDev	6.13	.7895	.1665	1.16	1.361	1.113
%RSD	.2856	.1474	.0316	.2175	.2584	.2084

Elms	1960/2	*Y
Units	PPB	
Avge	518.7	9152.75
SDev	3.543	15.9099
%RSD	.6831	.17382

Method: TOTAL Sample Name: CCB Operator:
 Run Time: 06/05/13 06:08 Filename: I60604B
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.5492	-3.830	.2736	18.51	.0989	.1755
SDev	.7505	1.34	.9553	4.482	.0352	.0074
%RSD	136.7	34.98	349.1	24.21	35.55	4.232

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.463	-.0155	.2567	-.5251	.8806	-.4134
SDev	.2929	.0883	.0894	.3995	.5194	5.068
%RSD	20.02	568.6	34.81	76.07	58.99	1226

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	30.45	104.9	.1127	7.222	-693.4	-.3229
SDev	3.219	2.908	.0404	5.022	104.2	.1904
%RSD	10.57	2.772	35.83	69.53	15.03	58.95

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2050	-2.309	-.3154	1.438	-1.833	-.0807
SDev	.1624	.0645	.9254	.8907	1.496	.4815
%RSD	79.25	2.794	293.4	61.93	81.63	596.5

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.9097	.0162	.2989	.2085	-.5770	-.9314
SDev	.0506	.8469	.6663	1.689	.544	4.032
%RSD	5.564	5236	222.9	810	94.29	432.9

Elms	1960/2	*Y
Units	PPB	
Avge	-2.997	9220.5
SDev	2.11	10.6066
%RSD	70.4	.11503

Method: TOTAL Sample Name: 240-24852-b-4-e Operator:
 Run Time: 06/05/13 06:14 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1987	10.98	5.484	345.1	501.2	.2220
SDev	.6072	1.039	.5706	2.809	2.634	.0159
%RSD	305.6	9.469	10.4	.8139	.5254	7.151

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H518800.	.8200	4.130	3.219	4.670	117.2
SDev	1972	.0694	.653	.0024	.0936	3.907
%RSD	.3802	8.463	15.81	.0752	2.004	3.335

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3254.	39890.	5135.	4.249	H1325e3	6.960
SDev	12.74	176.3	27.79	.3735	7229	.1701
%RSD	.3914	.442	.5412	8.789	.5454	2.444

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4.124	1.537	2.096	1.907	3.172	.3841
SDev	.2804	.8542	.3771	1.09	2.06	.2834
%RSD	6.799	55.58	17.99	57.15	64.94	73.77

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	42.99	2.675	4.847	.8033	2.742	9.610
SDev	.2117	.1288	.4847	1.908	1.518	.4311
%RSD	.4925	4.815	9.999	237.5	55.36	4.486

Elms	1960/2	*Y
Units	PPB	
Avge	-2.493	8609.25
SDev	1.496	41.3657
%RSD	59.99	.48048

Method: TOTAL Sample Name: 240-24852-c-5-e Operator:
 Run Time: 06/05/13 06:20 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0007	4.117	2.728	120.3	277.4	.1454
SDev	.4543	.4449	.6255	.4423	.0316	.0151
%RSD	68900	10.81	22.93	.3678	.0114	10.39

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H541600.	.0642	-.0882	.7507	1.730	-9.868
SDev	593.8	.0752	.3836	.2663	.027	.649
%RSD	.1096	117.2	435.1	35.48	1.562	6.576

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	6631.	44220.	.9471	17.32	H1404e3	.6861
SDev	8.68	48.84	.0446	.875	1702	.6078
%RSD	.1309	.1104	4.707	5.053	.1213	88.59

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.5756	-.8323	3.078	.8816	.3272	17.41
SDev	.6567	1.477	1.157	.3826	1.76	.2416
%RSD	114.1	177.4	37.58	43.4	537.8	1.387

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	11.21	.1945	-.9604	2.327	3.453	6.739
SDev	.0058	.2526	.8584	.3804	1.924	4.033
%RSD	.0516	129.9	89.38	16.35	55.72	59.85

Elms	1960/2	*Y
Units	PPB	
Avge	-4.612	8629.75
SDev	.2005	13.7886
%RSD	4.347	.15977

Method: TOTAL Sample Name: 240-24852-b-6-e Operator:
 Run Time: 06/05/13 06:26 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1048	32.02	1.818	119.2	522.2	.1906
SDev	.4972	.1089	.0088	.8528	.519	.0084
%RSD	474.4	.3402	.4829	.7155	.0994	4.396

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H549000.	.4155	5.901	1.165	1.880	26.08
SDev	733.2	.0518	.4693	.1826	.6183	.0712
%RSD	.1336	12.47	7.953	15.67	32.88	.2729

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3749.	26520.	2583.	6.301	H1403e3	11.48
SDev	.8102	32.83	3.181	.2205	1245	.5901
%RSD	.0216	.1238	.1232	3.499	.0887	5.141

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.7376	1.129	-.5482	1.735	2.557	.2879
SDev	.0357	2.665	1.168	.5934	2.247	.145
%RSD	4.836	236.1	213.1	34.2	87.89	50.35

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	22.49	.3485	.9317	3.262	-2.451	7.332
SDev	.0708	1.077	.4841	2.041	.7322	.3328
%RSD	.3149	308.9	51.96	62.56	29.88	4.54

Elms	1960/2	*Y
Units	PPB	
Avge	-1.968	8630.5
SDev	4.162	14.1421
%RSD	211.4	.16386

Method: TOTAL Sample Name: 240-24852-e-7-e Operator:
 Run Time: 06/05/13 06:32 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-1.690	94.58	.6264	114.3	134.3	.2310
SDev	1.588	.1131	.7889	.2816	.4916	.0005
%RSD	94	.1196	125.9	.2463	.3661	.2216

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H558100.	-.0831	-1.071	1.378	2.794	8.033
SDev	485.2	.1955	1.362	1.207	.6673	3.794
%RSD	.0869	235.3	127.2	87.62	23.89	47.23

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	41290.	1928.	.7032	11.78	H1537e3	-.1491
SDev	122.8	13.41	.065	1.408	3544	1.074
%RSD	.2975	.6957	9.243	11.95	.2306	720.2

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.8247	-2.806	5.777	4.025	3.714	7.590
SDev	.3175	.4928	5.482	.529	1.424	.2202
%RSD	38.5	17.57	94.89	13.14	38.35	2.901

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	12.25	-8.068	5.264	-3.709	10.51	-8.597
SDev	.1849	8.613	4.776	6.344	11.39	11.04
%RSD	1.509	106.8	90.73	171.1	108.3	128.5

Elms	1960/2	*Y
Units	PPB	
Avge	.0856	8481.75
SDev	4.775	4.59619
%RSD	5581	.05418

Method: TOTAL Sample Name: 240-24852-e-9-e Operator:
 Run Time: 06/05/13 06:38 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.2247	1004.	1.730	35.14	340.9	.2142
SDev	.5716	.9584	.5574	.2875	.4823	.0086
%RSD	254.4	.0955	32.22	.8182	.1415	4.008

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H559200.	.0271	-.1739	1.535	2.598	-1.253
SDev	913.2	.1102	.0021	.2543	.2485	4.544
%RSD	.1633	406.2	1.23	16.57	9.568	362.7

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	30660.	304.9	.7785	16.85	H1524e3	.6093
SDev	9.173	4.608	.0015	.3934	379.3	.0834
%RSD	.0299	1.512	.1946	2.335	.0249	13.69

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.9783	-3.018	-.4856	1.988	.5668	6.503
SDev	.4295	.853	.8877	.7113	1.56	.1563
%RSD	43.9	28.26	182.8	35.78	275.2	2.404

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	9.430	-.0331	1.483	-.7528	-.3521	.6016
SDev	.0695	.3	.7936	1.168	.7478	1.68
%RSD	.737	905.6	53.52	155.2	212.4	279.2

Elms	1960/2	*Y
Units	PPB	
Avge	-4.825	8500.25
SDev	.4403	14.4957
%RSD	9.124	.17053

Method: TOTAL Sample Name: 240-24852-b-10-e Operator:
 Run Time: 06/05/13 06:44 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.2495	7.575	1.646	241.9	617.4	.1644
SDev	.0445	.4129	.4039	1.275	.9469	.0155
%RSD	17.85	5.451	24.54	.5271	.1534	9.424

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H533800.	1.512	30.03	4.201	3.330	24.91
SDev	877.4	.0143	.0403	.1938	.1435	1.657
%RSD	.1644	.9462	.1344	4.613	4.311	6.651

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	16290.	59900.	10280.	-.7303	H1482e3	26.65
SDev	46.32	185.1	28.64	.5607	2633	.2768
%RSD	.2844	.309	.2786	76.78	.1777	1.039

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3.526	-.3341	-.6784	14.01	2.264	-.3361
SDev	1.135	.2415	.0796	.0314	.2352	.5775
%RSD	32.19	72.28	11.74	.2242	10.39	171.8

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	85.04	1.928	4.323	-.1261	-.9541	7.240
SDev	.2215	.5055	1.449	.3835	.3108	2.504
%RSD	.2605	26.22	33.52	304.1	32.57	34.59

Elms	1960/2	*Y
Units	PPB	
Avge	-4.116	8558.5
SDev	.8882	16.2634
%RSD	21.58	.19002

Method: TOTAL Sample Name: 240-24852-b-11-e Operator:
 Run Time: 06/05/13 06:50 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1356	8.563	1.714	159.5	1485.	.1652
SDev	.02	2.848	.7101	.2955	.2584	.0014
%RSD	14.77	33.26	41.43	.1852	.0174	.8644

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H539800.	.6795	311.8	1.952	3.970	125.0
SDev	444.5	.1016	.2016	.5838	.7322	1.377
%RSD	.0824	14.95	.0647	29.91	18.44	1.102

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1655.	84440.	4881.	3.939	H1480e3	58.55
SDev	2.031	4.58	.886	.2884	1013	.7712
%RSD	.1227	.0054	.0181	7.321	.0684	1.317

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.268	-2.582	1.638	41.87	2.119	5.564
SDev	.2245	.2258	5.205	1.642	1.048	.2077
%RSD	17.71	8.744	317.8	3.922	49.48	3.733

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	122.7	-1.933	2.866	.0060	2.452	.3507
SDev	.2041	1.687	1.179	2.576	6.517	.6843
%RSD	.1663	87.28	41.14	43180	265.7	195.1

Elms	1960/2	*Y
Units	PPB	
Avge	-4.046	8545.75
SDev	.6801	13.0815
%RSD	16.81	.15307

Method: TOTAL Sample Name: 240-24834-d-7-a Operator:
 Run Time: 06/05/13 06:56 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1171	159.0	-.0443	317.1	18.29	.0979
SDev	.309	1.357	.8795	1.171	.0036	.0063
%RSD	263.8	.8534	1984	.3694	.0195	6.476

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	316100.	.2513	3.160	1.377	1.708	492.7
SDev	199.5	.0473	.0005	.2764	.0991	3.867
%RSD	.0631	18.8	.0154	20.07	5.802	.7848

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	11420.	82520.	418.6	.4277	14310.	20.19
SDev	7.389	45.27	.2446	.0664	5.216	.1969
%RSD	.0647	.0549	.0584	15.52	.0364	.975

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2317	-1.685	.5861	-.2027	2.374	.3327
SDev	.0688	.5764	.0136	.6297	2.996	.0003
%RSD	29.69	34.2	2.319	310.7	126.2	.1051

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	941.6	-1.436	1.064	-1.035	1.396	1.607
SDev	.3169	.2379	.0156	2.175	1.106	5.709
%RSD	.0337	16.57	1.47	210.1	79.27	355.2

Elms	1960/2	*Y
Units	PPB	
Avge	-3.329	9078.75
SDev	3.715	1.76776
%RSD	111.6	.01947

Method: TOTAL Sample Name: 240-24806-j-1-a Operator:
 Run Time: 06/05/13 07:02 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.8411	6.484	.5281	30.18	72.99	.0437
SDev	1.731	4.796	2.771	.0953	.5614	.0121
%RSD	205.8	73.96	524.7	.3159	.7692	27.77

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	153400.	-.0129	.1416	-.7279	44.21	1107.
SDev	1384	.0943	1.257	1.414	.3239	17.77
%RSD	.9023	729.3	887.4	194.2	.7328	1.605

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2127.	34080.	62.66	-.3682	52850.	2.517
SDev	69.73	314.8	.5936	1.313	781.9	1.774
%RSD	3.278	.9237	.9473	356.5	1.479	70.5

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.8079	-1.304	2.341	.1816	3.311	-.3534
SDev	.355	.426	5.827	.3426	1.956	.5426
%RSD	43.94	32.67	248.9	188.6	59.09	153.5

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	58.96	-5.650	4.032	-2.870	4.943	-2.372
SDev	1.003	5.18	2.054	1.172	9.321	9.183
%RSD	1.702	91.69	50.95	40.83	188.6	387.1

Elms	1960/2	*Y
Units	PPB	
Avge	-.7707	9173.75
SDev	3.946	66.1145
%RSD	512	.72069

Method: TOTAL Sample Name: mb 240-88249/1-a Operator:
 Run Time: 06/05/13 07:10 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.4641	4.365	.0609	-1.144	.9026	.0326
SDev	.6599	.1531	.592	.1621	.0677	.0115
%RSD	142.2	3.507	972.3	14.17	7.498	35.22

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	262.9	.0568	-.1139	-.7367	1.991	2.658
SDev	2.969	.1389	.2638	.145	.3727	.9188
%RSD	1.129	244.4	231.5	19.69	18.72	34.56

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	36.67	H156.2	.3052	-.2923	-963.3	-.0267
SDev	.7172	.5891	.0006	.8992	4.368	.2247
%RSD	1.956	.3772	.2031	307.6	.4534	841.2

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.4366	-2.111	.6077	-.4166	.2339	-.1480
SDev	.1766	1.253	.0789	.3794	2.975	.1347
%RSD	40.44	59.36	12.98	91.08	1272	91

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	11.48	-1.928	1.617	.9179	.4528	1.400
SDev	.0844	1.631	.5495	1.296	.5287	.2883
%RSD	.7352	84.61	33.99	141.2	116.8	20.59

Elms	1960/2	*Y
Units	PPB	
Avge	-3.864	9355.25
SDev	2.022	13.7886
%RSD	52.34	.14738

Method: TOTAL Sample Name: CCV Operator:
 Run Time: 06/05/13 07:16 Filename: I60604B
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1053.	26250.	522.8	5300.	2134.	2133.
SDev	.2302	4.479	1.967	17.04	4.543	.8633
%RSD	.0219	.0171	.3762	.3216	.2129	.0405

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	52040.	529.3	2133.	2128.	2109.	26450.
SDev	46.53	.1635	.3599	.0773	.0285	10.46
%RSD	.0894	.0309	.0169	.0036	.0014	.0395

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	54120.	52660.	2122.	2128.	51350.	2127.
SDev	35.81	56.88	1.319	26.05	184.2	3.757
%RSD	.0662	.108	.0621	1.224	.3586	.1766

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	529.4	526.4	529.4	5286.	1068.	2113.
SDev	.5827	.9497	1.285	8.029	6.047	.0571
%RSD	.1101	.1804	.2427	.1519	.5663	.0027

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2146.	532.5	527.8	534.7	526.8	532.3
SDev	.1195	1.868	.0589	3.38	3.614	2.748
%RSD	.0056	.3508	.0112	.6322	.686	.5163

Elms	1960/2	*Y
Units	PPB	
Avge	523.4	9081.25
SDev	.0518	8.13172
%RSD	.0099	.08954

Method: TOTAL Sample Name: CCB Operator:
 Run Time: 06/05/13 07:22 Filename: I60604B
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.6076	-4.221	.7051	18.53	.0998	.2374
SDev	.2249	2.736	1.472	5.213	.0352	.0075
%RSD	37.02	64.82	208.7	28.13	35.22	3.17

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3.358	-.0034	-.1275	-.3878	1.072	2.768
SDev	.48	.0392	.0907	.2525	.1878	3.024
%RSD	14.29	1156	71.14	65.11	17.52	109.2

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	31.55	106.0	.1430	7.979	-716.8	-.1904
SDev	15.81	.0076	.0402	2.764	194.3	.3831
%RSD	50.12	.0072	28.09	34.65	27.11	201.2

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.4504	-1.512	.4260	1.119	1.328	.0180
SDev	.7277	.9493	.3937	.018	.4653	.3318
%RSD	161.6	62.77	92.41	1.607	35.03	1844

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.9779	-1.102	1.225	-.0428	.6600	-3.376
SDev	.0222	.4816	.8506	.6155	.283	5.54
%RSD	2.271	43.68	69.42	1440	42.87	164.1

Elms	1960/2	*Y
Units	PPB	
Avge	-.5821	9150.25
SDev	1.343	9.54594
%RSD	230.7	.10432

Method: TOTAL Sample Name: lcs 240-88249/2-a Operator:
 Run Time: 06/05/13 07:28 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	48.64	1944.	1919.	977.5	1959.	47.89
SDev	.1043	3.658	2.141	3.981	2.222	.037
%RSD	.2144	.1882	.1116	.4072	.1134	.0772

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	48130.	48.80	489.1	195.4	244.2	968.5
SDev	39.16	.0087	.3782	.1111	.0839	1.47
%RSD	.0814	.0179	.0773	.0569	.0344	.1518

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	50860.	49040.	496.3	961.3	49420.	492.1
SDev	84.37	59.07	.0395	15.34	21.45	.9398
%RSD	.1659	.1204	.008	1.596	.0434	.191

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	481.4	1975.	476.0	1917.	1968.	488.3
SDev	.8035	8.524	.7861	.2384	.7143	.4591
%RSD	.1669	.4317	.1651	.0124	.0363	.094

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	506.4	479.3	482.4	488.1	470.0	1984.
SDev	.1051	.204	1.307	1.62	.3697	5.597
%RSD	.0208	.0426	.2708	.332	.0787	.282

Elms	1960/2	*Y
Units	PPB	
Avge	1970.	9133.75
SDev	9.986	.35355
%RSD	.507	.00387

Method: TOTAL Sample Name: 240-24834-D-5-C@5 Operator:
 Run Time: 06/05/13 07:34 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.2283	53.31	1.607	94.12	3.810	.0354
SDev	.3497	1.076	.2588	.5607	.028	.0015
%RSD	153.2	2.018	16.11	.5957	.7351	4.363

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	84710.	-.1265	4.546	.3946	.6392	1620.
SDev	130.8	.0923	.0079	.1303	.1308	4.036
%RSD	.1544	73.02	.1727	33.01	20.47	.2492

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1698.	25340.	1347.	4.711	3414.	15.14
SDev	2.556	43.85	2.208	2.317	94.37	.3369
%RSD	.1505	.173	.1639	49.18	2.764	2.225

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.9587	-1.174	1.168	.4653	2.129	.0311
SDev	.1536	.2057	2.329	.7277	1.568	.1301
%RSD	16.02	17.52	199.3	156.4	73.67	417.8

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2499.	-.8058	1.839	1.299	1.103	.1763
SDev	5.25	1.29	.8745	.6155	3.799	5.012
%RSD	.21	160.1	47.54	47.39	344.4	2843

Elems	1960/2	*Y
Units	PPB	
Avge	-1.848	9110.5
SDev	2.811	17.6777
%RSD	152.1	.19403

Method: TOTAL Sample Name: 240-24834-d-6-c Operator:
 Run Time: 06/05/13 07:40 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.8400	4334.	13.79	137.5	76.17	.2458
SDev	.5079	5.43	.9828	.3586	.2393	.0079
%RSD	60.47	.1253	7.125	.2608	.3141	3.211

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H516000.	-.1009	62.19	1516.	56.05	35040.
SDev	696.9	.1393	.4471	3.741	.7137	104.8
%RSD	.135	138.2	.7189	.2468	1.273	.299

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	7265.	337500.	24030.	41.04	77330.	798.8
SDev	30.13	956.7	60.52	1.2	235.2	3.389
%RSD	.4147	.2835	.2519	2.923	.3042	.4242

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	14.99	-1.186	1.168	-3.583	9.315	19.03
SDev	.6526	1.332	.4128	.3798	3.518	.114
%RSD	4.353	112.3	35.34	10.6	37.77	.5991

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	136.5	11.44	16.77	.8183	1.343	10.59
SDev	.5611	1.977	.0087	3.343	1.05	.0776
%RSD	.4109	17.29	.0519	408.5	78.22	.733

Elms	1960/2	*Y
Units	PPB	
Avge	-7.066	8889.25
SDev	2.036	10.9602
%RSD	28.82	.12329

Method: TOTAL Sample Name: 240-24834-d-7-c Operator:
 Run Time: 06/05/13 07:46 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.8557	167.1	.5450	301.3	17.06	.0994
SDev	.6181	5.128	.9943	.8442	0	.0361
%RSD	72.23	3.068	182.4	.2802	.0002	36.31

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	294600.	.1082	2.584	.6245	1.591	494.9
SDev	1620	.1765	.0819	1.124	.0332	6.015
%RSD	.5498	163.1	3.168	180	2.087	1.215

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	10660.	77840.	395.1	.3811	13060.	18.63
SDev	26.55	330.3	.7186	.9217	358.2	1.507
%RSD	.2491	.4244	.1819	241.8	2.742	8.087

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.9177	-.4928	1.416	-2.763	-1.111	.2382
SDev	1.087	.216	2.581	.4168	1.149	.5468
%RSD	118.4	43.84	182.2	15.08	103.4	229.6

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	890.5	-2.939	2.843	-1.631	2.938	.3930
SDev	3.735	2.233	.5143	.1184	3.811	2.953
%RSD	.4194	75.97	18.09	7.259	129.7	751.4

Elms	1960/2	*Y
Units	PPB	
Avge	-.9351	9063.75
SDev	1.798	37.8302
%RSD	192.3	.41737

Method: TOTAL Sample Name: 240-24781-b-12-a Operator:
 Run Time: 06/05/13 07:51 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.3049	22.89	.6196	2.289	.7761	.0614
SDev	.2017	.3481	1.349	.6092	.0819	.0243
%RSD	66.15	1.521	217.8	26.61	10.56	39.59

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	311.0	.0184	.0647	-.3472	1.621	6.004
SDev	1.892	.0622	.1756	.6485	.535	3.317
%RSD	.6083	337.4	271.2	186.8	33.01	55.25

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	33.67	115.6	.2291	.1409	125.0	.2156
SDev	8.55	4.072	.0763	.0508	55.96	.1125
%RSD	25.4	3.521	33.3	36.09	44.75	52.18

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.4175	-1.297	1.426	-.7643	-1.281	.1453
SDev	.6481	.0945	.0307	2.704	1.958	.0065
%RSD	155.2	7.288	2.153	353.8	152.8	4.484

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2.052	-1.316	1.283	1.453	1.412	2.405
SDev	.1206	1.552	.197	.6264	.3587	.5982
%RSD	5.878	117.9	15.35	43.1	25.4	24.88

Elms	1960/2	*Y
Units	PPB	
Avge	-3.144	9129
SDev	.157	127.279
%RSD	4.992	1.39422

Method: TOTAL Sample Name: 240-24742-j-1-d Operator:
 Run Time: 06/05/13 07:57 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.6463	363.9	8.823	701.0	19.29	.2333
SDev	.411	3.368	.0407	2.478	.1881	.0052
%RSD	63.59	.9255	.461	.3534	.9751	2.24

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	117200.	-.0531	.3375	.7105	3.825	16530.
SDev	110.2	.0445	.5434	.0191	.0782	16.88
%RSD	.0941	83.87	161	2.693	2.045	.1021

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	21260.	48160.	2493.	2.522	192400.	1.360
SDev	28.74	35.27	1.589	.4	293.8	.1171
%RSD	.1352	.0732	.0638	15.86	.1527	8.615

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.9840	-1.855	.4632	-1.928	-.4538	-.1936
SDev	.4567	.7768	1.58	.7216	.3666	.2052
%RSD	46.41	41.88	341.1	37.43	80.8	106

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	12.33	-1.641	2.294	-1.527	1.457	-1.613
SDev	5.95	.2521	.5588	1.689	1.526	4.017
%RSD	48.25	15.37	24.36	110.6	104.7	249

Elms	1960/2	*Y
Units	PPB	
Avge	-1.975	9104.25
SDev	.8407	11.6673
%RSD	42.56	.12815

Method: TOTAL Sample Name: 240-24742-h-1-b Operator:
 Run Time: 06/05/13 08:03 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.3553	147.2	1.806	694.7	16.79	.1237
SDev	.3291	1.38	1.078	2.839	.0196	.0205
%RSD	92.64	.9375	59.72	.4086	.1168	16.57

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	116500.	-.1057	.7189	.2457	1.960	9149.
SDev	148.5	.0461	.181	.0865	.1213	6.11
%RSD	.1275	43.56	25.18	35.19	6.19	.0668

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	21260.	48410.	2491.	2.011	190400.	2.885
SDev	17.73	75.47	2.864	.7291	62.6	.3432
%RSD	.0834	.1559	.115	36.25	.0329	11.9

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.6611	-.8782	-.3970	-1.503	4.626	-.3985
SDev	.621	.9167	.4273	.5634	1.174	.0016
%RSD	93.93	104.4	107.6	37.48	25.38	.4103

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4.281	-1.002	1.491	-.2476	-.4716	3.069
SDev	.0081	.547	1.204	1.089	1.184	1.804
%RSD	.1883	54.57	80.74	439.7	251.1	58.78

Elems	1960/2	*Y
Units	PPB	
Avge	-2.849	9098.5
SDev	2.275	10.6066
%RSD	79.86	.11657

Method: TOTAL Sample Name: 240-24819-i-12-a Operator:
 Run Time: 06/05/13 08:09 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.4610	8.265	2.767	88.96	267.6	.0057
SDev	.0609	3.773	.2662	.5067	.0318	.012
%RSD	13.21	45.65	9.62	.5695	.0119	208.2

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	104800.	.0635	2.290	-.3350	3.537	-3.736
SDev	112.4	.1235	.0875	.5429	.0818	5.985
%RSD	.1072	194.5	3.819	162	2.312	160.2

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4522.	29570.	556.1	3.341	35930.	6.107
SDev	13.42	39.78	.2864	.4588	28.56	.562
%RSD	.2969	.1345	.0515	13.73	.0795	9.202

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.4604	-1.813	-.7856	-1.917	.0396	-.2799
SDev	.6338	1.175	2.163	1.544	2.229	.3337
%RSD	137.7	64.79	275.3	80.55	5632	119.2

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	10.60	.7991	.2912	1.782	-2.067	1.478
SDev	.274	1.06	.4207	1.298	2.595	2.334
%RSD	2.585	132.7	144.5	72.87	125.5	157.9

Elms	1960/2	*Y
Units	PPB	
Avge	-3.457	9246.25
SDev	.5962	9.54594
%RSD	17.25	.10324

Method: TOTAL Sample Name: 240-24819-i-13-a Operator:
 Run Time: 06/05/13 08:15 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1364	19.94	-1.112	1.095	.7619	.0114
SDev	.1217	1.414	.3042	.4491	.0018	.0017
%RSD	89.27	7.093	27.35	41.02	.232	14.85

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	283.6	-.0034	-.1810	-.3962	.9132	-6.631
SDev	5.404	.1119	.1763	.5008	.1355	.2518
%RSD	1.905	3339	97.39	126.4	14.84	3.797

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	34.91	112.3	.1394	-.2426	-36.14	-.1070
SDev	6.248	.139	.0803	.0631	120.9	.038
%RSD	17.9	.1238	57.6	26	334.5	35.53

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.4381	-2.381	.7341	-.0899	-1.391	-.1934
SDev	.4916	3.17	1.074	1.904	.8492	.2002
%RSD	112.2	133.1	146.2	2119	61.05	103.5

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3.083	-.5908	.9515	.8383	.6821	.9785
SDev	.166	1.65	1.561	.4708	1.845	5.321
%RSD	5.383	279.3	164	56.16	270.4	543.8

Elms	1960/2	*Y
Units	PPB	
Avge	-4.058	9286.75
SDev	2.096	20.8596
%RSD	51.66	.22461

Method: TOTAL Sample Name: 240-24834-d-1-f Operator:
 Run Time: 06/05/13 08:21 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0061	20.43	-.0311	.0666	.3443	.0302
SDev	.2021	2.696	.548	.1888	.0346	.0004
%RSD	3320	13.19	1763	283.6	10.05	1.407

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	70.74	.0099	.2579	.3405	1.212	31.48
SDev	.2668	.0363	.0888	.1243	.2919	3.573
%RSD	.3772	366.6	34.44	36.5	24.09	11.35

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	29.42	117.8	2.974	-.1503	-1092.	.2133
SDev	.999	.1797	1.694	.3239	83.18	.0377
%RSD	3.396	.1526	56.95	215.5	7.617	17.66

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.8990	-1.951	-.8446	.1170	1.273	-.0052
SDev	.2941	.2733	.0119	.9509	1.143	.0658
%RSD	32.71	14.01	1.413	813.1	89.78	1272

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4.231	-.9079	1.801	-.7557	-.8889	2.448
SDev	.1539	1.936	1.407	4.382	2.17	2.907
%RSD	3.637	213.2	78.16	579.8	244.1	118.8

Elms	1960/2	*Y
Units	PPB	
Avge	-4.146	9277.5
SDev	1.861	4.94974
%RSD	44.88	.05335

Method: TOTAL Sample Name: CCV Operator:
 Run Time: 06/05/13 08:28 Filename: I60604B
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1012.	25250.	507.5	5115.	2062.	2067.
SDev	.4324	12.06	1.567	13.79	.6596	.2565
%RSD	.0427	.0478	.3088	.2696	.032	.0124

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	50090.	511.9	2053.	2041.	2026.	25420.
SDev	28.78	.6944	2.075	2.006	2.02	1.602
%RSD	.0575	.1357	.1011	.0983	.0997	.0063

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	51830.	50630.	2039.	2027.	49270.	2062.
SDev	76.16	51.18	1.142	24.94	165.2	2.768
%RSD	.1469	.1011	.056	1.231	.3354	.1342

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	510.8	506.3	508.9	5086.	1020.	2032.
SDev	1.728	5.316	3.375	.7848	6.413	1.363
%RSD	.3383	1.05	.6632	.0154	.6287	.0671

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2069.	507.4	512.5	508.1	509.3	504.2
SDev	1.835	1.385	3.282	1.81	5.964	7.665
%RSD	.0887	.2729	.6404	.3562	1.171	1.52

Elems	1960/2	*Y
Units	PPB	
Avge	507.4	9188.5
SDev	4.143	11.3137
%RSD	.8166	.12312

Method: TOTAL Sample Name: CCB Operator:
 Run Time: 06/05/13 08:34 Filename: I60604B
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0670	10.22	.3719	17.98	.1466	.1296
SDev	.0202	1.69	.5207	4.706	.0347	.0319
%RSD	30.07	16.55	140	26.17	23.66	24.6

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	28.63	-.0154	-.0543	-.3979	.2877	9.755
SDev	.9579	.048	.0001	.4981	.4938	3.253
%RSD	3.346	312.4	.1259	125.2	171.6	33.35

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	26.46	108.6	.2366	6.676	-962.0	-.2659
SDev	6.118	1.517	.0198	3.283	122	.0375
%RSD	23.12	1.396	8.362	49.17	12.68	14.11

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.8454	-.1162	1.366	1.712	-1.295	.1969
SDev	.6618	1.819	1.846	1.296	1.375	.2065
%RSD	78.28	1565	135.1	75.7	106.2	104.9

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4.232	-1.109	1.821	-.6310	2.363	-3.470
SDev	.0769	.3452	.8199	.248	2.643	.3342
%RSD	1.818	31.12	45.02	39.31	111.9	9.631

Elms	1960/2	*Y
Units	PPB	
Avge	1.558	9321.25
SDev	2.894	1.76776
%RSD	185.7	.01896

Method: TOTAL Sample Name: 240-24834-d-3-a Operator:
 Run Time: 06/05/13 08:40 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.5813	1895.	2.570	194.3	35.65	.0962
SDev	.529	2.87	.1952	.1896	.1084	.0733
%RSD	91	.1514	7.597	.0976	.304	76.18

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	79180.	.0310	2.004	9.052	3.219	3228.
SDev	57.97	.0577	.1841	.2197	.5597	7.663
%RSD	.0732	185.8	9.187	2.427	17.39	.2374

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	6286.	64550.	313.3	1.566	18440.	7.599
SDev	6.727	74.18	.3885	.9217	145.4	.747
%RSD	.107	.1149	.124	58.84	.7885	9.83

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.520	-.4070	-.7381	-1.012	4.468	4.327
SDev	.4206	.4612	.1748	.7055	.9235	.2183
%RSD	27.67	113.3	23.68	69.7	20.67	5.046

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	52.34	-.6464	2.601	.6168	-1.414	2.569
SDev	.0545	1.783	.2596	1.677	1.099	1.717
%RSD	.1041	275.9	9.98	272	77.73	66.84

Elms	1960/2	*Y
Units	PPB	
Avge	-1.893	9192.75
SDev	.1658	27.9307
%RSD	8.758	.30383

Method: TOTAL Sample Name: 240-24834-d-2-h Operator:
 Run Time: 06/05/13 08:46 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0427	1197.	2.699	253.2	81.87	.1480
SDev	.2618	5.128	.1694	.1395	.2543	.0121
%RSD	612.6	.4283	6.276	.0551	.3106	8.15

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	58380.	.0598	2.856	2.348	3.145	3713.
SDev	42.22	.0762	.0906	.4148	.1877	1.19
%RSD	.0723	127.4	3.17	17.67	5.967	.032

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	6411.	13650.	2909.	2.278	6286.	9.062
SDev	17.92	6.087	.7511	.2614	74.57	.2959
%RSD	.2795	.0446	.0258	11.47	1.186	3.265

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.8623	-1.239	.6293	-.9441	.1768	3.147
SDev	.2156	2.611	.6633	.037	.8793	.331
%RSD	25	210.7	105.4	3.918	497.3	10.52

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	49.38	-2.053	2.318	-1.432	1.658	1.536
SDev	.0121	.951	.7979	1.063	.4637	.6505
%RSD	.0246	46.31	34.42	74.24	27.96	42.37

Elms	1960/2	*Y
Units	PPB	
Avge	-2.624	9266.25
SDev	3.59	6.71751
%RSD	136.8	.07249

Method: TOTAL Sample Name: 240-24648-a-3-d@10 Operator:
 Run Time: 06/05/13 08:52 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1936	13.22	.6506	4.440	58.28	.0395
SDev	.0702	.6367	.0206	1.093	1.056	.0134
%RSD	36.26	4.815	3.164	24.62	1.812	33.9

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	340100.	-.0248	.0547	2.999	21.37	-1.831
SDev	6648	.0056	.0844	.3649	.8169	2.89
%RSD	1.955	22.47	154.3	12.17	3.822	157.8

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	12050.	108.3	.3897	6.048	13160.	.0046
SDev	231.7	.1855	.1344	.0808	165.1	.6566
%RSD	1.924	.1712	34.48	1.337	1.255	14200

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	9601.	23.76	-.6342	-.0397	.7773	-.2244
SDev	173.9	.124	.5426	1.981	2.796	.0015
%RSD	1.812	.5218	85.56	4989	359.6	.6696

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	394.4	9510.	9646.	2.391	-2.145	25.04
SDev	8.065	171.2	175.3	1.659	1.642	.4486
%RSD	2.045	1.8	1.817	69.38	76.55	1.792

Elms	1960/2	*Y
Units	PPB	
Avge	23.12	9064.75
SDev	.4099	153.089
%RSD	1.772	1.68883

Method: TOTAL Sample Name: SD 240-24648-a-3d@50 Operator:
 Run Time: 06/05/13 08:58 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1675	12.24	.3133	1.215	11.59	-.0421
SDev	.1011	.2338	.5002	.7032	.0301	.0061
%RSD	60.37	1.909	159.7	57.86	.2599	14.48

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	59880.	-.0506	.1414	.3040	4.371	-.1760
SDev	34.48	.0597	.2686	.2731	.1932	1.822
%RSD	.0576	118	189.9	89.81	4.42	1036

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2167.	105.0	.0701	1.097	2399.	.1607
SDev	16.37	1.362	.02	.3897	261.1	.1899
%RSD	.7556	1.297	28.52	35.53	10.89	118.2

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1947.	3.706	.1758	.2657	-2.314	-.2372
SDev	1.06	.6222	1.318	.5559	4.26	.1352
%RSD	.0545	16.79	749.6	209.2	184.1	56.98

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	83.65	1911.	1965.	.8447	-.1582	6.129
SDev	.148	.5442	1.861	.7181	2.334	.577
%RSD	.177	.0285	.0947	85.01	1476	9.415

Elms	1960/2	*Y
Units	PPB	
Avge	2.497	9221.75
SDev	.6448	3.88908
%RSD	25.83	.04217

Method: TOTAL Sample Name: 240-24648-a-3-ems@10 Operator:
 Run Time: 06/05/13 09:04 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	98.18	204.2	484.2	99.24	4876.	4.924
SDev	.2053	2.429	2.08	.4796	17.75	.01
%RSD	.2091	1.19	.4295	.4832	.364	.2034

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	337800.	97.71	47.52	486.0	44.91	100.9
SDev	101.4	.3763	.2248	.2805	.3433	.3523
%RSD	.03	.3851	.4731	.0577	.7644	.3491

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	16830.	4883.	50.35	124.4	17760.	49.81
SDev	26.8	4.342	.0516	1.764	34.32	.0459
%RSD	.1593	.0889	.1024	1.418	.1932	.0922

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	9885.	120.7	48.89	193.4	197.4	48.84
SDev	43.42	.344	.8153	.8759	3.31	.1772
%RSD	.4392	.2851	1.667	.4528	1.677	.3629

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	434.2	9817.	9920.	50.36	48.16	122.2
SDev	.3765	21.79	54.21	.6998	1.572	.7913
%RSD	.0867	.222	.5465	1.39	3.263	.6477

Elems	1960/2	*Y
Units	PPB	
Avge	119.9	9124.5
SDev	.9108	5.65685
%RSD	.7593	.06199

Method: TOTAL Sample Name: 240-24648-a-3fmsd@10 Operator:
 Run Time: 06/05/13 09:10 Filename: I60604B
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	98.94	204.0	488.9	100.6	4915.	4.973
SDev	.0926	.1813	.1242	.7874	16.28	.0503
%RSD	.0936	.0888	.0254	.7824	.3312	1.011

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	337300.	98.47	47.94	489.5	45.45	102.3
SDev	1850	.3412	.0152	3.544	.46	4.076
%RSD	.5484	.3465	.0316	.724	1.012	3.986

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	16840.	4914.	51.08	125.1	17830.	50.37
SDev	81.37	33.17	.2779	.3897	3.429	.5598
%RSD	.4833	.675	.544	.3114	.0192	1.111

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	9875.	122.4	47.74	195.6	201.3	49.33
SDev	35.24	1.508	.4606	.4889	.6117	.064
%RSD	.3569	1.232	.9647	.2499	.3039	.1298

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	434.6	9822.	9902.	48.19	47.52	125.0
SDev	2.511	56.62	24.57	.0678	.6567	1.485
%RSD	.5777	.5765	.2481	.1406	1.382	1.188

Elms	1960/2	*Y
Units	PPB	
Avge	121.0	9097.25
SDev	1.519	38.5373
%RSD	1.255	.42361

Method: TOTAL Sample Name: CCV Operator:
 Run Time: 06/05/13 09:16 Filename: I60604B
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1011.	25290.	507.7	5127.	2073.	2065.
SDev	.8612	7.172	1.562	10.98	.2484	1.083
%RSD	.0852	.0284	.3076	.2141	.012	.0525

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	49780.	510.3	2045.	2032.	2030.	25320.
SDev	21.75	.2089	1.391	2.186	.6065	18.27
%RSD	.0437	.0409	.068	.1075	.0299	.0721

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	52020.	50270.	2036.	2019.	49400.	2060.
SDev	17.48	42.53	1.76	23.03	36.49	.7118
%RSD	.0336	.0846	.0865	1.141	.0739	.0346

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	513.1	505.6	509.7	5057.	1018.	2029.
SDev	.8883	.4844	2.13	1.274	1.407	1.994
%RSD	.1731	.0958	.4179	.0252	.1382	.0983

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2063.	503.7	517.8	506.3	511.4	506.2
SDev	2.03	.4748	1.569	2	2.195	5.492
%RSD	.0984	.0943	.303	.395	.4292	1.085

Elms	1960/2	*Y
Units	PPB	
Avge	505.3	9194
SDev	3.468	1.41421
%RSD	.6863	.01538

Method: TOTAL Sample Name: CCB Operator:
 Run Time: 06/05/13 09:22 Filename: I60604B
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.3491	5.377	.1039	19.35	.1482	.1737
SDev	.1824	2.621	.3424	4.314	.175	.0586
%RSD	52.26	48.74	329.4	22.29	118.1	33.73

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	31.62	.0461	.1306	.0066	.4941	7.021
SDev	1.262	.0418	.0895	.1878	.2204	4.808
%RSD	3.993	90.67	68.54	2866	44.61	68.49

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	36.29	107.6	.2398	7.523	-604.1	.1604
SDev	1.841	3.756	.0605	3.369	74.6	.1136
%RSD	5.074	3.49	25.23	44.78	12.35	70.82

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.464	-2.859	-.0087	1.567	2.672	-.0808
SDev	.3945	3.019	1.467	.1197	.6885	.1937
%RSD	26.95	105.6	16840	7.64	25.76	239.7

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4.256	1.096	1.647	2.137	-1.080	1.640
SDev	.2692	1.218	1.199	1.558	2.977	3.681
%RSD	6.325	111.1	72.82	72.9	275.7	224.5

Elms	1960/2	*Y
Units	PPB	
Avge	-5.104	9238.5
SDev	2.688	10.6066
%RSD	52.66	.1148

Method: TOTAL Sample Name: S0 Operator:
 Run Time: 06/05/13 11:17 Filename: I60605A
 Mode: IR Type: X Corr. Factor: 1.00000
 Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	count	count	count	count	count	count
Avge	.00065	.01152	-.01323	.02863	-.00027	.00864
SDev	.00061	.00006	.00525	.00343	.00007	.00008
%RSD	94.3257	.58638	39.7095	11.9957	28.3617	.97013

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	count	count	count	count	count	count
Avge	.02787	-.03516	-.00065	.00054	.01141	-.00315
SDev	.00056	.00325	.0003	.00076	.00016	.00061
%RSD	2.01041	9.26072	47.2122	141.421	1.42756	19.5856

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	count	count	count	count	count	count
Avge	.03613	.00108	.00032	.00092	.00766	-.00076
SDev	.00665	0	.0003	.00007	.00253	.00046
%RSD	18.4224	.0807	94.3257	8.39931	33.0223	60.675

Elms	Sn	Tl	V	Zn	2203/1	2203/2
Units	count	count	count	count	count	count
Avge	.0145	-.04298	.00016	.0019	.09242	-.00847
SDev	.00636	.00511	.00007	.00022	.04703	.00031
%RSD	43.8895	11.8987	47.2122	12.0417	50.8947	3.70683

Elms	2068/2	2068/1	1960/1	1960/2	*Y
Units	count	count	count	count	
Avge	-.00027	-.02445	-.02222	.00836	9200.25
SDev	.00007	.00709	.0004	.00092	7.42462
%RSD	28.3617	28.9901	1.80955	11.1	.0807

Method: TOTAL Sample Name: CALSTD Operator:
 Run Time: 06/05/13 11:23 Filename: I60605A
 Mode: IR Type: X Corr. Factor: 1.00000
 Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	As	B	Ba	Be	Cd
Units	count	count	count	count	count	count
Avge	7.43109	5.24646	61.1238	8.68246	47.2454	103.38
SDev	.00173	.00842	.13319	.01078	.01795	.00459
%RSD	.02334	.16066	.2179	.12422	.038	.00444

Elms	Co	Cr	Cu	Mn	Mo	Ni
Units	count	count	count	count	count	count
Avge	3.35718	14.4072	2.98397	14.9978	4.62032	7.95107
SDev	.00264	.00842	.00263	.01344	.07194	.00609
%RSD	.07867	.05846	.08828	.08963	1.55709	.07662

Elms	Sn	Tl	V	Zn	2203/1	2203/2
Units	count	count	count	count	count	count
Avge	104.229	7.97078	4.50301	11.4909	26.9649	10.2799
SDev	.00729	.03084	.00473	.00487	.02311	.01576
%RSD	.007	.38699	.10514	.0424	.08572	.15338

Elms	2068/2	2068/1	1960/1	1960/2	*Y
Units	count	count	count	count	
Avge	.64061	4.68577	2.20658	1.6646	9044.5
SDev	.00063	.00765	.00665	.00229	13.435
%RSD	.09972	.16346	.30142	.13795	.14854

Method: TOTAL Sample Name: CAL 2 Operator:
Run Time: 06/05/13 11:29 Filename: I60605A
Mode: IR Type: X Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elms	Al	Fe	*Y
Units	count	count	
Avge	6.7283	12.2416	9055.25
SDev	.00417	.00763	5.3033
%RSD	.06204	.06239	.05856

Method: TOTAL Sample Name: S100 Operator:
Run Time: 06/05/13 11:34 Filename: I60605A
Mode: IR Type: X Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elms	Ca	K	Mg	Na3302	*Y
Units	count	count	count	count	
Avge	44.072	103.477	44.0823	3.04232	9102.25
SDev	.06458	.04453	.06303	.00448	3.18198
%RSD	.14653	.04304	.14298	.14731	.03495

Method: TOTAL Sample Name: ICV Operator:
 Run Time: 06/05/13 11:38 Filename: I60605A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	753.2	12300.	367.1	1487.	1528.	1537.
SDev	.3198	16.16	.1934	6.603	.6067	.5373
%RSD	.0425	.1313	.0527	.444	.0397	.035

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	24920.	368.1	1510.	1502.	1511.	12600.
SDev	28.88	.0792	.3036	.9807	.7056	10.6
%RSD	.1159	.0215	.0201	.0653	.0467	.0841

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	25280.	24470.	1520.	1479.	24700.	1526.
SDev	21.89	23.21	1.056	21.33	165.7	.4017
%RSD	.0866	.0948	.0695	1.443	.6708	.0263

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	371.1	367.6	362.0	1487.	730.9	1491.
SDev	.0353	1.947	1.171	.5832	5.993	1.446
%RSD	.0095	.5298	.3233	.0392	.8199	.097

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1536.	369.7	371.8	366.7	359.7	367.8
SDev	.8911	2.872	1.381	1.005	2.257	4.939
%RSD	.058	.7769	.3715	.2741	.6274	1.343

Elms	1960/2	*Y
Units	PPB	
Avge	367.5	9166.75
SDev	.4538	3.18198
%RSD	.1235	.03471

Method: TOTAL Sample Name: ICBIS Operator:
 Run Time: 06/05/13 11:44 Filename: I60605A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2904	3.820	1.057	12.68	.1029	-.0145
SDev	.0427	3.349	1.118	1.446	.1019	.0456
%RSD	14.7	87.66	105.7	11.41	99.02	314.6

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-5.985	.0852	.3301	.1607	-.1487	7.829
SDev	.2031	.0379	.4587	.2384	.4666	3.48
%RSD	3.394	44.51	139	148.3	313.7	44.45

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	42.16	105.7	.0540	4.950	-919.4	.3515
SDev	.4366	.0851	.0449	1.524	253.1	.2628
%RSD	1.036	.0805	83.18	30.78	27.53	74.78

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.5381	.8304	2.694	1.358	2.477	.0504
SDev	.0187	1.049	1.672	.1237	2.245	.1282
%RSD	3.473	126.3	62.06	9.107	90.62	254.5

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.740	-.4001	1.006	1.829	3.125	-1.588
SDev	.1434	.4774	.2663	1.716	1.649	2.173
%RSD	8.242	119.3	26.47	93.84	52.77	136.9

Elms	1960/2	*Y
Units	PPB	
Avge	2.038	9515.25
SDev	.4881	353.907
%RSD	23.95	3.71936

Method: TOTAL Sample Name: CRI Operator:
 Run Time: 06/05/13 11:50 Filename: I60605A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5.281	207.4	15.82	202.4	10.09	4.995
SDev	.2649	1.279	.187	.235	.0655	.0165
%RSD	5.017	.6166	1.182	.1161	.6492	.3312

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5005.	5.220	5.479	5.419	15.42	307.5
SDev	5.302	.086	.0886	.2732	.4992	7.023
%RSD	.1059	1.648	1.618	5.041	3.239	2.284

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4731.	5036.	15.50	11.23	5179.	26.25
SDev	2.354	9.804	.0282	.1926	120.1	.4871
%RSD	.0498	.1947	.1816	1.715	2.319	1.856

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	10.36	18.74	9.969	99.21	17.77	6.727
SDev	.1661	.5225	1.186	1.432	1.835	.3357
%RSD	1.604	2.789	11.9	1.443	10.32	4.991

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	42.58	11.53	9.772	12.55	8.679	16.87
SDev	.0551	.9072	.7019	.2484	1.654	.3059
%RSD	.1294	7.87	7.183	1.979	19.06	1.813

Elms	1960/2	*Y
Units	PPB	
Avge	19.67	9248.25
SDev	.9361	4.59619
%RSD	4.759	.04969

Method: TOTAL Sample Name: CRI Operator:
 Run Time: 06/05/13 11:56 Filename: I60605A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5.137	Q376.9	9.398	29.12	197.5	4.995
SDev	.1693	3.929	1.257	.0619	.0807	.0151
%RSD	3.295	1.042	13.37	.2127	.0409	.3027

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5539.	5.079	7.291	7.637	Q32.29	276.1
SDev	.9043	.0049	.005	.368	.2732	4.187
%RSD	.0163	.096	.0681	4.819	.8462	1.516

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4696.	4995.	16.42	25.59	5180.	41.22
SDev	11.48	2.524	.0487	.4187	96.02	.1616
%RSD	.2445	.0505	.2967	1.636	1.854	.392

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	9.959	13.50	25.99	4.411	30.07	7.310
SDev	.2582	.6704	1.26	.6889	1.051	.2786
%RSD	2.593	4.966	4.848	15.62	3.496	3.811

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	Q154.4	10.09	9.895	25.56	26.20	12.32
SDev	.0938	.8248	.0246	1.349	2.563	2.172
%RSD	.0607	8.176	.2488	5.279	9.781	17.63

Elms	1960/2	*Y
Units	PPB	
Avge	14.09	9219.5
SDev	.0791	7.07106
%RSD	.5616	.07669

Method: TOTAL Sample Name: CRILL Operator:
 Run Time: 06/05/13 12:02 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4.934	213.2	12.16	204.5	206.7	5.148
SDev	.3828	.9306	.0007	.4243	.373	.0134
%RSD	7.757	.4364	.006	.2074	.1805	.2596

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5212.	2.198	7.560	5.603	26.03	108.5
SDev	1.071	.0331	.1972	.0123	.0142	2.003
%RSD	.0206	1.506	2.609	.2198	.0546	1.846

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4853.	5188.	15.91	10.24	5258.	42.89
SDev	1.009	8.289	.0344	.1756	65.15	.4489
%RSD	.0208	.1598	.216	1.715	1.239	1.047

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2.786	4.616	11.59	102.4	13.27	7.136
SDev	.3626	1.914	1.528	.2849	2.379	.0832
%RSD	13.01	41.47	13.18	.2781	17.93	1.166

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	22.71	2.382	2.988	10.87	11.94	1.881
SDev	.4304	.3096	.6981	.7046	1.939	2.911
%RSD	1.895	13	23.37	6.479	16.23	154.8

Elms	1960/2	*Y
Units	PPB	
Avge	5.981	9217.5
SDev	1.416	19.799
%RSD	23.68	.21479

Method: TOTAL Sample Name: ICSA Operator:
 Run Time: 06/05/13 12:13 Filename: I60605A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0062	478600.	4.158	3.462	1.736	.0884
SDev	.2405	1376	1.826	.4434	.1161	.0047
%RSD	3884	.2874	43.92	12.81	6.69	5.373

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	525000.	-.3968	.5058	-.6432	3.612	194300.
SDev	1088	.2032	.3852	.6064	.0481	517.7
%RSD	.2072	51.21	76.15	94.28	1.332	.2665

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	31.37	494000.	3.683	-.0551	-997.1	.0374
SDev	16.41	1320	.0985	.4931	397.5	.4068
%RSD	52.32	.2672	2.674	894.4	39.87	1086

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2.707	.1111	2.952	6.707	4.098	-.4424
SDev	1.164	.051	4.606	.3137	4.226	.2155
%RSD	42.99	45.94	156	4.677	103.1	48.72

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4.693	-13.09	10.59	5.765	1.548	5.168
SDev	.1348	3.714	3.599	1.139	6.336	3.671
%RSD	2.872	28.37	33.97	19.76	409.2	71.03

Elms	1960/2	*Y
Units	PPB	
Avge	-2.414	8725.75
SDev	1.756	22.2739
%RSD	72.76	.25526

Method: TOTAL Sample Name: ICSAB Operator:
 Run Time: 06/05/13 12:19 Filename: I60605A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1022.	480700.	963.6	1006.	503.0	491.3
SDev	1.274	262.1	4.438	1.56	.3298	.0114
%RSD	.1246	.0545	.4605	.155	.0656	.0023
Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	525400.	929.8	470.6	468.6	513.4	195000.
SDev	46.49	.5988	.0594	.0416	.5924	56.25
%RSD	.0088	.0644	.0126	.0089	.1154	.0288
Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	10750.	494000.	489.9	962.0	10420.	928.5
SDev	12.44	126	.1637	10.9	31.91	.6754
%RSD	.1157	.0255	.0334	1.133	.3063	.0727
Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	943.2	963.2	956.6	965.2	956.2	476.3
SDev	1.642	2.832	10.27	.8743	2.383	.8229
%RSD	.1741	.294	1.073	.0906	.2492	.1727
Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1002.	917.8	955.9	986.5	941.7	967.1
SDev	.2969	5.332	5.124	.4141	15.19	.236
%RSD	.0296	.5809	.536	.042	1.613	.0244
Elems	1960/2	*Y				
Units	PPB					
Avge	961.2	8711.75				
SDev	4.128	2.47487				
%RSD	.4294	.0284				

Method: TOTAL Sample Name: HIGH STD Operator:
 Run Time: 06/05/13 12:25 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.7574	57.50	H10030.	77.27	19740.	-.0164
SDev	.0006	28.14	18.7	.8305	51.27	.0005
%RSD	.0794	48.94	.1866	1.075	.2597	2.961

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	64.70	H10580.	-.6895	10300.	-.5669	22.25
SDev	32.51	24.65	.2362	23.31	.3002	7.188
%RSD	50.24	.2329	34.25	.2264	52.96	32.31

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	49.49	125.1	.1441	3.467	-714.3	.2196
SDev	1.99	27.37	.041	1.13	86.51	.6933
%RSD	4.021	21.88	28.47	32.59	12.11	315.7

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	10470.	H10150.	11.30	19.07	3.932	.2947
SDev	25.5	20.65	3.484	.1676	.3948	.2007
%RSD	.2435	.2036	30.83	.8793	10.04	68.09

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	14.32	10360.	10530.	-6.392	20.13	10070.
SDev	.1001	21.09	27.71	1.325	4.562	19.58
%RSD	.6992	.2036	.2631	20.72	22.66	.1945

Elms	1960/2	*Y
Units	PPB	
Avge	10180.	9233.25
SDev	21.19	6.0104
%RSD	.208	.06509

Method: TOTAL Sample Name: CCV Operator:
 Run Time: 06/05/13 12:31 Filename: I60605A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	965.2	24280.	484.3	4868.	1957.	1972.
SDev	1.172	65.15	.1428	21.18	4.653	2.994
%RSD	.1215	.2683	.0295	.4352	.2377	.1519

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	48770.	485.9	1962.	1941.	1949.	24880.
SDev	83.66	.8133	2.818	3.31	3.642	35.63
%RSD	.1715	.1674	.1436	.1706	.1868	.1432

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	49510.	48740.	1956.	1942.	47730.	1975.
SDev	33.98	71.71	2.949	25.69	59.77	4.804
%RSD	.0686	.1471	.1508	1.323	.1252	.2433

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	491.2	486.0	481.8	4865.	970.8	1930.
SDev	1.683	2.004	2.179	7.024	8.337	2.709
%RSD	.3427	.4123	.4522	.1444	.8588	.1404

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1978.	489.3	492.1	483.8	480.8	483.8
SDev	2.585	2.564	1.244	1.148	3.84	2.538
%RSD	.1306	.524	.2528	.2373	.7987	.5245

Elms	1960/2	*Y
Units	PPB	
Avge	487.1	9211.25
SDev	4.271	24.3952
%RSD	.8768	.26484

Method: TOTAL Sample Name: CCB Operator:
 Run Time: 06/05/13 12:37 Filename: I60605A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1900	1.487	1.827	20.92	.1748	.0201
SDev	.4303	4.056	.3571	4.591	.1403	.0456
%RSD	226.4	272.8	19.54	21.94	80.23	226.8

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-6.204	.1687	.2000	.1190	.0622	4.264
SDev	1.481	.0685	.091	.127	.1144	5.272
%RSD	23.87	40.58	45.48	106.7	183.9	123.6

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	33.48	103.6	.0709	6.794	-774.7	.3830
SDev	.6609	1.923	.0204	2.96	106.1	.6125
%RSD	1.974	1.856	28.8	43.57	13.69	159.9

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.5814	1.487	2.621	1.928	4.608	.1091
SDev	.6485	1.152	1.145	.9981	.366	.0738
%RSD	111.5	77.44	43.68	51.78	7.941	67.69

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.4812	.3085	.7173	-.0485	3.953	-.9159
SDev	.1843	1.279	.3337	.9742	1.23	1.052
%RSD	38.31	414.6	46.52	2007	31.11	114.9

Elms	1960/2	*Y
Units	PPB	
Avge	2.687	9292
SDev	1.202	6.36396
%RSD	44.72	.06848

Method: TOTAL Sample Name: mb 240-86775/1-a Operator:
 Run Time: 06/05/13 12:43 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.4170	4.373	.8463	9.148	.3235	.0279
SDev	.1829	1.61	.0675	1.14	.3503	.0723
%RSD	43.85	36.81	7.978	12.46	108.3	259.3

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	20.69	.1114	.3293	.3268	-.3980	2.982
SDev	2.356	.1786	.0898	.1274	.1334	10.21
%RSD	11.38	160.3	27.26	38.97	33.52	342.4

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	43.24	105.1	.2283	1.710	-605.1	.1671
SDev	1.566	5.411	.1222	.9156	33.85	.3816
%RSD	3.623	5.15	53.53	53.53	5.595	228.4

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.8841	.9716	1.595	10.12	2.658	-.1406
SDev	.1682	.0674	1.445	.2096	1.563	.1324
%RSD	19.02	6.935	90.6	2.071	58.82	94.16

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4.621	2.271	.1911	4.163	.3132	1.733
SDev	.1408	3.223	1.357	.7211	1.807	.5625
%RSD	3.048	141.9	709.9	17.32	576.9	32.45

Elms	1960/2	*Y
Units	PPB	
Avge	.5914	9309.5
SDev	.3818	19.0919
%RSD	64.56	.20507

Method: TOTAL Sample Name: lcs 240-86775/2-a Operator:
 Run Time: 06/05/13 12:49 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	52.71	2076.	2015.	1013.	2077.	50.53
SDev	.5531	.927	4.536	4.028	2.949	.1169
%RSD	1.049	.0447	.2251	.3977	.142	.2314

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	51440.	51.43	518.4	206.9	259.4	1049.
SDev	80.11	.12	.5644	.5833	.5502	10.39
%RSD	.1557	.2334	.1089	.2819	.2121	.9896

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	53010.	51530.	527.1	1035.	52030.	524.3
SDev	29.58	92.19	.9543	10.42	42.95	1.243
%RSD	.0558	.1789	.1811	1.007	.0826	.237

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	515.9	2023.	498.6	2051.	2058.	517.6
SDev	1.408	6.708	4.302	5.192	9.692	.6759
%RSD	.273	.3316	.8627	.2531	.471	.1306

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	531.4	509.7	519.1	510.4	492.7	2011.
SDev	.8312	.5566	2.389	4.2	4.353	13.12
%RSD	.1564	.1092	.4603	.8229	.8834	.6523

Elms	1960/2	*Y
Units	PPB	
Avge	2029.	9211.75
SDev	3.508	11.6673
%RSD	.1729	.12665

Method: TOTAL Sample Name: 240-24557-k-13-a Operator:
 Run Time: 06/05/13 12:55 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.2175	254.2	2.506	30.41	34.45	.0426
SDev	.118	.9791	.9563	.4134	.014	.0059
%RSD	54.28	.3852	38.17	1.36	.0405	13.91

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	57190.	.4476	31.54	3.477	-.5920	28.32
SDev	42.13	.0129	.1633	.1214	.1937	3.904
%RSD	.0737	2.875	.5177	3.492	32.72	13.79

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	919.0	13270.	9875.	2.413	13170.	1.907
SDev	3.687	5.177	12.86	1.473	23.6	.6685
%RSD	.4012	.039	.1303	61.05	.1792	35.05

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2.331	2.144	2.214	9.218	6.531	.2309
SDev	.1962	1.69	2.03	1.91	.8912	.1275
%RSD	8.418	78.82	91.67	20.72	13.65	55.22

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	7.391	3.112	1.940	.7442	2.948	2.796
SDev	.0702	.1706	.209	1.873	2.108	1.588
%RSD	.9499	5.48	10.77	251.8	71.5	56.8

Elms	1960/2	*Y
Units	PPB	
Avge	1.819	9568.25
SDev	1.741	3.88908
%RSD	95.73	.04064

Method: TOTAL Sample Name: SD 240-24557-k-13a@5 Operator:
 Run Time: 06/05/13 13:01 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.5293	60.71	2.424	9.746	7.229	-.0154
SDev	.7548	2.622	1.914	.5738	.0043	.0004
%RSD	142.6	4.32	78.95	5.887	.0595	2.563

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	11780.	.1745	6.647	.8604	-.2276	10.78
SDev	11.57	.0555	.3641	.5473	.009	.8895
%RSD	.0982	31.78	5.479	63.61	3.939	8.254

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	200.5	2814.	2077.	.1274	2674.	.3827
SDev	17.23	3.734	3.266	.6562	43.19	.3809
%RSD	8.595	.1327	.1572	515	1.615	99.53

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.3149	-.2462	1.782	2.523	3.243	-.1443
SDev	.4452	.5883	2.37	.0848	1.263	.4041
%RSD	141.4	239	133	3.362	38.93	280

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	6.533	1.793	-.4232	1.267	2.039	.1966
SDev	.0063	1.557	.1096	.0004	3.554	4.281
%RSD	.0971	86.82	25.9	.0354	174.3	2177

Elms	1960/2	*Y
Units	PPB	
Avge	-.4672	9338.5
SDev	3.019	5.65685
%RSD	646.2	.06057

Method: TOTAL Sample Name: PDS 240-24557-k-13-a Operator:
 Run Time: 06/05/13 13:07 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	94.72	6039.	347.2	3437.	94.46	28.80
SDev	.8397	8.52	.0711	9.796	.0144	.0495
%RSD	.8865	.1411	.0205	.285	.0153	.1719

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	68210.	405.1	209.1	235.9	534.6	5391.
SDev	149.1	1.22	.7469	1.202	.6102	19.26
%RSD	.2186	.301	.3571	.5096	.1141	.3572

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	6846.	16500.	9745.	117.7	71440.	302.1
SDev	25.22	42.48	17.76	.1963	309	1.758
%RSD	.3683	.2575	.1822	.1669	.4325	.582

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	176.6	457.3	166.1	351.8	532.6	59.30
SDev	.0053	.6375	1.574	.6054	.9052	.6221
%RSD	.003	.1394	.9478	.1721	.1699	1.049

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	614.8	176.2	176.7	172.8	162.8	457.5
SDev	.618	.062	.0387	1.052	2.886	2.326
%RSD	.1005	.0352	.0219	.6086	1.773	.5085

Elms	1960/2	*Y
Units	PPB	
Avge	457.2	9547
SDev	.2057	26.1629
%RSD	.045	.27404

Method: TOTAL Sample Name: 240-24557-k-13-b ms Operator:
 Run Time: 06/05/13 13:13 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	51.10	2343.	2002.	1026.	2084.	49.45
SDev	.4516	.9574	1.708	1.439	.1353	.0028
%RSD	.8837	.0409	.0853	.1402	.0065	.0057

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	107900.	50.31	538.3	204.7	253.7	1063.
SDev	1.458	.0975	.3888	.0083	.356	1.473
%RSD	.0014	.1938	.0722	.0041	.1403	.1386

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	53050.	63560.	10110.	1012.	63560.	515.7
SDev	48.4	11.76	.0718	9.227	45.19	.5375
%RSD	.0912	.0185	.0007	.9116	.0711	.1042

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	501.2	1981.	492.9	2015.	2011.	506.4
SDev	1.442	2.09	2.05	1.743	3.282	.0383
%RSD	.2877	.1055	.416	.0865	.1632	.0076

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	522.0	495.5	504.0	504.2	487.3	1972.
SDev	.2714	1.03	1.647	1.15	2.5	4.218
%RSD	.052	.2078	.3269	.228	.5131	.2138

Elms	1960/2	*Y
Units	PPB	
Avge	1986.	9474.25
SDev	1.028	5.3033
%RSD	.0518	.05597

Method: TOTAL Sample Name: 240-24557-k-13-c msd Operator:
 Run Time: 06/05/13 13:19 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	50.88	2325.	2000.	1017.	2075.	49.35
SDev	.5383	2.123	2.08	1.651	1.451	.0224
%RSD	1.058	.0913	.104	.1624	.0699	.0454

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	107100.	50.29	536.6	204.3	252.7	1054.
SDev	45.47	.0028	.1079	.8239	.1925	7.001
%RSD	.0425	.0056	.0201	.4033	.0762	.6642

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	52690.	63280.	10000.	1011.	63250.	514.3
SDev	34.92	26.37	2.675	5.927	135.3	1.247
%RSD	.0663	.0417	.0268	.5865	.2139	.2424

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	500.0	1977.	492.9	2007.	2006.	504.3
SDev	.2377	.5234	1.811	.2616	4.468	.0323
%RSD	.0475	.0265	.3675	.013	.2228	.0064

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	523.1	493.7	503.2	505.5	486.7	1966.
SDev	.1593	.8073	.0467	1.543	3.486	1.767
%RSD	.0305	.1635	.0093	.3053	.7163	.0899

Elms	1960/2	*Y
Units	PPB	
Avge	1983.	9455.75
SDev	1.667	20.8596
%RSD	.0841	.2206

Method: TOTAL Sample Name: 240-24557-d-17-a Operator:
 Run Time: 06/05/13 13:25 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.4688	294.0	1.519	13.76	108.3	.3122
SDev	.0402	.8107	.0351	2.237	.1293	.0137
%RSD	8.584	.2757	2.314	16.25	.1193	4.402

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	827.0	.2073	9.369	1.115	.3639	156.9
SDev	3.737	.0381	.0977	.0198	.4212	3.209
%RSD	.4518	18.38	1.042	1.774	115.7	2.045

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1784.	2178.	322.4	3.749	6892.	2.243
SDev	10.77	3.028	.18	1.317	78.67	.3448
%RSD	.6036	.139	.0558	35.12	1.141	15.37

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.7297	.5496	1.787	9.805	.9336	.4786
SDev	.905	.1689	1.314	.8462	4.188	.0706
%RSD	124	30.73	73.54	8.631	448.6	14.75

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	6.796	1.124	.5324	1.369	1.996	-1.642
SDev	.0225	1.994	.3614	.3661	1.787	.3985
%RSD	.3314	177.4	67.87	26.75	89.56	24.27

Elms	1960/2	*Y
Units	PPB	
Avge	1.644	9328.75
SDev	.4521	8.13172
%RSD	27.51	.08716

Method: TOTAL Sample Name: 240-24595-n-2-a Operator:
 Run Time: 06/05/13 13:31 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.5781	16.70	1.787	11.67	21.88	.0515
SDev	.1449	4.365	.9257	.4658	.0858	.0072
%RSD	25.05	26.14	51.81	3.99	.3919	13.98

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	38770.	.0761	.7334	1.441	.6550	3352.
SDev	49.72	.1149	.091	.0864	.4265	1.183
%RSD	.1282	151.1	12.4	5.995	65.13	.0353

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3797.	5776.	121.1	.9329	15740.	2.668
SDev	17.71	6.784	.1724	.0646	196	.2288
%RSD	.4663	.1174	.1424	6.93	1.246	8.574

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.3268	.3407	1.250	9.352	3.794	.0849
SDev	.2011	.0117	.632	.3915	.2426	.0001
%RSD	61.53	3.43	50.57	4.187	6.394	.1154

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	9.863	.6715	-.8256	1.360	1.194	-4.637
SDev	.1233	.8584	.1271	.8448	1.369	2.804
%RSD	1.25	127.8	15.39	62.09	114.7	60.47

Elms	1960/2	*Y
Units	PPB	
Avge	2.826	9244
SDev	1.382	8.48528
%RSD	48.92	.09179

Method: TOTAL Sample Name: 240-24595-d-3-a Operator:
 Run Time: 06/05/13 13:37 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1314	107.7	.6757	16.04	16.26	.0118
SDev	.3303	2.179	1.321	.2311	.0861	.0007
%RSD	251.3	2.023	195.4	1.441	.5296	5.939

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	20210.	.2854	.4700	1043.	.3986	108.3
SDev	.2831	.1518	.2734	.2989	.2213	5.389
%RSD	.0014	53.21	58.18	.0287	55.51	4.977

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2697.	3024.	95.77	.8431	80600.	.7920
SDev	14.34	1.397	.1126	.4663	87.92	.4246
%RSD	.5316	.0462	.1176	55.3	.1091	53.61

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0822	-.2753	2.084	8.356	.9939	1.393
SDev	.1885	.044	1.426	1.628	1.01	.1383
%RSD	229.4	15.98	68.42	19.48	101.6	9.93

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	7.580	3.170	-1.706	1.144	2.554	-.1397
SDev	.1831	.4437	.0611	1.827	1.226	1.352
%RSD	2.416	14	3.581	159.8	48.01	968.3

Elms	1960/2	*Y
Units	PPB	
Avge	-.3431	9223.75
SDev	.6092	8.83883
%RSD	177.6	.09582

Method: TOTAL Sample Name: CCV Operator:
 Run Time: 06/05/13 13:43 Filename: I60605A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	970.8	24500.	485.7	4893.	1974.	1978.
SDev	1.438	27.99	.1308	10.01	1.284	.9613
%RSD	.1481	.1142	.0269	.2047	.0651	.0486

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	49120.	488.3	1970.	1950.	1965.	24990.
SDev	74.41	.1062	1.466	2.404	.4104	31.27
%RSD	.1515	.0217	.0744	.1233	.0209	.1251

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	49790.	48900.	1958.	1952.	47950.	1980.
SDev	105.9	40.97	1.383	21.31	95.76	1.325
%RSD	.2127	.0838	.0706	1.091	.1997	.0669

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	491.7	486.0	486.5	4883.	974.7	1939.
SDev	.6224	3.703	1.17	1.493	1.248	1.594
%RSD	.1266	.7621	.2405	.0306	.128	.0822

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1987.	487.6	493.8	487.6	485.9	484.0
SDev	.5751	.6953	.586	1.525	.9929	.2124
%RSD	.0289	.1426	.1187	.3128	.2043	.0439

Elms	1960/2	*Y
Units	PPB	
Avge	486.9	9198.25
SDev	5.658	8.13172
%RSD	1.162	.0884

Method: TOTAL Sample Name: CCB Operator:
 Run Time: 06/05/13 13:49 Filename: I60605A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0428	5.992	1.457	21.06	.2498	.1296
SDev	.309	.0683	.6812	4.615	.0353	.0391
%RSD	722	1.14	46.75	21.92	14.12	30.14

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-3.327	.0975	.1969	.3758	.0009	3.775
SDev	.8392	.0006	.4554	.3617	.1087	.9842
%RSD	25.23	.6093	231.2	96.24	12010	26.07

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	44.52	104.7	.1439	6.883	-829.4	.3011
SDev	13.51	.7003	.0409	4.239	126.5	.5004
%RSD	30.34	.6686	28.4	61.58	15.25	166.2

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1392	.9372	1.542	2.631	5.578	.3983
SDev	.3113	.0478	.0757	1.445	1.285	.1941
%RSD	223.6	5.1	4.908	54.94	23.04	48.72

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.5826	.7738	-.5953	.7153	1.955	1.284
SDev	.1101	1.334	.199	2.553	1.388	1.445
%RSD	18.9	172.4	33.43	356.9	71	112.6

Elms	1960/2	*Y
Units	PPB	
Avge	.7639	9241.5
SDev	.6499	2.12132
%RSD	85.08	.02295

Method: TOTAL Sample Name: 240-24595-n-4-a Operator:
 Run Time: 06/05/13 13:55 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1863	5.490	2.648	9.669	.2243	.0105
SDev	.3073	1.737	.7529	2.036	0	.0319
%RSD	164.9	31.64	28.44	21.05	.0202	302.3

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	22.48	.0621	.2004	.4170	.0557	6.479
SDev	.9337	.0736	.0908	.4227	.7234	5.277
%RSD	4.153	118.6	45.3	101.4	1300	81.44

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	44.84	104.0	.3146	1.854	34.55	.4640
SDev	4.907	.6951	.0809	.3305	234.5	.0382
%RSD	10.94	.6686	25.73	17.82	678.5	8.238

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1135	-.1336	.0046	9.480	-.4524	.0978
SDev	.3954	.0283	.0883	.9656	4.244	.0683
%RSD	348.3	21.22	1915	10.19	938.1	69.86

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	6.622	1.572	-.9551	2.810	-1.396	-4.340
SDev	.0233	.3069	.746	1.68	.7064	1.749
%RSD	.3516	19.53	78.11	59.8	50.61	40.29

Elms	1960/2	*Y
Units	PPB	
Avge	1.966	9297.5
SDev	.8305	4.24264
%RSD	42.24	.04563

Method: TOTAL Sample Name: 240-24595-n-5-a Operator:
 Run Time: 06/05/13 14:02 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.2027	550.3	2.589	10.88	64.76	.0295
SDev	.5534	1.334	.1198	.2587	.0541	.0088
%RSD	273.1	.2424	4.626	2.377	.0835	29.63

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	7960.	.0285	13.47	1.673	.6531	13660.
SDev	18.87	.0525	.4912	.0367	.1501	41.33
%RSD	.2371	184.5	3.648	2.192	22.98	.3024

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1557.	3225.	477.0	.9263	12810.	2.387
SDev	3.213	10.27	1.191	.9941	30.29	.1472
%RSD	.2064	.3185	.2497	107.3	.2364	6.166

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2010	-.7179	2.523	9.447	3.109	.9475
SDev	.0872	2.665	2.298	.8509	5.291	.1295
%RSD	43.36	371.2	91.1	9.006	170.2	13.66

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	8.919	1.666	-.5308	1.608	2.979	-5.105
SDev	.0505	3.723	1.728	.9521	2.97	3.716
%RSD	.566	223.4	325.5	59.21	99.69	72.8

Elms	1960/2	*Y
Units	PPB	
Avge	1.472	9287.25
SDev	2.14	27.9307
%RSD	145.3	.30074

Method: TOTAL Sample Name: 240-24595-n-6-a Operator:
 Run Time: 06/05/13 14:08 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1697	24.64	1.307	10.32	39.66	.0375
SDev	.0836	1.214	1.228	.2736	.0199	.0127
%RSD	49.25	4.926	94	2.652	.0501	34.02

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	167900.	.1425	.6854	654.9	4.895	18.71
SDev	97.58	.0689	.1842	.4012	.0938	11.4
%RSD	.0581	48.39	26.88	.0613	1.916	60.9

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5835.	10880.	449.7	.9059	109800.	1.677
SDev	9.351	.1105	.0214	.2672	95.56	.2719
%RSD	.1603	.001	.0048	29.5	.0871	16.22

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1153	.1047	1.279	7.882	1.102	.8274
SDev	.4747	.7104	1.462	.1829	.6066	.2741
%RSD	411.5	678.8	114.3	2.321	55.05	33.13

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	24.09	.8871	-.2703	.4628	1.687	-2.254
SDev	.1215	2.449	.5111	1.217	2.799	.3186
%RSD	.5045	276.1	189.1	262.9	165.9	14.14

Elems	1960/2	*Y
Units	PPB	
Avge	1.282	9136.25
SDev	1.224	4.59619
%RSD	95.48	.0503

Method: TOTAL Sample Name: 240-24595-n-7-a Operator:
 Run Time: 06/05/13 14:13 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1387	23.98	1.815	9.115	39.22	.0390
SDev	.2893	1.047	1.004	.6924	.0321	.0223
%RSD	208.6	4.365	55.34	7.596	.0818	57.19

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	166700.	.1876	.8152	649.5	4.887	23.80
SDev	208.5	.0018	.0001	1.297	.2792	2.871
%RSD	.1251	.9858	.0074	.1998	5.713	12.06

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5732.	10830.	445.9	1.088	108400.	2.111
SDev	25.18	17.89	.4094	.2737	412.1	.4326
%RSD	.4392	.1653	.0918	25.15	.3802	20.5

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2658	1.561	.5397	7.639	2.662	1.017
SDev	.4385	1.825	2.215	.7298	.1785	.1413
%RSD	165	116.9	410.4	9.554	6.704	13.89

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	24.20	2.071	-.6357	.7464	.4365	-.0167
SDev	.0044	.3519	.8332	2.077	2.284	4.396
%RSD	.0181	16.99	131.1	278.3	523.1	26280

Elms	1960/2	*Y
Units	PPB	
Avge	2.348	9173.5
SDev	.541	32.5269
%RSD	23.04	.35457

Method: TOTAL Sample Name: 240-24595-d-8-a Operator:
 Run Time: 06/05/13 14:19 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.4538	3664.	1.013	205.0	21.51	3.177
SDev	.5349	.1486	.4628	.074	.0728	.006
%RSD	117.9	.0041	45.7	.0361	.3384	.1894

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5658.	185.5	33.12	1881.	17.63	2161.
SDev	1.573	.2294	.2765	2.858	.0033	4.277
%RSD	.0278	.1237	.835	.152	.0188	.1979

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3662.	2111.	2011.	.6023	159500.	13.66
SDev	8.803	.9944	2.661	.9256	40.57	.6513
%RSD	.2404	.0471	.1323	153.7	.0254	4.768

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4.628	-.3982	2.928	9.149	1.531	2.976
SDev	.9964	1.378	1.727	.1404	3.41	.0024
%RSD	21.53	346	59	1.535	222.8	.0792

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	129.9	5.251	4.317	-.8328	4.805	-2.107
SDev	.3125	1.639	.6754	1.297	1.942	.0348
%RSD	.2405	31.22	15.64	155.7	40.42	1.653

Elms	1960/2	*Y
Units	PPB	
Avge	.4548	9262.25
SDev	2.083	1.06066
%RSD	457.9	.01145

Method: TOTAL Sample Name: 240-24595-d-9-a Operator:
 Run Time: 06/05/13 14:26 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0505	72.81	.8934	15.11	54.65	.1201
SDev	.0407	.7412	.4616	.3207	.0601	.0074
%RSD	80.6	1.018	51.66	2.123	.1101	6.147

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4719.	1.839	.3826	209.6	4.622	38.28
SDev	4.668	.0886	.0909	.3792	.022	1.518
%RSD	.0989	4.817	23.76	.1809	.4769	3.964

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1333.	2361.	37.09	.2247	5983.	1.059
SDev	8.054	1.971	.0207	.0011	88.73	.4202
%RSD	.6041	.0835	.0559	.503	1.483	39.68

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2418	-1.076	.3598	8.611	3.489	.1414
SDev	.2433	.1488	.0825	.6752	3.233	.0003
%RSD	100.6	13.83	22.93	7.841	92.65	.2444

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	16.38	1.728	-.5003	-.8222	.9500	-5.968
SDev	.112	.7816	.755	2.638	1.441	.8025
%RSD	.6842	45.24	150.9	320.8	151.6	13.45

Elems	1960/2	*Y
Units	PPB	
Avge	1.366	9294.75
SDev	.1775	10.253
%RSD	12.99	.11031

Method: TOTAL Sample Name: 240-24595-d-10-a Operator:
 Run Time: 06/05/13 14:32 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.2583	92.68	1.550	28.48	29.48	.0325
SDev	.4529	1.724	.6012	.3435	.0846	.0052
%RSD	175.3	1.86	38.79	1.206	.2869	15.91

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	40000.	.2913	7.302	1.199	.7890	96.33
SDev	28.22	.0082	.2619	.4647	.233	4.516
%RSD	.0705	2.816	3.587	38.74	29.53	4.688

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5462.	11080.	355.5	-.0514	80190.	7.887
SDev	4.671	9.348	.7202	.2635	72.48	.0643
%RSD	.0855	.0844	.2026	512.2	.0904	.8151

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2076	-1.843	2.001	8.596	2.763	.7158
SDev	.1318	2.456	.6336	.8047	5.298	.1346
%RSD	63.48	133.2	31.66	9.361	191.7	18.8

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	13.67	-.2354	.4288	-.6050	3.303	-4.090
SDev	.1318	1.286	.8396	1.446	1.672	2.29
%RSD	.9643	546.2	195.8	239.1	50.63	55.98

Elms	1960/2	*Y
Units	PPB	
Avge	-.7211	9251
SDev	2.539	15.5563
%RSD	352.1	.16815

Method: TOTAL Sample Name: 240-24595-d-11-a Operator:
 Run Time: 06/05/13 14:38 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0313	256.6	2.070	111.7	24.23	-.0101
SDev	.288	1.455	.7805	.2873	.0578	.0025
%RSD	921.5	.567	37.71	.2573	.2387	24.87

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	58980.	.3914	.4795	1.408	.5401	329.1
SDev	182.3	.0013	.0896	.5138	.3625	3.903
%RSD	.3092	.3381	18.7	36.5	67.11	1.186

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1429.	3218.	8.919	.6013	23580.	1.007
SDev	10.11	6.685	.1123	.0048	138.4	.0362
%RSD	.7076	.2077	1.259	.8001	.587	3.599

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.3959	.7983	1.506	10.26	4.746	1.285
SDev	.0777	2.768	.4506	.487	.5343	.4007
%RSD	19.63	346.8	29.92	4.745	11.26	31.19

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	11.13	.0540	.5663	.4225	2.047	1.025
SDev	.0408	.508	.3701	.9589	1.154	6.13
%RSD	.3669	941.5	65.36	226.9	56.39	598

Elms	1960/2	*Y
Units	PPB	
Avge	.6850	9269
SDev	1.09	31.8198
%RSD	159.1	.34329

Method: TOTAL Sample Name: 240-24595-d-12-a Operator:
 Run Time: 06/05/13 14:44 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0654	113.3	1.051	6.515	57.35	.1105
SDev	.0608	.0922	.6378	.9888	.0993	.0236
%RSD	92.97	.0814	60.68	15.18	.1732	21.38

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	6458.	.5524	15.16	41.74	2.848	296.5
SDev	7.067	.0134	.1236	.0352	.2625	3.972
%RSD	.1094	2.42	.8153	.0842	9.214	1.34

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1860.	2926.	706.5	.4959	7118.	2.805
SDev	3.156	4.373	1.636	.5208	10.35	.6143
%RSD	.1697	.1495	.2316	105	.1454	21.91

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.4413	-1.143	2.046	8.972	1.276	.2303
SDev	.5203	.4219	1.401	1.006	.3376	.1343
%RSD	117.9	36.92	68.46	11.21	26.45	58.31

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	61.85	1.499	-.0872	1.886	2.126	-4.992
SDev	.5716	1.313	1.436	.8364	2.518	2.209
%RSD	.9242	87.58	1647	44.34	118.4	44.26

Elms	1960/2	*Y
Units	PPB	
Avge	.7785	9350
SDev	.4703	21.9203
%RSD	60.41	.23444

Method: TOTAL Sample Name: 240-24595-d-13-a Operator:
 Run Time: 06/05/13 14:50 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2005	6.442	1.891	1.294	.1748	-.0219
SDev	.0824	.9936	.0768	.3076	.0701	.0011
%RSD	41.1	15.42	4.061	23.78	40.11	5.029

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	26.83	-.0438	.2650	.5061	.4063	22.28
SDev	.0368	.1703	.1801	.5074	.1803	.3082
%RSD	.1373	388.4	67.96	100.3	44.38	1.383

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	40.50	104.3	.3573	-.0560	-618.9	.2212
SDev	2.839	.5312	.0196	.6569	76.41	.6879
%RSD	7.009	.5091	5.484	1173	12.35	311

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.3541	2.716	.5505	9.502	-.4595	.0929
SDev	.3441	1.342	1.748	1.945	1.846	.2032
%RSD	97.16	49.39	317.5	20.47	401.7	218.6

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	7.012	1.142	-1.101	1.527	.0629	1.486
SDev	.2582	.496	.7635	.8338	2.204	2.948
%RSD	3.683	43.45	69.33	54.59	3504	198.4

Elms	1960/2	*Y
Units	PPB	
Avge	3.331	9304.5
SDev	.5393	14.1421
%RSD	16.19	.15199

Method: TOTAL Sample Name: CCV Operator:
 Run Time: 06/05/13 14:56 Filename: I60605A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	968.2	24500.	482.7	4867.	1972.	1965.
SDev	4.401	106.1	3.237	32.86	9.086	9.295
%RSD	.4546	.4331	.6706	.6751	.4608	.4731

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	48850.	484.5	1958.	1940.	1959.	24830.
SDev	206.4	2.317	8.801	9.174	7.189	124
%RSD	.4225	.4782	.4495	.4729	.3669	.4992

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	49800.	48530.	1950.	1938.	48000.	1965.
SDev	141.3	209.2	8.695	31.83	277	10.24
%RSD	.2837	.4312	.4459	1.642	.5771	.5212

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	486.9	481.3	482.0	4842.	970.9	1930.
SDev	1.314	5.581	4.782	23.58	7.314	8.517
%RSD	.2699	1.16	.9921	.4871	.7533	.4414

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1973.	484.8	488.0	485.6	480.2	479.0
SDev	8.13	1.548	1.198	3.049	5.646	4.298
%RSD	.412	.3194	.2454	.6279	1.176	.8973

Elms	1960/2	*Y
Units	PPB	
Avge	482.4	9230
SDev	6.222	46.669
%RSD	1.29	.50562

Method: TOTAL Sample Name: CCB Operator:
 Run Time: 06/05/13 15:02 Filename: I60605A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1323	7.781	1.589	20.12	.2985	.1010
SDev	.7571	1.073	.6604	3.503	.035	.0063
%RSD	572.1	13.79	41.56	17.41	11.74	6.213

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-3.126	.1515	.4568	.3574	.2599	4.691
SDev	.5971	.0228	.2713	.5492	.0048	.8984
%RSD	19.1	15.02	59.39	153.7	1.865	19.15

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	47.52	105.0	.1423	6.645	-896.3	.0584
SDev	12.82	1.741	0	3.816	236.3	.6118
%RSD	26.97	1.659	.0317	57.42	26.37	1048

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0959	1.682	1.170	2.904	-.2868	.4419
SDev	.3469	.7516	1.019	.0373	.2467	.0084
%RSD	361.8	44.68	87.09	1.284	86.02	1.906

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.7824	1.260	-.7731	.2891	1.609	.0153
SDev	.0229	.6761	.1825	.9446	1.055	2.9
%RSD	2.925	53.66	23.61	326.8	65.6	19000

Elms	1960/2	*Y
Units	PPB	
Avge	2.514	9303.75
SDev	.3208	1.76776
%RSD	12.76	.019

Method: TOTAL Sample Name: 240-24603-d-2-a Operator:
 Run Time: 06/05/13 15:08 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1686	125.3	1.698	27.06	53.65	.1386
SDev	.1437	1.583	.255	.4429	.1378	.0188
%RSD	85.23	1.263	15.02	1.637	.2568	13.55

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1967.	.2067	3.136	.8504	.2841	126.2
SDev	1.791	.0581	.3609	.0203	.2139	5.183
%RSD	.091	28.14	11.51	2.391	75.29	4.107

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1178.	1721.	120.7	1.297	4478.	1.628
SDev	1.408	1.629	.0889	.858	5.599	.4602
%RSD	.1196	.0946	.0736	66.14	.125	28.26

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1664	-1.082	.6165	8.280	3.068	.6192
SDev	.5493	.7777	1.742	.5418	1.777	.2673
%RSD	330.1	71.9	282.6	6.544	57.92	43.18

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	15.56	.3672	.0659	.5135	.6679	-6.840
SDev	.099	2.648	2.145	.1245	2.675	.865
%RSD	.6362	721.1	3257	24.24	400.4	12.65

Elems	1960/2	*Y
Units	PPB	
Avge	1.793	9291
SDev	.7341	5.65685
%RSD	40.94	.06088

Method: TOTAL Sample Name: 240-24603-d-3-a Operator:
 Run Time: 06/05/13 15:14 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2293	21.13	1.269	22.85	36.75	-.0197
SDev	.4925	.8529	.3776	.5967	.0323	.0128
%RSD	214.8	4.036	29.75	2.611	.088	65.07

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	45010.	.0652	.1707	2.828	1.468	79.75
SDev	24.34	.0168	0	.3595	.4093	1.25
%RSD	.0541	25.8	.0236	12.71	27.89	1.568

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5658.	5918.	8.753	2.234	45160.	4.422
SDev	23.91	.7782	.0197	.4622	74.17	.1914
%RSD	.4226	.0131	.2246	20.7	.1642	4.328

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2553	.4020	.5022	9.034	3.519	-.1410
SDev	1.003	.8666	.2492	1.55	.5732	.1341
%RSD	392.7	215.6	49.63	17.15	16.29	95.13

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	11.63	1.019	-.1262	.6731	.4169	-2.918
SDev	.1847	1.098	.955	2.76	1.752	1.677
%RSD	1.588	107.8	757	410.1	420.2	57.45

Elms	1960/2	*Y
Units	PPB	
Avge	2.060	9277
SDev	.4622	.7071
%RSD	22.44	.00762

Method: TOTAL Sample Name: 240-24603-d-4-a Operator:
 Run Time: 06/05/13 15:20 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0690	23.25	1.014	20.32	36.19	-.0113
SDev	.3486	1.733	.7659	.4812	.011	.0131
%RSD	505	7.455	75.54	2.368	.0303	116

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	44240.	.0629	.0426	2.750	1.452	97.95
SDev	51.63	.0951	.0003	.1278	.4151	2.149
%RSD	.1167	151	.7168	4.647	28.59	2.193

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5570.	5818.	12.18	1.158	44440.	4.175
SDev	10.75	8.715	.0037	.1313	32.94	.3842
%RSD	.193	.1498	.0307	11.33	.0741	9.203

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.3424	1.877	2.294	9.008	3.637	.0949
SDev	.0981	.6389	1.314	.8517	1.887	.2027
%RSD	28.66	34.03	57.26	9.455	51.89	213.6

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	21.07	2.033	-.5018	1.773	2.554	-.6333
SDev	.0043	1.05	.377	2.401	3.168	1.132
%RSD	.0205	51.64	75.12	135.4	124	178.7

Elms	1960/2	*Y
Units	PPB	
Avge	3.131	9286
SDev	1.523	2.82842
%RSD	48.64	.03045

Method: TOTAL Sample Name: 240-24603-d-5-a Operator:
 Run Time: 06/05/13 15:25 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.3083	25.70	.9082	7.999	9.819	-.0272
SDev	.1621	.2372	.2648	.2354	.0979	.0044
%RSD	52.59	.9229	29.15	2.943	.9971	16.24

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	36090.	.2665	.4669	3.919	1.689	48.56
SDev	179.1	.0095	.451	.3278	.4581	5.952
%RSD	.4962	3.562	96.59	8.365	27.12	12.26

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2729.	2111.	48.03	1.384	10700.	2.489
SDev	15.64	14.33	.1995	.3224	172.3	.0061
%RSD	.5734	.6787	.4154	23.29	1.611	.2441

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.5970	1.507	.6348	8.365	2.742	.2387
SDev	.9607	.755	1.843	1.194	.3742	.2694
%RSD	160.9	50.09	290.3	14.27	13.64	112.9

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	9.317	1.616	-1.702	.2394	.8322	.1372
SDev	1.515	.7485	1.814	2.151	1.689	.449
%RSD	16.26	46.32	106.6	898.3	203	327.2

Elms	1960/2	*Y
Units	PPB	
Avge	2.191	9315
SDev	1.356	26.87
%RSD	61.89	.28846

Method: TOTAL Sample Name: 240-24603-d-6-a Operator:
 Run Time: 06/05/13 15:31 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2642	2712.	.9394	15.33	80.70	.3297
SDev	.3867	1.584	.2693	.4376	.0004	.0073
%RSD	146.4	.0584	28.67	2.855	.0005	2.221

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5359.	.1153	1.937	2.738	7.854	633.3
SDev	1.201	.1153	.0908	.7364	.0816	3.305
%RSD	.0224	100	4.687	26.9	1.038	.5219

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1825.	2982.	39.81	.2171	8615.	3.096
SDev	30.28	3.368	.0056	.1316	92.49	.1923
%RSD	1.66	.1129	.0142	60.63	1.074	6.211

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.248	.1060	2.364	9.762	.8984	11.34
SDev	.1393	.9111	.6738	1.017	1.636	.0567
%RSD	11.16	859.4	28.5	10.42	182.1	.4999

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	22.33	3.312	.2178	2.935	2.079	1.232
SDev	2.098	1.45	.9329	.4737	1.247	4.74
%RSD	9.392	43.79	428.3	16.14	59.96	384.8

Elms	1960/2	*Y
Units	PPB	
Avge	-.4561	9364.75
SDev	1.001	8.13172
%RSD	219.4	.08683

Method: TOTAL Sample Name: 240-24603-n-7-a Operator:
 Run Time: 06/05/13 15:37 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.5634	133.3	1.150	15.61	68.60	.0016
SDev	.0425	.6841	.2925	.5934	.1757	.0049
%RSD	7.543	.5133	25.44	3.802	.2561	302.7

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	41890.	.9049	4.109	2.643	3.681	148.7
SDev	77.11	.0361	.0974	.1536	.2681	4.7
%RSD	.184	3.994	2.371	5.814	7.284	3.16

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4827.	16060.	288.4	.8771	48730.	6.823
SDev	8.917	32.2	.5114	.1352	160.2	.0132
%RSD	.1847	.2005	.1773	15.42	.3288	.1939

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0743	3.151	2.299	9.866	.8348	.5223
SDev	.0573	.7771	.3555	.0888	2.29	.0018
%RSD	77.16	24.66	15.46	.9003	274.3	.3367

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	34.51	.5043	-.1406	.7555	3.070	5.033
SDev	.0071	.8389	.505	3.12	2.091	1.992
%RSD	.0205	166.3	359.2	413	68.11	39.58

Elems	1960/2	*Y
Units	PPB	
Avge	2.212	9294.5
SDev	.1704	19.0919
%RSD	7.705	.20541

Method: TOTAL Sample Name: mb 240-87994/1-a Operator:
 Run Time: 06/05/13 15:43 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0463	9.391	.6768	2.293	.7399	-.0357
SDev	.1425	2.114	.7994	.7891	.0357	.0117
%RSD	307.6	22.51	118.1	34.42	4.828	32.73

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	196.6	.0553	.0782	.2198	.2990	22.46
SDev	1.941	.0578	.0909	.1892	.1789	4.955
%RSD	.987	104.4	116.2	86.08	59.84	22.06

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	51.28	152.6	.6674	-.0144	-806.9	.1413
SDev	6.903	.0833	.0213	.0641	35.66	.1895
%RSD	13.46	.0546	3.19	444.7	4.419	134

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.3573	-.8788	.6124	.8053	1.251	.0915
SDev	.2972	2.197	1.221	.4597	1.149	.0668
%RSD	83.19	250	199.4	57.08	91.82	72.97

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	8.736	-.7472	-.1629	-.3298	1.083	-1.427
SDev	.0397	1.379	.2427	1.307	2.483	1.306
%RSD	.4539	184.5	148.9	396.3	229.3	91.48

Elms	1960/2	*Y
Units	PPB	
Avge	-.6050	9368.25
SDev	2.642	14.4957
%RSD	436.6	.15473

Method: TOTAL Sample Name: lcs 240-87994/2-a Operator:
 Run Time: 06/05/13 15:49 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	L.2286	1867.	1820.	900.3	1883.	44.78
SDev	.1023	6.924	5.53	.8195	8.04	.1888
%RSD	44.75	.3709	.3039	.091	.427	.4215

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	L206.3	47.31	474.8	185.7	235.7	974.6
SDev	.6042	.1724	1.785	.4618	.8839	11.53
%RSD	.2929	.3643	.3759	.2486	.375	1.183

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	L49.63	L153.3	475.6	908.2	L-1362.	481.8
SDev	3.85	3.202	1.771	6.913	270.2	1.928
%RSD	7.759	2.09	.3724	.7612	19.85	.4001

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	471.4	1832.	446.1	1841.	1865.	459.8
SDev	1.835	7.05	1.7	.5983	4.565	1.934
%RSD	.3892	.3849	.3812	.0325	.2448	.4206

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	490.4	465.2	474.6	456.4	440.9	1817.
SDev	1.803	1.626	1.939	1.995	1.553	5.078
%RSD	.3677	.3495	.4087	.437	.3523	.2795

Elms	1960/2	*Y
Units	PPB	
Avge	1839.	9346.75
SDev	8.034	13.7886
%RSD	.4368	.14752

Method: TOTAL Sample Name: 240-24476-d-5-c Operator:
 Run Time: 06/05/13 15:55 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.4842	86.45	2.273	30.44	46.58	.0954
SDev	.3464	1.052	1.289	.1155	.0248	.0075
%RSD	71.54	1.217	56.71	.3795	.0533	7.854

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3970.	1.338	1.649	904.7	-.0600	33.84
SDev	5.864	.0005	.0909	1.748	.4888	3.679
%RSD	.1477	.0368	5.514	.1932	815.3	10.87

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1323.	2047.	106.1	3.591	5901.	1.672
SDev	19.74	3.018	.1362	.7247	120	.1535
%RSD	1.492	.1475	.1284	20.18	2.034	9.185

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.2857	.3378	3.431	1.414	2.249	.4304
SDev	1.348	1.506	1.106	.7063	2.524	.399
%RSD	471.9	445.7	32.23	49.94	112.2	92.72

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	74.58	.7940	-.8251	1.738	4.277	-4.376
SDev	.0094	.3142	1.865	.5962	1.956	2.965
%RSD	.0126	39.57	226	34.3	45.73	67.77

Elms	1960/2	*Y
Units	PPB	
Avge	2.691	9367
SDev	3.738	12.0208
%RSD	138.9	.12833

Method: TOTAL Sample Name: 240-24557-d-2-c Operator:
 Run Time: 06/05/13 16:01 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1338	4650.	.8567	10.44	37.55	-.2511
SDev	.5464	9.046	1.177	.2836	.0014	.0191
%RSD	408.3	.1945	137.3	2.715	.0038	7.595

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2387.	.1348	2.836	15.83	9.327	5476.
SDev	4.149	.1484	.1791	.1049	.0998	20.68
%RSD	.1738	110.1	6.313	.6623	1.07	.3777

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2363.	1242.	390.2	1.410	2202.	12.23
SDev	21.94	2.887	.7072	1.042	17.64	.0374
%RSD	.9283	.2325	.1812	73.89	.8012	.3056

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3.683	-.3596	2.446	1.281	2.085	10.03
SDev	1.096	.9027	1.376	1.544	1.7	.1348
%RSD	29.77	251	56.25	120.5	81.53	1.344

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	251.1	3.796	3.627	1.070	3.133	-2.157
SDev	.1991	2.306	.4924	2.022	1.053	.8791
%RSD	.0793	60.77	13.58	189	33.61	40.75

Elms	1960/2	*Y
Units	PPB	
Avge	.5379	9405.25
SDev	.9145	.35355
%RSD	170	.00375

Method: TOTAL Sample Name: CCV Operator:
 Run Time: 06/05/13 16:07 Filename: I60605A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1041.	26360.	518.6	5238.	2118.	2111.
SDev	2.808	47.96	.669	1.409	4.381	4.498
%RSD	.2698	.1819	.129	.0269	.2068	.2131

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	52440.	519.2	2101.	2081.	2107.	26670.
SDev	116.1	.9313	5.72	4.925	6.182	57.61
%RSD	.2213	.1794	.2723	.2367	.2933	.216

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	53440.	52100.	2095.	2071.	51570.	2104.
SDev	156.5	107.1	4.802	19.73	104.1	3.196
%RSD	.2929	.2056	.2292	.9527	.2019	.1519

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	522.5	518.6	522.9	5188.	1049.	2073.
SDev	1.75	2.245	2.596	10.17	7.877	5.369
%RSD	.335	.4329	.4964	.1961	.7509	.259

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2122.	517.9	524.8	523.5	522.6	515.8
SDev	5.443	3.724	.7651	2.126	2.83	4.293
%RSD	.2565	.719	.1458	.4061	.5416	.8323

Elms	1960/2	*Y
Units	PPB	
Avge	520.0	9206.25
SDev	1.223	22.2739
%RSD	.2351	.24194

Method: TOTAL Sample Name: CCB Operator:
 Run Time: 06/05/13 16:13 Filename: I60605A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2286	8.377	1.511	20.78	.1252	-.0006
SDev	0	2.223	.4916	5.748	.0699	.0321
%RSD	.0013	26.53	32.53	27.66	55.81	5442

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-6.170	.0532	.2020	.4458	.0101	.7927
SDev	1.832	.0429	.2707	.1689	.5087	4.611
%RSD	29.69	80.68	134	37.9	5019	581.7

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	41.50	102.6	.0703	6.583	-762.2	.0861
SDev	9.573	.1739	.0202	3.481	316.2	.9538
%RSD	23.07	.1695	28.77	52.87	41.49	1108

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.5323	.9768	1.070	2.195	2.076	-.0347
SDev	.613	.3587	.5848	.7205	4.087	.1422
%RSD	115.2	36.72	54.66	32.83	196.8	409.2

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.4978	2.502	-.4514	3.418	-.1026	.0120
SDev	.1002	.3307	.7539	1.061	.347	.0679
%RSD	20.13	13.22	167	31.04	338.1	567.5

Elms	1960/2	*Y
Units	PPB	
Avge	1.458	9323.5
SDev	.5038	0
%RSD	34.55	0

Method: TOTAL Sample Name: 240-24557-d-5-c Operator:
 Run Time: 06/05/13 16:19 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1918	2851.	1.587	13.45	43.35	.1086
SDev	.2032	.7389	.2449	.9396	.1375	.0895
%RSD	106	.0259	15.43	6.987	.3171	82.35

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2235.	.0999	1.771	11.69	4.968	1342.
SDev	2.692	.117	.2696	.3138	.3052	1.614
%RSD	.1205	117.1	15.23	2.685	6.144	.1202

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1289.	1618.	41.38	2.759	3971.	8.061
SDev	4.937	.6346	.0186	.5884	5.9	.0003
%RSD	.3831	.0392	.0449	21.33	.1486	.0036

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2.072	.2656	.9842	1.834	2.615	2.912
SDev	.9325	.9469	.2169	.5648	3.384	.0655
%RSD	45	356.5	22.04	30.79	129.4	2.249

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	22.82	2.450	1.884	1.616	.6687	-1.932
SDev	.9251	.8281	1.812	1.304	.9764	3.289
%RSD	4.053	33.8	96.17	80.71	146	170.2

Elms	1960/2	*Y
Units	PPB	
Avge	1.363	9368.25
SDev	3.062	.35355
%RSD	224.7	.00377

Method: TOTAL Sample Name: 240-24557-1-16-c Operator:
 Run Time: 06/05/13 16:25 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1207	21.29	1.532	20.48	58.20	-.0403
SDev	.0811	.7774	.6033	.5711	.1046	.006
%RSD	67.18	3.651	39.39	2.789	.1797	14.81

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	13170.	1.940	1.914	1.242	.0820	863.5
SDev	2.288	.0301	.2702	.1249	.0922	1.724
%RSD	.0174	1.549	14.11	10.06	112.5	.1996

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1186.	2315.	131.8	.9098	4254.	.5708
SDev	.151	2.029	.0394	.0643	111.3	.1899
%RSD	.0127	.0877	.0299	7.07	2.617	33.28

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.5458	-1.246	.8492	1.675	4.628	.2204
SDev	.8483	1.397	.2273	.0091	2.028	.0001
%RSD	155.4	112.2	26.77	.5428	43.83	.0242

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	198.5	1.045	-1.341	3.287	-.3677	-2.591
SDev	1.044	1.192	.6766	1.907	1.293	5.025
%RSD	.5262	114	50.47	58.03	351.6	193.9

Elms	1960/2	*Y
Units	PPB	
Avge	-.5739	9369
SDev	.4142	5.65685
%RSD	72.18	.06037

Method: TOTAL Sample Name: 240-24468-b-23-a@5 Operator:
 Run Time: 06/05/13 16:31 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1065	8862.	8.780	7.857	29.86	1.524
SDev	.4266	134.2	.0356	1.174	.4291	.0224
%RSD	400.5	1.515	.4053	14.94	1.437	1.469
Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	6816.	-1.483	6.503	49.42	4.798	282100.
SDev	90.9	.023	.3998	.8139	.1041	3961
%RSD	1.334	1.549	6.148	1.647	2.17	1.404
Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	178.1	785.5	834.9	1.495	-250.4	3.230
SDev	16.19	8.826	11.49	.6462	257.7	.9337
%RSD	9.092	1.124	1.376	43.22	103	28.91
Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	11.98	.9711	1.894	2.443	.7077	285.6
SDev	.0088	3.092	1.373	.1971	1.379	3.914
%RSD	.0732	318.4	72.52	8.068	194.9	1.371
Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	52.75	14.74	10.60	8.011	-1.160	-16.82
SDev	.5837	1.669	.8462	2.461	.8303	3.449
%RSD	1.106	11.32	7.98	30.72	71.58	20.5
Elms	1960/2	*Y				
Units	PPB					
Avge	9.853	9822.75				
SDev	2.914	97.9343				
%RSD	29.58	.99701				

Method: TOTAL Sample Name: 240-24468-b-28-a@5 Operator:
 Run Time: 06/05/13 16:37 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1191	7165.	8.774	9.512	35.69	1.401
SDev	.0192	9.656	1.154	.3076	.0162	.001
%RSD	16.09	.1348	13.15	3.234	.0455	.0705
Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	7657.	-.5611	4.742	41.74	8.670	181500.
SDev	6.917	.0306	.1701	.6283	.2016	92.68
%RSD	.0903	5.448	3.588	1.505	2.325	.0511
Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	172.2	891.5	641.3	1.409	416.1	4.938
SDev	20.18	.7709	.446	.1828	148.3	.536
%RSD	11.72	.0865	.0695	12.97	35.64	10.85
Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	19.51	2.933	1.356	3.197	3.944	199.6
SDev	.3152	.3545	2.698	1.396	.5289	.0286
%RSD	1.616	12.09	199	43.68	13.41	.0143
Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	61.26	22.51	18.01	6.109	-1.017	-7.777
SDev	.0003	1.256	.1544	.6668	4.378	1.836
%RSD	.0005	5.578	.8574	10.92	430.5	23.6
Elems	1960/2	*Y				
Units	PPB					
Avge	8.280	9993.75				
SDev	1.448	4.59619				
%RSD	17.49	.04599				

Method: TOTAL Sample Name: 240-24468-b-31-a@5 Operator:
 Run Time: 06/05/13 16:43 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.6704	7758.	5.591	12.67	52.12	1.127
SDev	.4399	10.24	1.388	.0973	.0082	.0201
%RSD	65.61	.1319	24.83	.7681	.0158	1.787

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	15420.	.9317	4.299	85.94	9.109	65070.
SDev	25.22	.1398	.173	.1739	.3142	81.3
%RSD	.1636	15.01	4.023	.2024	3.449	.1249

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	225.7	1437.	864.9	.2451	56.67	7.923
SDev	4.881	2.942	1.295	.122	32.51	.867
%RSD	2.162	.2048	.1497	49.78	57.36	10.94

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	32.65	1.470	2.366	4.602	2.601	108.6
SDev	.3461	2.022	.805	.1845	.8095	.0697
%RSD	1.06	137.6	34.03	4.009	31.13	.0642

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	76.70	32.03	32.95	3.897	1.601	-1.780
SDev	.0297	.4279	.3053	1.119	.6481	3.981
%RSD	.0387	1.336	.9265	28.72	40.47	223.7

Elms	1960/2	*Y
Units	PPB	
Avge	3.092	9941.25
SDev	1.044	10.9602
%RSD	33.78	.11024

Method: TOTAL Sample Name: 240-24476-m-4-b@5 Operator:
 Run Time: 06/05/13 16:49 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1262	20.94	1.084	4.128	5.645	-.0660
SDev	.1842	1.46	.4848	.158	.0173	.0043
%RSD	146	6.972	44.71	3.829	.3069	6.538

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1875.	.2176	.6543	.7546	.4757	217.9
SDev	9.218	.0389	.1805	.3542	.3576	8.381
%RSD	.4916	17.86	27.59	46.94	75.18	3.846

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	464.4	581.9	5.605	1.145	1225.	.8135
SDev	3.724	2.904	.1591	.1371	27.85	.1535
%RSD	.8018	.499	2.838	11.97	2.273	18.87

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	13.40	.2977	1.302	1.015	1.395	.6126
SDev	.6809	1.21	1.904	.3197	3.498	.0025
%RSD	5.08	406.4	146.3	31.48	250.8	.4142

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1599.	13.90	13.15	1.611	1.147	.5737
SDev	6.796	.6692	1.355	.9616	2.374	1.466
%RSD	.425	4.813	10.3	59.68	207	255.5

Elms	1960/2	*Y
Units	PPB	
Avge	.1600	9348.25
SDev	2.546	29.3449
%RSD	1591	.3139

Method: TOTAL Sample Name: 240-24476-m-8-b@5 Operator:
 Run Time: 06/05/13 16:55 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.2343	83.08	1.442	3.000	2.343	-.0885
SDev	.1222	1.588	.627	.4411	.0013	.0124
%RSD	52.18	1.912	43.48	14.7	.0573	14.01

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2791.	.5860	.4603	.4138	-.2407	1179.
SDev	3.381	.0788	.0898	.1684	.1945	4.86
%RSD	.1212	13.44	19.51	40.71	80.79	.4121

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1711.	235.4	6.446	.4506	1094.	.4367
SDev	1.951	3.039	.0364	.1958	35.24	.1523
%RSD	.114	1.291	.5646	43.45	3.22	34.87

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	12.48	-.4278	-.4101	2.535	3.159	.0248
SDev	.0928	1.835	.1447	.2419	1.218	.2685
%RSD	.7438	429	35.28	9.544	38.56	1081

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2430.	12.43	12.50	.6815	-.9551	-1.374
SDev	3.856	.9141	.3172	1.788	.6757	.2648
%RSD	.1587	7.353	2.537	262.4	70.75	19.27

Elms	1960/2	*Y
Units	PPB	
Avge	.0448	9346.5
SDev	2.883	5.65685
%RSD	6442	.06052

Method: TOTAL Sample Name: 240-24515-B-7-A@5 Operator:
 Run Time: 06/05/13 17:01 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.3622	7849.	7.169	8.334	34.80	1.223
SDev	.0192	6.902	1.416	.4206	.1177	.0029
%RSD	5.291	.0879	19.75	5.047	.3383	.2352
Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	8694.	.5864	4.634	33.88	12.20	112800.
SDev	14.34	.0217	.0914	.2906	.0562	157.6
%RSD	.1649	3.7	1.973	.8576	.4606	.1397
Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	159.3	831.2	420.9	.5246	-901.0	5.924
SDev	9.043	.5869	.4877	.1229	158	.8789
%RSD	5.676	.0706	.1159	23.43	17.54	14.83
Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	10.84	.7836	.9427	3.561	2.124	142.6
SDev	.2783	.1896	.7294	.7962	2.461	.3388
%RSD	2.566	24.2	77.38	22.36	115.9	.2375
Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	108.3	11.81	10.36	2.743	.0436	-5.394
SDev	.1572	1.022	.0932	1.594	.2979	1.596
%RSD	.1451	8.66	.8998	58.09	682.6	29.6
Elems	1960/2	*Y				
Units	PPB					
Avge	3.868	9804.75				
SDev	.5127	14.4957				
%RSD	13.26	.14784				

Method: TOTAL Sample Name: mb 240-88377/1-a Operator:
 Run Time: 06/05/13 17:07 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1756	21.92	.1651	2.258	1.133	-.0763
SDev	.2439	.9905	.5825	.0282	.0335	.0056
%RSD	138.9	4.519	352.8	1.247	2.954	7.318

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	288.6	.1548	.2694	.4126	.3731	17.64
SDev	2.548	.0533	.3586	.3361	.0817	2.496
%RSD	.883	34.44	133.1	81.47	21.9	14.15

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	43.27	H169.3	.3828	-.0600	-958.7	.2757
SDev	6.627	2.333	.0207	.7854	140.3	.4555
%RSD	15.32	1.378	5.418	1309	14.63	165.2

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1053	-1.323	2.339	.8563	4.861	.0918
SDev	.5584	.9537	.3407	.1637	2.222	.3367
%RSD	530.3	72.08	14.56	19.12	45.71	366.8

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	9.672	.0175	.1488	-.0793	3.547	-2.699
SDev	.0683	.5293	1.101	.9533	.9867	1.135
%RSD	.7062	3022	740.1	1201	27.82	42.07

Elms	1960/2	*Y
Units	PPB	
Avge	-.6365	9367
SDev	.8631	12.0208
%RSD	135.6	.12833

Method: TOTAL Sample Name: lcs 240-88377/2-a Operator:
 Run Time: 06/05/13 17:13 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	48.43	1989.	1934.	971.2	1971.	48.10
SDev	.6456	.9453	.14	3.746	1.71	.0129
%RSD	1.333	.0475	.0072	.3857	.0868	.0269

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	48920.	48.64	489.4	194.2	245.2	998.0
SDev	21.32	.1565	1.214	.0728	.3469	4.211
%RSD	.0436	.3218	.248	.0375	.1415	.4219

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	50240.	48910.	496.6	946.9	49410.	494.6
SDev	40.8	13.4	.334	16.4	19.61	.4028
%RSD	.0812	.0274	.0673	1.732	.0397	.0814

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	484.5	1965.	479.4	1913.	1951.	487.0
SDev	.0979	1.036	.4897	6.175	1.252	.3671
%RSD	.0202	.0527	.1022	.3228	.0641	.0754

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	507.6	471.2	491.2	482.3	477.9	1926.
SDev	.1651	3.179	1.44	2.241	.3845	7.387
%RSD	.0325	.6746	.2932	.4647	.0804	.3834

Elms	1960/2	*Y
Units	PPB	
Avge	1985.	9327.25
SDev	2.135	2.47487
%RSD	.1075	.02653

Method: TOTAL Sample Name: CCV Operator:
 Run Time: 06/05/13 17:20 Filename: I60605A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1034.	26200.	517.3	5212.	2109.	2104.
SDev	11.25	289.8	3.508	44.11	23.88	24.49
%RSD	1.089	1.106	.6781	.8464	1.132	1.164

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	52030.	516.2	2087.	2063.	2091.	26430.
SDev	563.3	6.115	23.65	23.89	23.92	298.3
%RSD	1.083	1.185	1.133	1.158	1.144	1.128

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	53120.	51680.	2080.	2047.	51230.	2095.
SDev	472.1	592.2	23.47	4.275	440.9	26.66
%RSD	.8886	1.146	1.128	.2089	.8606	1.272

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	517.5	513.5	516.7	5141.	1036.	2058.
SDev	9.224	6.144	7.23	62.1	10.74	23.69
%RSD	1.782	1.197	1.399	1.208	1.037	1.151

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2106.	512.4	520.1	515.2	517.4	510.3
SDev	24.05	6.428	10.62	8.808	6.442	7.867
%RSD	1.142	1.254	2.042	1.71	1.245	1.542

Elms	1960/2	*Y
Units	PPB	
Avge	515.1	9297.25
SDev	5.284	85.2064
%RSD	1.026	.91646

Method: TOTAL Sample Name: CCB Operator:
 Run Time: 06/05/13 17:26 Filename: I60605A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1613	14.93	1.389	22.38	.1745	.0340
SDev	.1834	2.273	.8661	4.647	.1394	.032
%RSD	113.7	15.23	62.33	20.76	79.91	93.98

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-6.482	.0927	.0759	.4743	-.3129	6.071
SDev	1.213	.0319	.2703	.1256	.3056	5.853
%RSD	18.71	34.41	355.9	26.49	97.67	96.4

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	36.58	104.2	.1413	7.447	-915.6	.1944
SDev	2.42	1.041	.0807	2.36	120.2	.4949
%RSD	6.616	.9987	57.11	31.68	13.12	254.6

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.5734	1.683	.7175	1.899	3.531	.0143
SDev	.4407	.0997	.4748	.5008	2.957	.1958
%RSD	76.86	5.928	66.17	26.37	83.75	1369

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.5318	1.102	.3090	1.390	.3818	.7317
SDev	.1025	1.666	1.493	1.539	1.48	1.258
%RSD	19.27	151.2	483.2	110.7	387.7	172

Elms	1960/2	*Y
Units	PPB	
Avge	2.158	9344.5
SDev	.7778	.7071
%RSD	36.05	.00756

Method: TOTAL Sample Name: 240-25150-f-5-a Operator:
 Run Time: 06/05/13 17:32 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0807	80.21	1.348	1104.	10.01	.0169
SDev	.4655	1.162	.3289	.2441	.2041	.0429
%RSD	577.2	1.448	24.4	.0221	2.038	254

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H501000.	.4101	2.032	.4474	.6048	119.8
SDev	107.2	.0445	.3936	.2521	.0235	1.133
%RSD	.0214	10.85	19.38	56.35	3.893	.9454

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	32410.	570600.	487.0	2.524	H1137e3	5.414
SDev	4.384	23.56	.0686	.1473	60.72	.0753
%RSD	.0135	.0041	.0141	5.839	.0053	1.391

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.4244	-.1165	-.1528	-8.088	9.251	-.8112
SDev	.1817	1.153	.9214	.7003	3.043	.0736
%RSD	42.82	990.3	603.2	8.659	32.89	9.07

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	7.340	.9537	-1.113	2.273	-1.364	4.006
SDev	.3292	2.103	.7777	.261	1.512	4.072
%RSD	4.484	220.6	69.89	11.48	110.9	101.7

Elms	1960/2	*Y
Units	PPB	
Avge	-2.174	8598
SDev	.3037	12.7279
%RSD	13.97	.14803

Method: TOTAL Sample Name: SD 240-25150-f-5-a@5 Operator:
 Run Time: 06/05/13 17:38 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1170	33.41	.6091	221.9	2.215	-.0560
SDev	.312	.0871	.6712	1.356	.0372	.0136
%RSD	266.6	.2608	110.2	.611	1.68	24.28

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	88870.	.1261	.6483	.3806	-.1365	15.27
SDev	7.043	.0574	.184	.1497	.3005	7.905
%RSD	.0079	45.55	28.38	39.35	220.2	51.77

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4963.	113100.	99.10	1.282	227900.	1.537
SDev	15.48	53.81	.1501	.537	213.8	.1546
%RSD	.3119	.0476	.1514	41.88	.0938	10.06

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2650	1.608	-.1920	-.5579	5.442	-.6747
SDev	.1423	1.066	2.484	1.106	2.279	.0694
%RSD	53.69	66.28	1294	198.2	41.87	10.29

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	8.552	1.675	-.4395	1.122	-.8479	2.373
SDev	.1172	.1885	.3074	.0043	3.722	3.581
%RSD	1.37	11.25	69.94	.3833	439	150.9

Elms	1960/2	*Y
Units	PPB	
Avge	1.226	9149.5
SDev	.1902	7.07106
%RSD	15.51	.07728

Method: TOTAL Sample Name: 240-25150-f-5-b ms Operator:
 Run Time: 06/05/13 17:44 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	53.20	2290.	2091.	2178.	2089.	47.68
SDev	.0004	2.194	.4722	.8689	1.905	.0607
%RSD	.0008	.0958	.0226	.0399	.0912	.1273

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H532000.	49.13	507.6	197.6	266.0	1141.
SDev	345.6	.1349	.4166	.1378	.4584	4.06
%RSD	.065	.2747	.0821	.0698	.1724	.3557

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	98740.	H641900.	1020.	996.7	H1213e3	500.1
SDev	130.3	765.2	1.21	12.55	1336	.3745
%RSD	.1319	.1192	.1186	1.259	.1101	.0749

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	490.4	2163.	525.1	2006.	2048.	504.9
SDev	.7	.8354	2.019	4.454	2.501	.343
%RSD	.1427	.0386	.3844	.222	.1222	.0679

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	536.1	481.2	494.9	530.5	522.4	2123.
SDev	.015	.4885	.8056	.9254	2.564	4.649
%RSD	.0028	.1015	.1628	.1745	.4909	.219

Elms	1960/2	*Y
Units	PPB	
Avge	2182.	8610.5
SDev	3.574	7.07106
%RSD	.1638	.08212

Method: TOTAL Sample Name: 240-25150-f-5-c msd Operator:
 Run Time: 06/05/13 17:50 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	49.46	2118.	1940.	2032.	1931.	44.20
SDev	.1376	.1115	1.232	4.743	.5276	.0851
%RSD	.2781	.0053	.0635	.2335	.0273	.1925

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H517700.	45.61	470.3	182.9	246.8	1077.
SDev	1481	.0547	1.605	1.171	.3031	3.031
%RSD	.2861	.12	.3413	.6405	.1228	.2815

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	91140.	597400.	947.7	925.4	H1133e3	464.0
SDev	60.79	2174	2.033	11.62	979.4	2.003
%RSD	.0667	.3639	.2146	1.255	.0865	.4317

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	453.6	1990.	489.5	1861.	1902.	467.8
SDev	.3113	2.816	4.938	4.332	1.256	1.139
%RSD	.0686	.1415	1.009	.2328	.066	.2435

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	499.1	442.0	459.4	489.0	489.7	1950.
SDev	.7697	1.165	1.049	3.171	5.821	2.364
%RSD	.1542	.2636	.2282	.6485	1.188	.1213

Elms	1960/2	*Y
Units	PPB	
Avge	2010.	8648.5
SDev	5.403	29.6985
%RSD	.2688	.34339

Method: TOTAL Sample Name: 240-25150-e-5-a Operator:
 Run Time: 06/05/13 17:56 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.7519	28.03	1.579	1146.	10.26	-.0042
SDev	.2247	2.344	2.249	1.79	.0748	.011
%RSD	29.89	8.366	142.5	.1562	.7287	259.9

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H508100.	.2917	2.167	.3983	1.276	-6.798
SDev	857.1	.0669	.0053	.1393	.7111	18.84
%RSD	.1687	22.94	.2467	34.98	55.73	277.2

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	33630.	586100.	489.0	5.738	H1168e3	5.024
SDev	14.22	679.2	.8818	1.873	2047	.6843
%RSD	.0423	.1159	.1803	32.65	.1753	13.62

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.8114	.5975	2.490	-6.685	8.526	-.2361
SDev	.4865	1.274	3.666	.6031	3.385	.869
%RSD	59.95	213.2	147.2	9.022	39.7	368

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	7.092	-2.654	.1083	1.007	3.230	1.435
SDev	1.201	4.774	1.654	2.082	6.535	1.405
%RSD	16.94	179.9	1528	206.7	202.4	97.9

Elms	1960/2	*Y
Units	PPB	
Avge	.1793	8613.75
SDev	1.209	32.8805
%RSD	674.2	.38172

Method: TOTAL Sample Name: 240-25150-e-5-b ms Operator:
 Run Time: 06/05/13 18:02 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	54.73	2220.	2161.	2250.	2157.	49.01
SDev	.5976	6.909	1.452	2.838	.2054	.1123
%RSD	1.092	.3112	.0672	.1261	.0095	.2291

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H533000.	50.00	520.6	201.6	274.3	1017.
SDev	816.6	.2284	.6893	.3873	.32	.5165
%RSD	.1532	.4569	.1324	.1921	.1167	.0508

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	101900.	H653400.	1032.	1022.	H1243e3	514.2
SDev	22.01	2112	2.162	16.03	400.8	1.41
%RSD	.0216	.3232	.2095	1.568	.0322	.2743

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	504.3	2228.	542.1	2056.	2084.	518.4
SDev	3.153	3.888	.1159	1.813	1.208	1.062
%RSD	.6253	.1745	.0214	.0882	.058	.2049

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	551.7	492.0	510.4	545.7	540.3	2175.
SDev	.8861	3.693	2.883	3.118	1.73	5.745
%RSD	.1606	.7507	.5649	.5713	.3202	.2641

Elms	1960/2	*Y
Units	PPB	
Avge	2254.	8650
SDev	8.697	9.89949
%RSD	.3859	.11444

Method: TOTAL Sample Name: 240-25150-e-5-c msd Operator:
 Run Time: 06/05/13 18:08 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	53.05	2164.	2098.	2190.	2096.	47.73
SDev	.3612	1.725	1.894	3.912	2.087	.0513
%RSD	.6809	.0797	.0903	.1786	.0996	.1074

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H529800.	48.85	506.4	196.7	266.7	992.5
SDev	189.5	.2342	.9334	1.072	.2626	16.3
%RSD	.0358	.4794	.1843	.5451	.0985	1.643

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	99100.	H635300.	1005.	997.4	H1211e3	500.4
SDev	126.2	1791	1.48	13.61	414	2.141
%RSD	.1273	.2819	.1472	1.365	.0342	.4279

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	491.6	2165.	530.0	2005.	2019.	504.2
SDev	.808	7.093	.2921	1.826	6.372	1.09
%RSD	.1644	.3276	.0551	.0911	.3156	.2163

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	534.6	479.9	497.5	532.4	528.7	2114.
SDev	.5799	.1735	1.125	.7403	.0684	7.621
%RSD	.1085	.0362	.2261	.139	.0129	.3605

Elms	1960/2	*Y
Units	PPB	
Avge	2191.	8646.5
SDev	6.829	5.65685
%RSD	.3118	.06542

Method: TOTAL Sample Name: 190-917-a-1-a Operator:
 Run Time: 06/05/13 18:14 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.4214	120.6	2.087	29.43	14.82	-.1459
SDev	.2768	5.324	.4999	3.948	.5993	.0136
%RSD	65.69	4.415	23.95	13.42	4.044	9.33

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	26050.	.0583	.8486	.7516	-.0281	24.73
SDev	1130	.0819	.2599	.4797	.4192	3.423
%RSD	4.339	140.5	30.63	63.82	1493	13.84

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	992.4	7253.	2.412	5.905	5437.	.6869
SDev	12.77	314.5	.1238	2.392	10.61	.5816
%RSD	1.287	4.335	5.135	40.51	.1951	84.67

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1105	.3608	1.726	1.542	5.539	.2844
SDev	.4326	1.04	.0981	.9109	3.786	.0846
%RSD	391.3	288.2	5.685	59.06	68.36	29.74

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2.298	1.889	-1.109	1.822	1.679	5.067
SDev	.1289	.5967	.3506	1.446	.5749	1.749
%RSD	5.611	31.58	31.61	79.4	34.25	34.53

Elms	1960/2	*Y
Units	PPB	
Avge	-1.989	9614.75
SDev	2.433	325.623
%RSD	122.3	3.38669

Method: TOTAL Sample Name: 240-25069-d-1-a Operator:
 Run Time: 06/05/13 18:20 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.4824	606.3	417.3	18430.	681.5	-.3245
SDev	.5234	6.278	4.76	279.1	9.261	.032
%RSD	108.5	1.035	1.141	1.514	1.359	9.856

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	41810.	.4425	50.60	240.6	12.44	9728.
SDev	543.2	.0863	.9523	2.253	.5896	121.9
%RSD	1.299	19.49	1.882	.9366	4.74	1.253

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H1160e3	69950.	404.8	20.70	H2713e3	218.1
SDev	50980	918.2	5.211	.4846	29460	2.942
%RSD	4.393	1.313	1.287	2.341	1.086	1.349

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5.984	7.898	23.73	85.79	8.314	134.0
SDev	.0878	.555	2.438	2.315	.716	1.513
%RSD	1.467	7.028	10.27	2.698	8.612	1.129

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	111.0	5.323	6.314	20.14	25.52	14.81
SDev	1.473	1.516	.6253	1.139	3.086	3.912
%RSD	1.327	28.48	9.903	5.656	12.09	26.42

Elms	1960/2	*Y
Units	PPB	
Avge	4.448	8458.25
SDev	1.121	76.7211
%RSD	25.19	.90705

Method: TOTAL Sample Name: 240-25150-f-1-a Operator:
 Run Time: 06/05/13 18:26 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.3289	814.0	353.5	10210.	136.1	.1772
SDev	.0855	13.22	6.844	222	2.799	.0195
%RSD	26	1.624	1.936	2.173	2.057	11.03

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	271700.	1.825	.9046	3.871	4.604	30570.
SDev	5030	.0255	.5423	.4393	.8005	605.7
%RSD	1.851	1.4	59.95	11.35	17.39	1.981

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	86750.	124500.	1409.	28.55	205500.	18.63
SDev	1653	2429	27.91	.8186	3834	.3392
%RSD	1.905	1.951	1.98	2.867	1.866	1.821

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.331	-.2659	1.645	1.485	6.666	5.396
SDev	.5825	4.04	.9819	.2222	1.605	.0776
%RSD	43.76	1519	59.68	14.96	24.08	1.439

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	62.06	-.6247	2.307	2.389	1.274	.5334
SDev	1.289	2.036	.1432	3.102	3.021	2.403
%RSD	2.076	325.9	6.208	129.9	237.2	450.4

Elems	1960/2	*Y
Units	PPB	
Avge	-.6650	9266.25
SDev	4.857	133.29
%RSD	730.4	1.43844

Method: TOTAL Sample Name: CCV Operator:
 Run Time: 06/05/13 18:32 Filename: I60605A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1037.	26350.	524.5	5301.	2128.	2125.
SDev	.2979	26.1	3.984	9.034	1.892	4.175
%RSD	.0287	.0991	.7596	.1704	.0889	.1965

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	51730.	518.9	2092.	2066.	2102.	26490.
SDev	128.5	.8936	3.855	3.418	.4796	37.82
%RSD	.2484	.1722	.1843	.1655	.0228	.1427

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	53500.	51390.	2086.	2031.	51470.	2113.
SDev	19.62	123.9	3.244	25.71	60.5	5.288
%RSD	.0367	.2411	.1555	1.266	.1175	.2502

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	522.1	518.4	522.4	5142.	1032.	2065.
SDev	3.014	1.758	3.559	10.24	8.859	3.653
%RSD	.5773	.3391	.6812	.1992	.8587	.1769

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2112.	504.8	530.7	514.9	526.1	502.0
SDev	1.909	1.04	4	.187	5.242	.2472
%RSD	.0904	.2061	.7536	.0363	.9963	.0492

Elms	1960/2	*Y
Units	PPB	
Avge	526.5	9342.75
SDev	2.512	20.8596
%RSD	.477	.22327

Method: TOTAL Sample Name: CCB Operator:
 Run Time: 06/05/13 18:38 Filename: I60605A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2119	27.67	.5878	44.73	.1743	-.0456
SDev	.5887	2.283	.797	6.995	.0695	0
%RSD	277.8	8.249	135.6	15.64	39.85	.0033

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-10.62	.0886	.3957	.3237	-1.228	10.86
SDev	.205	.0717	.1795	.4192	.3064	3.396
%RSD	1.931	80.93	45.37	129.5	24.95	31.27

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	57.48	107.0	.1689	6.309	-578.1	.6242
SDev	.5765	.5183	.0402	2.872	219.5	.0379
%RSD	1.003	.4844	23.8	45.53	37.97	6.075

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.4376	.9643	2.021	2.562	3.276	.2474
SDev	.083	.9982	.7567	.8174	.474	.2609
%RSD	18.97	103.5	37.45	31.9	14.47	105.5

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.4692	.3030	-.8077	1.971	2.046	-1.892
SDev	.0267	1.922	.8351	1.178	1.723	.2028
%RSD	5.683	634.4	103.4	59.79	84.22	10.72

Elms	1960/2	*Y
Units	PPB	
Avge	2.390	9378.75
SDev	1.598	.35355
%RSD	66.85	.00376

Method: TOTAL Sample Name: 240-25150-e-1-a Operator:
 Run Time: 06/05/13 18:44 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.7943	36.88	287.1	10500.	67.20	-.0768
SDev	.7962	2.422	.7405	5.28	.2446	.0089
%RSD	100.2	6.569	.2579	.0503	.3639	11.63

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	273500.	.2680	.0552	1.869	.0398	18020.
SDev	1446	.1273	.7413	.0791	.3702	82.82
%RSD	.5289	47.5	1343	4.231	929.6	.4597

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	88790.	128000.	1362.	64.37	211400.	16.36
SDev	214	651.6	6.455	1.24	466.4	.4491
%RSD	.241	.5092	.4741	1.927	.2206	2.745

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1686	.3474	3.188	2.403	5.074	.9885
SDev	1.05	1.593	4.743	.0511	3.413	.2068
%RSD	622.9	458.6	148.8	2.125	67.27	20.92

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	10.39	-4.316	2.407	-2.132	5.844	-4.701
SDev	.1488	4.524	3.833	3.32	8.768	6.918
%RSD	1.433	104.8	159.2	155.7	150	147.2

Elms	1960/2	*Y
Units	PPB	
Avge	2.868	9114.5
SDev	1.065	33.234
%RSD	37.15	.36462

Method: TOTAL Sample Name: 240-25150-f-2-a Operator:
 Run Time: 06/05/13 18:50 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.4010	109.7	33.39	16690.	164.3	-.1010
SDev	.5417	2.47	.3329	5.901	.3729	.0249
%RSD	135.1	2.252	.9971	.0354	.2269	24.66

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	93700.	.0449	3.084	3.496	-.3343	9989.
SDev	268.9	.2036	.4563	.8103	.4899	15.48
%RSD	.2869	453.3	14.8	23.18	146.6	.1549

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	130000.	137400.	2256.	188.1	464600.	41.26
SDev	252.5	445.1	7.321	1.491	823.8	.3449
%RSD	.1942	.3239	.3244	.7924	.1773	.8358

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0890	.3738	2.393	1.679	7.106	2.476
SDev	.4018	.4832	1.442	.3186	1.409	.6169
%RSD	451.2	129.3	60.26	18.98	19.83	24.91

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4.387	-1.097	.4137	2.017	2.580	2.498
SDev	.095	1.484	1.343	1.956	3.138	2.002
%RSD	2.165	135.3	324.7	96.96	121.6	80.16

Elms	1960/2	*Y
Units	PPB	
Avge	-.6867	9124.75
SDev	.2753	18.7383
%RSD	40.09	.20535

Method: TOTAL Sample Name: 240-25150-e-2-a Operator:
 Run Time: 06/05/13 18:57 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2016	40.42	31.89	16790.	164.2	-.1273
SDev	.4388	3.01	.2986	84.7	.499	.001
%RSD	217.7	7.446	.9364	.5044	.3039	.7516

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	95370.	.0478	2.501	2.911	-.5206	9857.
SDev	187.3	.0148	.1822	.0166	.6057	21.27
%RSD	.1964	30.98	7.285	.5706	116.3	.2158

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	130200.	138800.	2320.	188.4	464800.	41.85
SDev	527	263	4.965	1.833	1841	.5708
%RSD	.4046	.1896	.214	.9735	.3962	1.364

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.4621	1.247	2.856	.9318	7.285	1.755
SDev	.1825	1.909	2.366	.4362	2.592	.4069
%RSD	39.48	153.1	82.85	46.82	35.58	23.18

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5.411	-.8779	1.131	.4632	4.051	3.980
SDev	.1024	.4211	.4838	.2529	3.422	6.22
%RSD	1.893	47.97	42.78	54.6	84.47	156.3

Elms	1960/2	*Y
Units	PPB	
Avge	-.1184	9103.25
SDev	.2433	13.7886
%RSD	205.5	.15146

Method: TOTAL Sample Name: 240-25150-f-3-a Operator:
 Run Time: 06/05/13 19:03 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.5212	44.69	19.91	13760.	61.89	-.1307
SDev	.3141	1.417	.8415	28.41	.0478	.0067
%RSD	60.27	3.171	4.227	.2065	.0773	5.138

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	185400.	-.0224	.3735	.8989	-.5140	6640.
SDev	110.1	.06	.0925	.9073	.1079	7.019
%RSD	.0594	268	24.78	100.9	20.99	.1057

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	94450.	204800.	3004.	76.33	334000.	29.83
SDev	98.27	96.96	.8124	.5914	509.2	.464
%RSD	.1041	.0473	.027	.7747	.1525	1.555

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.2509	.9082	2.793	.1390	7.843	.1507
SDev	.0815	1.45	1.327	.5827	2.748	.0704
%RSD	32.49	159.6	47.52	419.3	35.03	46.68

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	7.489	-2.441	.8424	-.2455	4.310	2.872
SDev	.2144	.2377	.2409	.9857	1.498	1.397
%RSD	2.863	9.736	28.59	401.5	34.75	48.62

Elms	1960/2	*Y
Units	PPB	
Avge	-.0723	9087.75
SDev	2.871	1.76776
%RSD	3972	.01945

Method: TOTAL Sample Name: 240-25150-e-3-a Operator:
 Run Time: 06/05/13 19:09 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1783	41.66	21.13	13580.	61.11	-.1100
SDev	.0683	1.851	.3066	415.4	1.685	.0112
%RSD	38.34	4.442	1.451	3.058	2.758	10.18

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	183500.	.2007	1.023	1.405	-.1498	6406.
SDev	4448	.1516	.0848	.0582	1.081	177
%RSD	2.424	75.55	8.293	4.14	721.4	2.764

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	93260.	202700.	2986.	76.86	329400.	30.70
SDev	2642	5456	81.79	3.684	8631	.6386
%RSD	2.833	2.692	2.739	4.793	2.62	2.08

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.3396	.5267	2.247	-1.229	9.477	-.0390
SDev	.4132	.6617	1.316	.216	2.695	.0739
%RSD	121.7	125.6	58.54	17.57	28.44	189.5

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	7.133	-.6271	-.1963	.9622	2.889	1.892
SDev	.21	.917	1.077	.2194	1.863	6.847
%RSD	2.944	146.2	549	22.8	64.48	361.9

Elms	1960/2	*Y
Units	PPB	
Avge	-.1549	9260
SDev	2.426	218.496
%RSD	1566	2.35956

Method: TOTAL Sample Name: 240-25150-f-4-a Operator:
 Run Time: 06/05/13 19:15 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.2192	76.75	3.812	10060.	60.33	-.1500
SDev	.0413	.344	1.386	73.3	.2639	.016
%RSD	18.84	.4482	36.36	.7286	.4374	10.64

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	143700.	.8960	2.907	1.124	-.1810	1158.
SDev	689.4	.0447	.173	.1349	.1791	12.32
%RSD	.4799	4.992	5.952	12	98.92	1.064

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	84120.	149300.	880.6	21.53	252500.	27.43
SDev	533.3	723.5	4.421	.4449	1222	.3672
%RSD	.634	.4847	.502	2.066	.4841	1.339

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2570	.8938	2.675	-1.126	6.574	-.1656
SDev	.0012	.1464	.4506	.1688	.0003	.0678
%RSD	.4515	16.38	16.84	15	.0052	40.94

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	13.32	-1.647	1.207	1.296	3.364	1.329
SDev	.0134	.855	.4286	1.333	1.341	1.116
%RSD	.101	51.92	35.5	102.8	39.87	84.04

Elms	1960/2	*Y
Units	PPB	
Avge	.6767	9170.75
SDev	.7769	45.6084
%RSD	114.8	.49732

Method: TOTAL Sample Name: 240-25150-e-4-a Operator:
 Run Time: 06/05/13 19:21 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1053	37.91	3.498	9324.	55.44	-.1459
SDev	.1035	2.854	.6912	4.24	.2052	.0051
%RSD	98.35	7.529	19.76	.0455	.3702	3.481

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	132500.	.5434	2.966	.6525	-.1930	1004.
SDev	330.9	.1768	.0861	1.046	.0668	7.019
%RSD	.2497	32.53	2.904	160.3	34.62	.699

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	78340.	138300.	803.5	19.58	234500.	25.95
SDev	92.28	360.8	1.909	.2174	115.3	.8293
%RSD	.1178	.261	.2376	1.11	.0492	3.196

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.5135	.7283	2.200	.0244	7.866	-.2157
SDev	.3027	.7491	1.347	.0483	.4378	.2737
%RSD	58.95	102.9	61.22	197.7	5.566	126.9

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	14.78	-1.221	-.1607	-.6015	3.598	4.388
SDev	.0703	1.347	1.127	3.277	.3829	.3667
%RSD	.4756	110.4	701	544.9	10.64	8.357

Elems	1960/2	*Y
Units	PPB	
Avge	-1.099	9178.25
SDev	.94	22.2739
%RSD	85.55	.24268

Method: TOTAL Sample Name: 240-25150-g-6-a Operator:
 Run Time: 06/05/13 19:27 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2426	410.1	1.949	672.4	47.91	-.0649
SDev	.3309	3.106	.9262	14.37	.4043	.0042
%RSD	136.4	.7574	47.52	2.138	.8439	6.404

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	126300.	1.690	77.76	2.920	2.790	14480.
SDev	890.1	.0617	.754	.125	.319	121
%RSD	.7046	3.649	.9696	4.283	11.43	.8356

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1859.	37760.	1871.	.5070	186000.	213.4
SDev	15.19	276.7	13.88	.256	1167	1.831
%RSD	.8171	.733	.7419	50.5	.6276	.8581

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.004	2.678	1.908	-.0138	6.238	.8395
SDev	.7211	1.235	1.71	1.17	2.867	.1403
%RSD	71.8	46.11	89.58	8468	45.96	16.71

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	94.66	.0644	1.473	.0626	2.830	.4830
SDev	.5908	.2164	1.189	1.93	1.6	.7787
%RSD	.6241	336.2	80.71	3084	56.53	161.2

Elms	1960/2	*Y
Units	PPB	
Avge	3.774	9269.5
SDev	1.462	57.9828
%RSD	38.75	.62552

Method: TOTAL Sample Name: 240-25150-d-6-a Operator:
 Run Time: 06/05/13 19:33 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0468	62.12	1.748	1165.	55.01	-.0872
SDev	.0199	2.627	.0018	2.714	.0423	.0055
%RSD	42.5	4.23	.1054	.233	.077	6.363

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	150000.	2.076	98.32	1.273	.4056	12150.
SDev	39.85	.0267	.4074	.0617	.2857	4.317
%RSD	.0266	1.286	.4143	4.844	70.43	.0355

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2112.	45080.	3468.	-.3798	202000.	222.3
SDev	1.004	13.33	2.659	.7266	125.6	.301
%RSD	.0475	.0296	.0767	191.3	.0622	.1354

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1927	-.2947	1.902	.1155	7.925	-.2206
SDev	.4152	.6103	1.322	.3904	.8485	.069
%RSD	215.4	207.1	69.52	337.9	10.71	31.28

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	90.44	-.2334	.4051	-.0929	2.898	-.1443
SDev	.0539	.3577	.4438	1.2	1.383	.3572
%RSD	.0596	153.3	109.5	1292	47.73	247.6

Elms	1960/2	*Y
Units	PPB	
Avge	-.3698	9262.25
SDev	.7366	13.0815
%RSD	199.2	.14123

Method: TOTAL Sample Name: 240-25150-f-7-a Operator:
 Run Time: 06/05/13 19:39 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1415	6984.	44.69	11850.	9885.	.7483
SDev	.5526	31.22	1.365	112.4	62.2	.021
%RSD	390.6	.447	3.054	.9483	.6293	2.807

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	160000.	6.647	14.70	28.33	9.332	29070.
SDev	1161	.1396	.2646	.4312	.3405	211.8
%RSD	.7257	2.1	1.8	1.522	3.649	.7287

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	61380.	145600.	494.8	10.25	308700.	213.4
SDev	350.7	1100	3.709	.5862	1696	2.818
%RSD	.5714	.7557	.7495	5.721	.5494	1.321

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	42.47	3.631	2.488	1.484	4.874	87.81
SDev	.8272	.9527	.3566	.3723	1.852	.7557
%RSD	1.948	26.24	14.33	25.09	37.99	.8606

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	229.9	38.81	44.30	4.063	1.702	1.949
SDev	1.581	1.364	.5593	.5772	.2465	3.19
%RSD	.6877	3.515	1.262	14.21	14.49	163.7

Elms	1960/2	*Y
Units	PPB	
Avge	4.471	9329
SDev	.1645	51.6188
%RSD	3.679	.55331

Method: TOTAL Sample Name: CCV Operator:
 Run Time: 06/05/13 19:45 Filename: I60605A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1019.	25840.	518.5	5230.	2093.	2098.
SDev	.5067	1.182	1.716	4.312	.9421	1.291
%RSD	.0497	.0046	.3309	.0824	.045	.0615

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	51110.	514.0	2059.	2031.	2056.	26060.
SDev	31.45	.9176	.3125	.2678	.1214	25.89
%RSD	.0615	.1785	.0152	.0132	.0059	.0993

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	52690.	50780.	2049.	1988.	50630.	2092.
SDev	61.97	35.91	.7943	27.89	69.77	1.132
%RSD	.1176	.0707	.0388	1.403	.1378	.0541

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	520.1	513.4	514.4	5067.	1007.	2031.
SDev	2.424	2.483	4.071	5.438	5.997	2.131
%RSD	.4661	.4836	.7914	.1073	.5955	.1049

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2071.	496.6	531.9	500.5	521.3	493.5
SDev	1.05	.9166	3.177	.5751	5.816	1.331
%RSD	.0507	.1846	.5973	.1149	1.116	.2698

Elms	1960/2	*Y
Units	PPB	
Avge	523.4	9356
SDev	4.387	16.9706
%RSD	.8382	.18138

Method: TOTAL Sample Name: CCB Operator:
 Run Time: 06/05/13 19:51 Filename: I60605A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0326	31.79	.7640	53.77	.1252	-.1291
SDev	.3236	2.509	.7099	7.576	.0692	.038
%RSD	991.9	7.893	92.91	14.09	55.27	29.42

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-12.59	.0924	.2707	.4990	-1.496	4.589
SDev	.5867	.0863	.0001	.4178	.2041	4.897
%RSD	4.658	93.46	.0534	83.73	13.64	106.7

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	41.90	105.6	.0688	6.467	-717.7	.2226
SDev	7.07	.3426	.1001	3.384	273.5	.3778
%RSD	16.87	.3244	145.5	52.33	38.11	169.7

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.3879	1.850	2.282	1.151	4.888	.1052
SDev	.0281	2.962	.9272	.1088	.6038	.1922
%RSD	7.251	160.1	40.62	9.451	12.35	182.6

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.3375	2.858	-.8455	3.221	1.814	1.921
SDev	.0551	.68	.2973	1.526	2.152	7.626
%RSD	16.31	23.8	35.17	47.38	118.6	397

Elms	1960/2	*Y
Units	PPB	
Avge	1.814	9414.25
SDev	.6334	2.47487
%RSD	34.92	.02628

Method: TOTAL Sample Name: 240-25150-e-7-a Operator:
 Run Time: 06/05/13 19:57 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.6480	41.43	28.04	12860.	9739.	-.0754
SDev	2.079	5.98	.251	26.36	5.285	.0536
%RSD	320.9	14.43	.8952	.2049	.0543	71.08

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	159100.	.0482	1.720	2.324	-.5872	4844.
SDev	273	.2676	1.357	1.442	.1318	4.795
%RSD	.1716	554.9	78.88	62.07	22.44	.099

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	62540.	148900.	221.2	15.47	322200.	82.00
SDev	104.1	188.6	.2938	1.503	402.4	.8572
%RSD	.1665	.1266	.1328	9.714	.1249	1.045

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.7987	1.037	8.075	.9649	9.696	6.582
SDev	1.225	.3062	4.27	1.923	3.067	.1206
%RSD	153.3	29.52	52.87	199.3	31.63	1.832

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	9.124	-5.838	4.112	1.611	11.30	-2.435
SDev	.0389	7.943	5.801	4.264	8.53	7.576
%RSD	.4265	136.1	141.1	264.7	75.47	311.1

Elems	1960/2	*Y
Units	PPB	
Avge	2.771	9152.5
SDev	4.241	17.6777
%RSD	153.1	.19314

Method: TOTAL Sample Name: 240-25150-f-8-a Operator:
 Run Time: 06/05/13 20:03 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1222	2835.	192.6	8009.	123.3	.0228
SDev	.0845	6.142	1.84	43.51	.8944	.0355
%RSD	69.12	.2167	.9553	.5432	.7254	155.5

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	343700.	3.523	2.658	8.320	13.03	59110.
SDev	1257	.0228	.0853	.3149	.4118	273.1
%RSD	.3658	.6482	3.208	3.785	3.16	.462

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	68840.	162500.	1761.	70.34	192400.	20.22
SDev	252.3	656.5	6.871	1.054	654.8	.0478
%RSD	.3666	.4041	.3901	1.499	.3404	.2365

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	9.381	.8326	1.567	-1.022	6.943	24.91
SDev	.1181	.6801	2.39	.8199	2.733	.0494
%RSD	1.258	81.68	152.5	80.2	39.36	.1985

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	70.18	8.855	9.644	2.006	1.348	-1.379
SDev	.3781	.5899	.1175	.3549	3.761	.8326
%RSD	.5387	6.662	1.219	17.69	278.9	60.38

Elms	1960/2	*Y
Units	PPB	
Avge	1.937	9117
SDev	.604	31.8198
%RSD	31.19	.34901

Method: TOTAL Sample Name: 240-25150-e-8-a Operator:
 Run Time: 06/05/13 20:09 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.5602	46.35	167.7	8341.	94.70	-.1102
SDev	.2913	1.064	1.378	2.254	.1676	.0009
%RSD	52	2.295	.8214	.027	.177	.7936

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	357100.	-.2239	.9334	1.582	-.6617	47460.
SDev	729.9	.0273	.0925	.1098	.0212	129.1
%RSD	.2044	12.18	9.91	6.939	3.199	.2721

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	69780.	168900.	1785.	98.68	200600.	14.02
SDev	233.5	349.6	4.494	1.27	546.3	.0979
%RSD	.3347	.207	.2517	1.287	.2724	.698

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.5247	.2926	1.278	-.0413	9.202	.8247
SDev	1.033	4.554	.2256	.3921	3.739	.0716
%RSD	196.9	1556	17.64	948.5	40.63	8.683

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	7.059	.6401	.4669	2.629	.6040	.7254
SDev	.1024	1.333	.8835	.9731	.1477	3.387
%RSD	1.45	208.2	189.2	37.01	24.45	467

Elms	1960/2	*Y
Units	PPB	
Avge	.0766	9126.5
SDev	5.137	12.7279
%RSD	6708	.13946

Method: TOTAL Sample Name: 240-25150-g-9-a Operator:
 Run Time: 06/05/13 20:15 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0530	5957.	40.89	3415.	620.9	.2587
SDev	.5769	12.78	.1797	5.529	.2453	.0062
%RSD	1088	.2146	.4394	.1619	.0395	2.41

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	308400.	3.655	14.79	11.22	41.32	108600.
SDev	105.6	.0351	.1849	.0186	.193	26.47
%RSD	.0343	.9593	1.25	.166	.4671	.0244

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	14970.	135600.	5805.	8.807	201400.	52.08
SDev	34.09	62.19	2.007	.1966	70.6	.7434
%RSD	.2276	.0459	.0346	2.233	.0351	1.427

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	21.14	-1.052	2.585	-.9196	9.039	40.47
SDev	.2515	.7399	2.41	.3891	.5394	.1947
%RSD	1.19	70.31	93.26	42.31	5.967	.481

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	134.9	19.05	22.18	3.544	2.106	-5.138
SDev	.0806	1.875	1.313	.6037	3.312	3.441
%RSD	.0597	9.847	5.921	17.04	157.3	66.97

Elms	1960/2	*Y
Units	PPB	
Avge	.9873	9239
SDev	2.827	2.12132
%RSD	286.3	.02296

Method: TOTAL Sample Name: 240-25150-d-9-a Operator:
 Run Time: 06/05/13 20:21 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.3233	39.48	40.74	3329.	591.8	-.0951
SDev	.4569	.3544	.4951	1.836	.0479	.0127
%RSD	141.3	.8977	1.215	.0552	.0081	13.37

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	344500.	-.5797	9.142	1.094	-.0477	112200.
SDev	399.7	.0426	.3629	.514	.3032	113.2
%RSD	.116	7.344	3.969	47.01	635	.1008

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	9938.	147100.	6479.	26.04	207600.	37.60
SDev	6.814	179.9	6.081	.587	240.5	.2139
%RSD	.0686	.1223	.0939	2.254	.1158	.5689

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.6214	-.9549	1.969	.6675	10.95	.3079
SDev	.07	2.587	.4947	.7679	1.869	.1387
%RSD	11.26	270.9	25.12	115	17.07	45.06

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	18.41	.0365	.9131	3.900	1.005	-3.360
SDev	.0476	.4681	.3386	1.818	.166	5.37
%RSD	.2586	1283	37.09	46.61	16.51	159.8

Elms	1960/2	*Y
Units	PPB	
Avge	.2457	9177.25
SDev	1.198	4.59619
%RSD	487.3	.05008

Method: TOTAL Sample Name: 240-24941-j-2-a@5 Operator:
 Run Time: 06/05/13 20:27 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1617	48.77	1.554	100.4	4.146	-.1524
SDev	.2462	1.144	.0874	5.05	.0081	.0311
%RSD	152.3	2.346	5.622	5.029	.1958	20.41

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	101100.	.1334	.9088	.5523	-.7146	51.95
SDev	522.8	.0003	.1816	.0621	.1754	5.536
%RSD	.517	.2406	19.98	11.24	24.55	10.66

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1059.	80780.	102.4	.3194	79460.	.9250
SDev	17.43	487.8	.0775	.1297	58.34	.231
%RSD	1.646	.6039	.0757	40.6	.0734	24.98

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.3052	.2949	1.627	.6660	4.971	-.2879
SDev	.6694	.6237	.8894	.6767	.406	.067
%RSD	219.3	211.5	54.66	101.6	8.167	23.29

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	6.893	-1.408	1.160	-1.528	3.202	-3.039
SDev	.0121	1.269	.3701	.3564	1.156	4.578
%RSD	.1751	90.12	31.9	23.32	36.08	150.6

Elms	1960/2	*Y
Units	PPB	
Avge	1.959	9281.25
SDev	1.35	18.7383
%RSD	68.92	.20189

Method: TOTAL Sample Name: 240-24941-j-7-a@5 Operator:
 Run Time: 06/05/13 20:33 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2851	95.97	.9442	117.7	1.557	-.1508
SDev	.1225	.825	.3158	2.256	.0697	.0128
%RSD	42.97	.8597	33.44	1.917	4.474	8.466

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	109100.	.0966	.3950	.3701	-1.005	65.14
SDev	2.337	.0772	.1805	.3578	.3077	1.525
%RSD	.0021	79.97	45.7	96.67	30.61	2.341

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1716.	73310.	7.003	.2210	22080.	.7872
SDev	.4177	20.26	.0412	.1312	98.78	.1143
%RSD	.0243	.0276	.5889	59.35	.4474	14.52

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-1.183	-1.758	2.180	.6136	1.872	-.0027
SDev	1.341	.5752	.0193	.7417	.4367	.0674
%RSD	113.4	32.72	.8839	120.9	23.33	2498

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	6.816	.0246	-1.786	.2579	3.139	-3.470
SDev	.081	.1027	2.062	.2412	.0915	1.397
%RSD	1.189	418.4	115.4	93.53	2.916	40.28

Elms	1960/2	*Y
Units	PPB	
Avge	-.9033	9328.75
SDev	1.56	1.06066
%RSD	172.7	.01136

Method: TOTAL Sample Name: 240-24944-e-1-b@5 Operator:
 Run Time: 06/05/13 20:40 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0685	35.73	.9107	34.56	2.530	-.1484
SDev	.0409	.4948	.3159	.3288	.0309	.001
%RSD	59.73	1.385	34.69	.9515	1.223	.6688

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	114400.	.2557	1.035	.5526	-.7331	534.9
SDev	301.1	.0798	.1817	.2736	.2301	.9856
%RSD	.2633	31.23	17.55	49.51	31.38	.1843

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1015.	67690.	639.6	8.054	17870.	1.844
SDev	.1285	186.7	1.846	.2485	154.1	.3803
%RSD	.0127	.2758	.2887	3.085	.8619	20.62

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1797	-.0279	3.057	1.531	6.576	-.4700
SDev	.8898	1.297	1.11	.6039	1.626	.0663
%RSD	495.2	4652	36.31	39.44	24.72	14.12

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	7.764	-.1675	-.1860	2.585	3.292	-2.378
SDev	.0698	.258	1.463	1.076	2.201	2.269
%RSD	.8996	154	786.3	41.62	66.87	95.42

Elms	1960/2	*Y
Units	PPB	
Avge	1.145	9290.75
SDev	3.077	15.9099
%RSD	268.6	.17124

Method: TOTAL Sample Name: 240-24944-e-7-b@5 Operator:
 Run Time: 06/05/13 20:46 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0312	35.24	.5699	50.43	2.523	-.1410
SDev	.1843	.3727	.8596	1.93	.039	.001
%RSD	591.4	1.057	150.8	3.827	1.544	.6991

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	101000.	.1299	1.545	.6540	-.6289	13.61
SDev	131.5	.0072	.36	.0436	.0241	3.069
%RSD	.1302	5.575	23.31	6.669	3.838	22.54

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1144.	74100.	1806.	1.059	34240.	2.083
SDev	2.017	109.1	2.671	.923	43.71	.041
%RSD	.1763	.1472	.1479	87.14	.1277	1.969

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0366	-.7908	.0510	.1206	7.146	-.3326
SDev	.1915	1.043	.3764	1.148	.5452	.0018
%RSD	523.3	131.9	738	951.6	7.629	.5427

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	10.73	.2303	-.1702	-1.010	.5805	-.7651
SDev	.0456	.8993	.7361	.3609	.3841	.0179
%RSD	.4254	390.5	432.6	35.74	66.16	2.346

Elms	1960/2	*Y
Units	PPB	
Avge	-.8037	9318.5
SDev	1.555	15.5563
%RSD	193.5	.16694

Method: TOTAL Sample Name: 240-24831-b-23-a@5 Operator:
 Run Time: 06/05/13 20:52 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.712	11480.	30.85	30.60	244.6	-.9942
SDev	.5814	8.587	.0238	.7759	.2631	.0122
%RSD	33.97	.0748	.077	2.535	.1076	1.232

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	11360.	1.258	17.31	30.86	9788.	39820.
SDev	26.85	.0644	.4593	.2187	.6615	79.16
%RSD	.2363	5.121	2.653	.7087	.0068	.1988

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	667.3	7232.	514.6	2.835	-1030.	44.86
SDev	20.88	18.03	.7517	.1246	260.5	.7571
%RSD	3.129	.2493	.1461	4.395	25.3	1.688

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5045.	2.922	11.28	13.46	4.096	46.87
SDev	11.6	.7876	.5705	.9631	1.459	.4443
%RSD	.2299	26.95	5.057	7.156	35.61	.948

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	360.8	4820.	5157.	10.39	11.73	-.8399
SDev	.5201	3.723	15.53	.1084	.8013	2.944
%RSD	.1441	.0772	.3012	1.044	6.831	350.5

Elms	1960/2	*Y
Units	PPB	
Avge	4.801	9528.25
SDev	.2891	10.253
%RSD	6.022	.1076

Method: TOTAL Sample Name: CCV Operator:
 Run Time: 06/05/13 20:58 Filename: I60605A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1018.	25860.	516.9	5163.	2095.	2093.
SDev	.7318	9.596	1.538	16.07	1.384	.2866
%RSD	.0719	.0371	.2975	.3113	.0661	.0137

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	51190.	514.5	2059.	2031.	2055.	26050.
SDev	9.806	.2593	.4003	.2723	2.89	11.14
%RSD	.0192	.0504	.0194	.0134	.1406	.0428

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	52690.	50840.	2047.	1998.	50410.	2093.
SDev	20.68	15.9	.2362	25.58	41.9	1.478
%RSD	.0392	.0313	.0115	1.28	.0831	.0706

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	519.6	511.9	515.4	5077.	1012.	2030.
SDev	.9256	3.509	.9395	.6781	8.562	.1808
%RSD	.1781	.6854	.1823	.0134	.846	.0089

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2071.	499.1	529.9	506.3	519.9	495.7
SDev	1.027	.6757	1.725	2.404	.2082	.8751
%RSD	.0496	.1354	.3256	.4748	.0401	.1765

Elems	1960/2	*Y
Units	PPB	
Avge	520.1	9414.75
SDev	5.698	3.88908
%RSD	1.096	.0413

Method: TOTAL Sample Name: CCB Operator:
 Run Time: 06/05/13 21:04 Filename: I60605A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0657	26.61	1.733	24.88	.2224	-.0441
SDev	.1809	.1287	2.003	4.474	.0688	.1017
%RSD	275.2	.4836	115.6	17.98	30.94	230.5

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-9.554	.1356	.2117	.5820	-1.171	6.595
SDev	2.073	.0179	.0883	.2068	.2167	8.217
%RSD	21.7	13.18	41.72	35.53	18.5	124.6

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	44.28	106.9	.1802	6.366	-617.0	.6744
SDev	5.152	1.547	.1395	3.415	53.64	.3373
%RSD	11.64	1.447	77.38	53.64	8.693	50.01

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.5983	-.2726	.1794	2.574	3.386	.1967
SDev	.6446	.2009	2.064	.5255	1.208	.0736
%RSD	107.7	73.68	1151	20.41	35.67	37.4

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.4198	.4935	-1.144	.2889	.1247	-.8366
SDev	.0805	.5206	.7065	.4858	3.338	1.764
%RSD	19.17	105.5	61.77	168.2	2677	210.9

Elms	1960/2	*Y
Units	PPB	
Avge	.0089	9483.25
SDev	.5797	9.54594
%RSD	6482	.10066

Method: TOTAL Sample Name: 240-24831-b-24-a@5 Operator:
 Run Time: 06/05/13 21:10 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3.145	9155.	16.62	66.81	106.9	.4171
SDev	.0301	29.43	.8878	.547	.4476	.053
%RSD	.958	.3215	5.341	.8188	.4187	12.7

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	7700.	-.1688	11.63	17.88	10570.	36250.
SDev	24.32	.0113	.1196	.1346	47.27	112.3
%RSD	.3159	6.692	1.028	.753	.4474	.3099

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	915.6	4812.	545.3	2.049	-750.7	24.11
SDev	8.05	13.91	1.946	.2002	128.6	.4779
%RSD	.8791	.2891	.3568	9.768	17.12	1.982

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	89.80	1.798	1.771	5.996	3.787	53.23
SDev	2.047	.4204	.6166	.8578	2.536	.3524
%RSD	2.28	23.38	34.82	14.31	66.97	.6621

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	96.07	87.59	90.90	4.249	.5339	-1.658
SDev	.292	.2889	3.214	3.95	2.896	1.925
%RSD	.3039	.3298	3.535	92.95	542.5	116.1

Elms	1960/2	*Y
Units	PPB	
Avge	3.524	9574.25
SDev	1.591	27.9307
%RSD	45.15	.29172

Method: TOTAL Sample Name: 240-24831-b-27-a@2 Operator:
 Run Time: 06/05/13 21:16 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3.603	49350.	71.92	54.50	8078.	-4.562
SDev	.2061	12.89	1.05	.2216	9.808	.0183
%RSD	5.72	.0261	1.46	.4066	.1214	.4001

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	207400.	3.389	58.99	151.3	9148.	303900.
SDev	101.9	.045	.0041	.4723	8.012	126.6
%RSD	.0491	1.328	.007	.3123	.0876	.0416

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2170.	48380.	4041.	13.75	-699.2	273.4
SDev	3.321	13.74	2.318	.1502	413.6	.2935
%RSD	.1531	.0284	.0574	1.092	59.16	.1073

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	12630.	3.252	14.13	33.92	7.844	149.2
SDev	9.692	.3194	.2322	.1613	2.298	.0963
%RSD	.0768	9.823	1.643	.4756	29.3	.0646

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	7189.	12120.	12880.	14.58	13.91	-11.55
SDev	5.689	34.57	2.729	1.894	1.294	2.66
%RSD	.0791	.2851	.0212	12.99	9.301	23.04

Elems	1960/2	*Y
Units	PPB	
Avge	10.64	9522
SDev	1.807	14.1421
%RSD	16.98	.14852

Method: TOTAL Sample Name: 240-24831-b-34-a@5 Operator:
 Run Time: 06/05/13 21:22 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4.944	10970.	19.71	33.32	313.7	-.0127
SDev	.5411	11.71	.3198	.6884	.1987	.0007
%RSD	10.95	.1067	1.623	2.066	.0634	5.509

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	9301.	1.018	15.55	26.38	6449.	33430.
SDev	3.366	.0909	.4529	.3735	12.55	30.51
%RSD	.0362	8.923	2.914	1.416	.1947	.0912

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	855.8	5798.	791.6	3.670	-799.8	43.49
SDev	15.96	7.994	.523	.9537	264	.5236
%RSD	1.865	.1379	.0661	25.98	33.01	1.204

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	780.3	.4687	4.737	11.01	6.051	53.16
SDev	1.254	.8818	3.614	.5993	1.172	.0818
%RSD	.1607	188.1	76.3	5.441	19.36	.1538

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	387.5	746.1	797.5	2.878	5.666	-3.876
SDev	.5454	3.283	.2406	2.089	4.376	2.902
%RSD	.1407	.4401	.0302	72.6	77.24	74.88

Elms	1960/2	*Y
Units	PPB	
Avge	2.638	9587
SDev	.1268	9.19238
%RSD	4.808	.09588

Method: TOTAL Sample Name: 240-24831-b-35-a@5 Operator:
 Run Time: 06/05/13 21:28 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3.543	15520.	38.31	21.94	321.8	-.3950
SDev	.2231	18.23	1.455	.5311	.0824	.0005
%RSD	6.298	.1174	3.799	2.421	.0256	.1146

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	17020.	1.006	19.80	45.42	16110.	42790.
SDev	12.63	.0346	.2	.144	18.16	22.99
%RSD	.0742	3.442	1.01	.3171	.1127	.0537

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1085.	7839.	722.8	2.310	-1052.	51.42
SDev	20.59	4.915	.2004	.0596	287.7	.2657
%RSD	1.898	.0627	.0277	2.581	27.35	.5167

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	979.8	-.0865	2.623	17.44	.7710	70.19
SDev	.1237	1.486	2.04	.7738	4.517	.0293
%RSD	.0126	1718	77.75	4.437	585.9	.0417

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	412.7	937.2	1001.	3.541	2.165	-.0852
SDev	.5721	.3579	.364	.4699	3.293	.3801
%RSD	.1386	.0382	.0364	13.27	152.1	446.4

Elms	1960/2	*Y
Units	PPB	
Avge	-.0872	9605
SDev	2.418	12.7279
%RSD	2772	.13251

Method: TOTAL Sample Name: 240-24831-b-36-a@5 Operator:
 Run Time: 06/05/13 21:34 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.313	12250.	11.27	17.88	123.4	-1.404
SDev	.8611	11.09	1.315	.0142	.0052	.0011
%RSD	65.56	.0905	11.67	.0795	.0042	.0817

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	9944.	.5421	19.05	36.00	9494.	26670.
SDev	19.67	.0385	.4721	.3912	5.439	26.66
%RSD	.1979	7.095	2.478	1.087	.0573	.0999

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	673.7	15760.	526.0	.8351	-1151.	37.39
SDev	18.05	31.4	.6401	.7733	392.8	.921
%RSD	2.679	.1992	.1217	92.6	34.12	2.463

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	145.0	-.7469	3.314	8.293	5.257	60.91
SDev	.6529	1.152	.9244	.1517	2.112	.1062
%RSD	.4503	154.3	27.89	1.829	40.18	.1743

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	235.7	139.9	147.6	2.475	3.734	-2.047
SDev	.2529	1.742	.1091	2.344	.2156	.0546
%RSD	.1073	1.246	.0739	94.73	5.775	2.67

Elms	1960/2	*Y
Units	PPB	
Avge	-.0980	9536
SDev	1.755	16.2634
%RSD	1791	.17054

Method: TOTAL Sample Name: 240-24831-b-38-a@5 Operator:
 Run Time: 06/05/13 21:40 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4.918	14410.	17.33	17.25	94.00	-1.824
SDev	.3838	17.67	.5246	.9068	.0732	.0135
%RSD	7.805	.1227	3.027	5.257	.0779	.7394

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	7868.	-.1768	24.99	35.17	12510.	54700.
SDev	12.55	.0351	.019	.2542	11.37	102.1
%RSD	.1595	19.83	.0761	.7229	.0909	.1866

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	540.4	14300.	643.7	.7916	-1030.	62.36
SDev	.1802	31.59	1.096	.3203	122.7	.6242
%RSD	.0334	.2209	.1703	40.47	11.92	1.001

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	360.0	1.217	6.230	16.42	6.457	66.28
SDev	.2746	.1384	2.01	.0004	.3345	.5767
%RSD	.0763	11.37	32.27	.0022	5.181	.8701

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	162.2	343.3	368.4	2.483	8.101	-3.480
SDev	.3327	.4027	.6128	.9356	2.547	4.579
%RSD	.2051	.1173	.1664	37.68	31.44	131.6

Elms	1960/2	*Y
Units	PPB	
Avge	3.562	9520.25
SDev	2.494	7.42462
%RSD	70.01	.07798

Method: TOTAL Sample Name: 240-24881-b-4-a@5 Operator:
 Run Time: 06/05/13 21:46 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0237	25.47	1.581	17.20	93.62	-.1103
SDev	1.061	3.988	.2858	.6547	.0774	.019
%RSD	4481	15.66	18.08	3.807	.0827	17.22

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	45240.	.0526	-.1500	-.0612	-.0053	651.6
SDev	36.34	.1224	.9012	.7153	.3123	2.067
%RSD	.0803	232.9	600.8	1168	5841	.3172

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	894.7	12790.	18.86	1.427	156200.	.5177
SDev	22.71	2.899	.049	1.313	18.86	.6479
%RSD	2.538	.0227	.2599	92.03	.0121	125.1

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.3629	.4948	2.363	1.014	5.894	.0369
SDev	.7191	1.508	.3833	.9315	2.176	.4058
%RSD	198.2	304.8	16.23	91.91	36.92	1099

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	9.017	-1.567	1.326	-1.254	4.168	-1.913
SDev	.08	2.82	2.486	1.434	.1411	1.526
%RSD	.8871	180	187.5	114.3	3.384	79.77

Elms	1960/2	*Y
Units	PPB	
Avge	1.697	9334.5
SDev	3.023	4.24264
%RSD	178.2	.04545

Method: TOTAL Sample Name: 240-24881-b-6-a@5 Operator:
 Run Time: 06/05/13 21:52 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.7810	26.42	2.319	9.204	49.45	-.0867
SDev	.1212	.2664	.4054	.3205	.1168	.008
%RSD	15.51	1.008	17.49	3.482	.2362	9.222

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	51570.	.1351	.4399	.8246	.0531	1009.
SDev	56.12	.0154	.0007	.1084	.2422	2.321
%RSD	.1088	11.41	.1643	13.14	455.8	.23

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1401.	13330.	20.90	1.679	265900.	.5726
SDev	8.427	17.15	.0701	.0603	459.1	.3454
%RSD	.6015	.1286	.3353	3.59	.1727	60.32

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.8965	1.229	.8378	.9560	5.648	.1284
SDev	.2332	.1003	.1322	.0897	.9885	.0006
%RSD	26.01	8.165	15.78	9.387	17.5	.4574

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	8.370	1.322	.6839	.4298	1.042	-.9161
SDev	.0235	.4448	.5717	.7242	.5598	1.399
%RSD	.2808	33.66	83.59	168.5	53.75	152.7

Elms	1960/2	*Y
Units	PPB	
Avge	2.300	9255.5
SDev	.8486	21.9203
%RSD	36.9	.23683

Method: TOTAL Sample Name: 240-24881-b-7-a@5 Operator:
 Run Time: 06/05/13 21:58 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1917	29.56	1.942	8.375	49.26	-.1178
SDev	1.043	2.315	.7573	.61	.1437	.0211
%RSD	543.9	7.832	39	7.284	.2917	17.89

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	51600.	.0297	.1233	1.162	-.4714	996.1
SDev	113.1	.0471	.6309	.4256	.2479	3.438
%RSD	.2192	159	511.7	36.62	52.58	.3452

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1365.	13360.	20.85	.5954	263200.	.7880
SDev	6.973	33.32	.0207	.2671	255.4	.037
%RSD	.5108	.2495	.0993	44.87	.097	4.698

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0689	.1547	2.671	-.4520	1.165	-.0180
SDev	.3061	.7526	.1849	1.533	3.261	.2029
%RSD	444.3	486.7	6.921	339.2	279.9	1124

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	8.297	-.1382	-.0346	1.866	3.074	-2.488
SDev	.106	2.947	1.013	2.039	1.295	1.669
%RSD	1.277	2133	2924	109.3	42.14	67.1

Elms	1960/2	*Y
Units	PPB	
Avge	1.474	9310.75
SDev	.2951	27.2236
%RSD	20.02	.29238

Method: TOTAL Sample Name: mb 240-87637/1-a Operator:
 Run Time: 06/05/13 22:04 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.3186	27.87	1.769	2.379	1.068	-.1498
SDev	.5793	3.884	1.817	.1082	.0343	.0064
%RSD	181.8	13.94	102.7	4.55	3.214	4.25

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	246.0	.0878	.6525	.5483	-.2515	25.88
SDev	.8851	.0449	.3531	.0411	.202	2.699
%RSD	.3598	51.16	54.12	7.498	80.33	10.43

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	59.53	H167.6	.7944	.1084	-668.8	.4356
SDev	13.6	2.051	.0199	.1283	211.2	.4478
%RSD	22.85	1.224	2.507	118.4	31.58	102.8

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0568	.6042	.7010	1.553	3.201	.2272
SDev	.7319	3.66	.8384	2.029	1.819	.0003
%RSD	1289	605.8	119.6	130.7	56.84	.1234

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	10.82	-.6528	.2404	1.418	.3431	2.092
SDev	.0248	1.609	.294	1.404	.5558	1.365
%RSD	.2291	246.5	122.3	99.05	162	65.25

Elms	1960/2	*Y
Units	PPB	
Avge	-.1387	9531.5
SDev	4.806	1.41421
%RSD	3464	.01483

Method: TOTAL Sample Name: CCV Operator:
 Run Time: 06/05/13 22:11 Filename: I60605A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1022.	25930.	515.4	5154.	2098.	2083.
SDev	.4881	27.74	.6065	13.32	.7306	1.364
%RSD	.0478	.107	.1177	.2584	.0348	.0655

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	51380.	514.3	2060.	2036.	2060.	26110.
SDev	83.89	.3095	1.446	2.679	.7382	40.07
%RSD	.1633	.0602	.0702	.1316	.0358	.1535

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	52860.	50910.	2052.	2017.	50610.	2086.
SDev	32.16	89	2.757	25.48	11.02	.0041
%RSD	.0608	.1748	.1343	1.263	.0218	.0002

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	519.5	516.5	511.8	5088.	1019.	2034.
SDev	1.167	2.416	4.19	11.23	1.889	2.687
%RSD	.2247	.4678	.8187	.2207	.1853	.1321

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2076.	506.0	526.2	509.8	512.8	505.3
SDev	1.152	2.186	.659	1.983	5.292	1.156
%RSD	.0555	.432	.1252	.3889	1.032	.2288

Elms	1960/2	*Y
Units	PPB	
Avge	522.0	9343.75
SDev	4.2	10.253
%RSD	.8045	.10973

Method: TOTAL Sample Name: CCB Operator:
 Run Time: 06/05/13 22:17 Filename: I60605A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1528	15.17	1.612	20.21	.2229	-.0002
SDev	.4242	2.942	.4462	4.413	.0692	.0453
%RSD	277.7	19.4	27.68	21.84	31.03	23280

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-6.763	.0287	.2719	.5274	-.5981	6.334
SDev	1.492	.0377	.178	.5414	.2843	.0139
%RSD	22.06	131.4	65.44	102.7	47.53	.2196

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	35.96	106.5	.1392	6.862	-831.0	.5427
SDev	4.644	.5242	.0003	3.561	84.8	.0752
%RSD	12.91	.4924	.1828	51.89	10.2	13.86

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.6422	1.180	1.799	2.107	2.031	.3875
SDev	1.137	.8457	.0648	.3635	.2521	.059
%RSD	177.1	71.68	3.6	17.25	12.41	15.24

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.4260	-.1448	-.8908	.5433	2.426	-2.439
SDev	.1331	1.303	1.054	2.461	1.132	4.43
%RSD	31.25	900.1	118.3	453.1	46.65	181.6

Elms	1960/2	*Y
Units	PPB	
Avge	2.987	9434
SDev	.9437	10.6066
%RSD	31.6	.11242

Method: TOTAL Sample Name: lcs 240-87637/2-a Operator:
 Run Time: 06/05/13 22:23 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	48.39	1964.	1896.	961.1	1941.	47.07
SDev	1.551	53.87	44.56	22.66	47.53	1.265
%RSD	3.205	2.744	2.35	2.358	2.448	2.688

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	48000.	47.77	480.0	190.4	242.1	980.1
SDev	1271	1.246	13.17	5.409	7.166	29.58
%RSD	2.649	2.608	2.743	2.841	2.96	3.018

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	50270.	47850.	486.4	931.4	49130.	486.6
SDev	1166	1308	13.2	8.911	1123	12.25
%RSD	2.319	2.733	2.714	.9568	2.285	2.518

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	476.9	1952.	471.8	1873.	1909.	478.4
SDev	10.33	37.05	6.703	46.65	40.95	13.03
%RSD	2.165	1.898	1.421	2.491	2.146	2.725

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	498.3	462.0	484.4	475.0	470.1	1907.
SDev	13.6	8.214	11.38	9.7	5.207	45.82
%RSD	2.73	1.778	2.35	2.042	1.108	2.403

Elms	1960/2	*Y
Units	PPB	
Avge	1975.	9511.5
SDev	32.67	197.99
%RSD	1.654	2.08158

Method: TOTAL Sample Name: 240-24875-j-1-a Operator:
 Run Time: 06/05/13 22:29 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1235	30.05	2.145	274.7	185.2	-.0941
SDev	.3228	1.341	.0175	1.451	1.697	.0032
%RSD	261.4	4.464	.8159	.5282	.9161	3.401

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	11210.	.1408	.0765	.6886	2.695	224.0
SDev	65.03	.1001	.5384	.1419	.3954	2.037
%RSD	.58	71.08	703.5	20.61	14.67	.9094

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3517.	3291.	27.62	3.602	165600.	.5169
SDev	32.62	22.51	.2402	2.186	1377	.2647
%RSD	.9274	.684	.8699	60.67	.8315	51.22

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.4819	1.077	3.109	1.984	6.569	.1422
SDev	.1546	2.567	.9686	1.033	.2822	.2624
%RSD	32.07	238.5	31.15	52.1	4.297	184.5

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	14.02	-2.922	2.181	.9364	4.194	-.4628
SDev	.0851	2.942	1.237	2.61	2.755	3.82
%RSD	.6068	100.7	56.71	278.7	65.69	825.4

Elems	1960/2	*Y
Units	PPB	
Avge	1.845	9429.25
SDev	1.942	47.7297
%RSD	105.2	.50618

Method: TOTAL Sample Name: 240-24875-j-1-b ms Operator:
 Run Time: 06/05/13 22:35 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	53.48	2165.	2104.	1326.	2317.	51.74
SDev	.1792	.916	3.053	3.264	2.157	.0418
%RSD	.3351	.0423	.1451	.2462	.0931	.0808

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	63750.	52.55	526.6	208.7	266.6	1277.
SDev	36.57	.1444	.2468	.2129	.2803	1.218
%RSD	.0574	.2747	.0469	.102	.1051	.0954

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	60520.	55610.	559.6	1033.	219800.	534.5
SDev	90.9	17.72	.2905	18.01	175.1	1.551
%RSD	.1502	.0319	.0519	1.743	.0796	.2902

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	526.5	2137.	517.6	2065.	2100.	524.2
SDev	1.278	4.408	1.691	2.528	5.43	.1313
%RSD	.2427	.2062	.3267	.1224	.2586	.025

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	550.4	509.3	535.2	521.3	515.8	2086.
SDev	.2028	1.438	2.634	2.392	1.341	8.344
%RSD	.0368	.2824	.4922	.4588	.26	.3999

Elms	1960/2	*Y
Units	PPB	
Avge	2163.	9343.5
SDev	2.442	2.82842
%RSD	.1129	.03027

Method: TOTAL Sample Name: 240-24875-j-1-c msd Operator:
 Run Time: 06/05/13 22:41 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	52.73	2146.	2072.	1315.	2293.	51.12
SDev	.0333	1.025	5.292	.5314	2.807	.1058
%RSD	.0631	.0478	.2555	.0404	.1225	.207

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	63100.	51.84	521.5	206.3	265.8	1258.
SDev	83.72	.0233	.4779	.3306	.105	2.311
%RSD	.1327	.045	.0916	.1603	.0395	.1837

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	60340.	55050.	554.9	1030.	219100.	526.3
SDev	48.25	77.78	.5673	12.35	71.05	.2136
%RSD	.0799	.1413	.1022	1.199	.0324	.0406

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	518.9	2118.	515.0	2046.	2093.	520.3
SDev	1.577	.2874	1.06	1.073	.9866	.6978
%RSD	.3038	.0136	.2059	.0525	.0471	.1341

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	544.4	504.3	526.1	521.4	511.8	2076.
SDev	.4469	.3107	2.209	4.181	.4978	3.01
%RSD	.0821	.0616	.4198	.802	.0973	.145

Elms	1960/2	*Y
Units	PPB	
Avge	2139.	9275.75
SDev	1.072	16.617
%RSD	.0501	.17914

Method: TOTAL Sample Name: 190-870-c-1-a Operator:
 Run Time: 06/05/13 22:47 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.4446	292.6	2.738	94.72	33.30	-.0189
SDev	.1623	1.083	.2774	1.581	.1193	.0052
%RSD	36.5	.37	10.13	1.669	.3583	27.6

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	43090.	.2204	.8092	1.652	38.91	1096.
SDev	33.2	.0545	.1805	.1086	.0896	6.12
%RSD	.077	24.71	22.31	6.573	.2303	.5585

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	16660.	11530.	99.06	7.745	175600.	3.026
SDev	12.44	9.165	.0643	1.853	207.4	.4533
%RSD	.0746	.0795	.0649	23.92	.1181	14.98

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.990	1.551	3.022	2.550	6.322	.9462
SDev	.4709	.0748	.505	.6469	2.289	.0613
%RSD	23.67	4.825	16.71	25.37	36.2	6.484

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	171.7	1.064	2.451	1.129	3.967	1.976
SDev	.3961	1.395	1.403	2.622	.5521	.5242
%RSD	.2306	131.1	57.22	232.4	13.92	26.53

Elms	1960/2	*Y
Units	PPB	
Avge	1.338	9324.5
SDev	.1495	15.5563
%RSD	11.18	.16683

Method: TOTAL Sample Name: SD 190-870-c-1-a@5 Operator:
 Run Time: 06/05/13 22:53 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2347	77.68	2.320	23.58	6.902	-.0910
SDev	.3431	.3499	.7736	.8699	.0089	.0072
%RSD	146.1	.4505	33.35	3.689	.1286	7.879

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	8716.	.1842	.4686	1.040	7.357	230.2
SDev	4.311	.0533	.4449	.0191	.1301	.2439
%RSD	.0495	28.97	94.96	1.84	1.769	.1059

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2919.	2397.	19.95	2.545	35380.	.6225
SDev	7.64	3.508	.0137	.7171	81.88	.1885
%RSD	.2618	.1463	.0685	28.18	.2314	30.29

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.5327	1.418	2.909	.7154	1.810	.1854
SDev	.6555	1.476	.2232	.57	2.218	.0683
%RSD	123	104.1	7.671	79.68	122.5	36.88

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	40.74	1.987	-.1938	2.521	3.103	.2697
SDev	.0256	2.054	2.008	1.541	1.104	4.323
%RSD	.0627	103.4	1037	61.12	35.58	1603

Elms	1960/2	*Y
Units	PPB	
Avge	1.991	9449.25
SDev	.0546	12.3744
%RSD	2.74	.13095

Method: TOTAL Sample Name: 190-873-d-1-a Operator:
 Run Time: 06/05/13 22:59 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.4858	43810.	8.893	780.7	205.8	.2466
SDev	.3004	2021	.9606	32.04	9.673	.0477
%RSD	61.84	4.612	10.8	4.104	4.7	19.32

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	71940.	7.746	14.00	86.04	1443.	62550.
SDev	3150	.2804	.8289	4.103	66.54	2905
%RSD	4.379	3.62	5.919	4.769	4.612	4.644

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5138.	16380.	676.8	199.4	113500.	50.90
SDev	182	738	31.07	8.285	4476	1.706
%RSD	3.541	4.504	4.591	4.156	3.945	3.352

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	402.8	2.317	11.12	819.4	6.317	15.67
SDev	18.54	.5096	2.431	35.71	2.571	.7555
%RSD	4.602	21.99	21.86	4.359	40.69	4.822

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3187.	387.4	410.6	12.51	10.42	3.139
SDev	143.6	14.58	20.51	.7811	3.255	.3454
%RSD	4.507	3.765	4.997	6.242	31.23	11

Elms	1960/2	*Y
Units	PPB	
Avge	1.907	9600.75
SDev	.9364	345.422
%RSD	49.11	3.59786

Method: TOTAL Sample Name: 240-24877-j-1-a Operator:
 Run Time: 06/05/13 23:05 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1208	13.56	1.591	362.6	148.0	-.0238
SDev	.2855	1.933	.8872	.134	.2888	.0017
%RSD	236.5	14.25	55.78	.0369	.1951	7.256

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	21110.	.0551	.2865	.3850	1.300	233.2
SDev	33.19	.1091	.0012	.0434	.0616	2.868
%RSD	.1572	198.2	.4135	11.28	4.74	1.23

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3904.	6151.	16.46	.5456	181500.	.2476
SDev	6.563	9.462	.0003	.0624	427.2	.3434
%RSD	.1681	.1538	.0017	11.43	.2353	138.7

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.3646	-.4354	2.122	1.258	2.631	.1373
SDev	.7999	.446	.5798	1.803	.8932	.1337
%RSD	219.4	102.4	27.32	143.3	33.95	97.4

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2.710	-1.591	.2473	1.783	2.292	-.6792
SDev	.3348	.798	1.598	1.437	.1518	1.898
%RSD	12.36	50.17	646.2	80.62	6.623	279.4

Elms	1960/2	*Y
Units	PPB	
Avge	-.3136	9330.5
SDev	1.616	22.6274
%RSD	515.3	.24251

Method: TOTAL Sample Name: 240-24878-j-1-a Operator:
 Run Time: 06/05/13 23:11 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0800	1574.	2.112	33.29	44.50	-.0110
SDev	.121	2.049	.9477	.7149	.0835	.0067
%RSD	151.2	.1302	44.87	2.147	.1876	60.81

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	28820.	.1101	1.450	2.110	2.650	2091.
SDev	1.102	.0988	.1784	.0427	.1083	1.832
%RSD	.0038	89.74	12.3	2.024	4.088	.0876

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1684.	7765.	194.9	.2535	9975.	3.895
SDev	3.901	4.977	.1519	.7129	46.52	.4499
%RSD	.2317	.0641	.0779	281.2	.4664	11.55

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2.187	1.001	1.473	-.5342	3.542	3.334
SDev	.8053	.5457	.5862	.8114	1.776	.1957
%RSD	36.83	54.53	39.78	151.9	50.13	5.869

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	17.11	.9981	2.780	1.582	1.420	-.2841
SDev	.0369	3.249	.4145	1.176	.2916	.3743
%RSD	.2155	325.5	14.91	74.37	20.54	131.7

Elms	1960/2	*Y
Units	PPB	
Avge	1.642	9453.5
SDev	.6313	4.24264
%RSD	38.44	.04487

Method: TOTAL Sample Name: 240-24879-j-1-a Operator:
 Run Time: 06/05/13 23:17 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0388	18.95	1.455	41.66	47.31	-.0369
SDev	.061	.0675	.9126	1.438	.0374	.0132
%RSD	157.1	.3564	62.71	3.451	.0791	35.91

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	42860.	.1368	.4425	.6630	41.94	9.352
SDev	55.76	.1033	.0003	.1889	.1401	.0035
%RSD	.1301	75.51	.0742	28.5	.3341	.037

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1504.	11090.	4.830	-.1078	5164.	2.902
SDev	9.028	19.68	.0435	.3267	71.38	.1533
%RSD	.6001	.1775	.9012	303	1.382	5.283

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0270	1.645	2.800	-.2568	4.410	.0440
SDev	.2357	.5118	2.307	.7962	2.564	.0009
%RSD	871.7	31.11	82.38	310.1	58.14	1.956

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	49.15	-1.141	.6100	-.5863	4.491	1.201
SDev	.2047	.7812	.0366	2.14	2.39	2.533
%RSD	.4166	68.46	6.002	365.1	53.22	210.9

Elms	1960/2	*Y
Units	PPB	
Avge	1.867	9383.5
SDev	.4971	6.36396
%RSD	26.62	.06782

Method: TOTAL Sample Name: CCV Operator:
 Run Time: 06/05/13 23:23 Filename: I60605A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1028.	25930.	514.3	5158.	2087.	2066.
SDev	1.281	45.31	.9542	5.104	3.647	2.175
%RSD	.1246	.1747	.1855	.099	.1748	.1053

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	51770.	516.1	2062.	2040.	2064.	26120.
SDev	8.795	.7545	2.122	.8807	3.46	1.933
%RSD	.017	.1462	.1029	.0432	.1676	.0074

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	53480.	51280.	2058.	2037.	50880.	2069.
SDev	98.85	20.19	1.802	28.25	138.2	3.344
%RSD	.1848	.0394	.0876	1.387	.2717	.1616

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	518.9	516.0	514.5	5124.	1039.	2035.
SDev	.7232	.9855	2.003	2.382	6.774	1.205
%RSD	.1394	.191	.3894	.0465	.6521	.0592

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2079.	514.1	521.2	515.0	514.2	515.1
SDev	2.659	3.673	.7493	3.195	4.599	4.637
%RSD	.1279	.7144	.1438	.6204	.8943	.9002

Elms	1960/2	*Y
Units	PPB	
Avge	516.5	9241
SDev	3.792	.7071
%RSD	.7343	.00765

Method: TOTAL Sample Name: CCB Operator:
 Run Time: 06/05/13 23:29 Filename: I60605A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1901	12.78	.3985	21.60	.2237	.1295
SDev	.0204	1.347	1.608	4.19	.2092	.1402
%RSD	10.72	10.54	403.4	19.4	93.48	108.2

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-4.870	.0913	.2670	.6232	.0543	6.271
SDev	3.782	.0043	.3598	.0434	.2177	2.426
%RSD	77.67	4.706	134.7	6.959	401.2	38.7

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	39.88	105.7	.1842	7.592	-844.5	.1402
SDev	6.024	3.812	.1411	3.614	140.7	.4953
%RSD	15.1	3.607	76.59	47.6	16.66	353.2

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.9111	.6145	2.911	1.916	2.588	.1096
SDev	.9164	.427	1.169	.2068	.445	.0588
%RSD	100.6	69.48	40.17	10.79	17.19	53.68

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.5135	.8185	.9570	2.319	3.207	-.8609
SDev	.2351	.2232	1.485	.497	2.001	2.765
%RSD	45.79	27.27	155.2	21.43	62.41	321.2

Elms	1960/2	*Y
Units	PPB	
Avge	1.351	9340.25
SDev	.7405	9.54594
%RSD	54.8	.1022

Method: TOTAL Sample Name: 240-24891-j-1-a Operator:
 Run Time: 06/05/13 23:36 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.2532	1683.	10.18	700.9	49.25	.0785
SDev	.41	18.84	.7186	6.703	.3752	.0729
%RSD	161.9	1.119	7.056	.9565	.7618	92.87

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	101100.	.0141	2.042	2.700	2.002	4238.
SDev	704.8	.0384	.2845	.2198	.5915	45.85
%RSD	.6974	272	13.94	8.14	29.54	1.082

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	8780.	58070.	310.4	2.083	104600.	4.872
SDev	65.16	439.8	2.648	.3646	1039	.2
%RSD	.7422	.7574	.8532	17.5	.9942	4.106

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2734	-.5622	1.576	.1450	5.544	2.689
SDev	.0904	.1345	1.494	.9247	.5727	.0385
%RSD	33.07	23.92	94.85	637.9	10.33	1.433

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	19.68	.9650	-.0722	1.099	1.814	.7966
SDev	.1587	.4568	.3636	.4833	2.482	2.144
%RSD	.8066	47.34	503.5	43.97	136.8	269.2

Elms	1960/2	*Y
Units	PPB	
Avge	-1.241	9303.5
SDev	.8689	97.5807
%RSD	70.04	1.04886

Method: TOTAL Sample Name: 240-24891-h-1-a Operator:
 Run Time: 06/05/13 23:42 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.6095	75.71	5.348	735.2	24.60	.0326
SDev	1.532	3.375	1.329	2.928	.1686	.0257
%RSD	251.4	4.458	24.85	.3983	.6856	78.98

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	105800.	.0077	.6064	.2871	.0790	1823.
SDev	238.9	.1254	.8237	1.003	.5118	9.029
%RSD	.2258	1635	135.8	349.5	647.7	.4952

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	8708.	60250.	354.0	1.083	109700.	1.613
SDev	36.42	170.3	.3287	.7983	269.5	1.044
%RSD	.4182	.2826	.0928	73.71	.2457	64.7

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2114	-1.469	3.127	-.2861	1.235	-.4160
SDev	.6678	.179	1.19	.0594	2.563	.4788
%RSD	315.9	12.18	38.04	20.77	207.6	115.1

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	6.507	-1.336	.9834	-.5974	4.987	-1.711
SDev	.1252	.5115	.7459	.2392	1.903	.5828
%RSD	1.924	38.3	75.84	40.04	38.16	34.06

Elems	1960/2	*Y
Units	PPB	
Avge	-1.348	9196.25
SDev	.5593	3.18198
%RSD	41.47	.0346

Method: TOTAL Sample Name: 240-24891-1-2-a Operator:
 Run Time: 06/05/13 23:48 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0893	498.7	3.080	192.9	136.1	.0390
SDev	.2496	1.344	.2716	.184	.5472	.0066
%RSD	279.5	.2694	8.818	.0954	.402	16.98

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	95530.	.0719	4.285	2.059	.9968	7810.
SDev	82.22	.0195	.1835	.2993	.3137	7.314
%RSD	.0861	27.07	4.283	14.54	31.47	.0937

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2816.	65820.	3331.	1.607	113300.	5.071
SDev	21.69	44.21	2.796	.2006	279.5	.1931
%RSD	.7703	.0672	.084	12.48	.2466	3.809

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.6408	1.015	.9449	.1194	5.166	.3948
SDev	.6374	.8456	1.688	1.073	.7166	.274
%RSD	99.47	83.29	178.6	898.6	13.87	69.39

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	7.056	-.9895	1.454	.4208	1.207	1.351
SDev	.0513	.3384	.7867	1.456	1.804	.4493
%RSD	.7267	34.2	54.09	346	149.5	33.25

Elms	1960/2	*Y
Units	PPB	
Avge	.8473	9174
SDev	1.492	1.41421
%RSD	176.1	.01541

Method: TOTAL Sample Name: 240-24891-j-2-a Operator:
 Run Time: 06/05/13 23:54 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-1.682	108.6	1.841	189.7	136.0	-.0118
SDev	2.925	11.09	2.305	.2653	.2479	.0123
%RSD	173.9	10.22	125.2	.1399	.1823	104.7

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	95130.	-.0618	2.989	.1678	.4837	7568.
SDev	112.1	.309	1.837	1.691	.0158	19.97
%RSD	.1179	499.9	61.46	1008	3.275	.2639

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2697.	65590.	3312.	-.3273	112600.	3.262
SDev	75.29	51.43	2.788	1.469	588.6	1.67
%RSD	2.791	.0784	.0842	448.7	.5228	51.2

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.8181	-1.331	6.556	-.3405	6.543	.0085
SDev	1.167	.9689	7.283	.9108	1.812	.2765
%RSD	142.7	72.81	111.1	267.5	27.69	3258

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4.916	-7.433	4.937	-3.870	11.76	-8.844
SDev	.0494	9.423	6.454	4.367	13.1	9.709
%RSD	1.006	126.8	130.7	112.8	111.4	109.8

Elms	1960/2	*Y
Units	PPB	
Avge	2.420	9174.25
SDev	3.395	9.54594
%RSD	140.3	.10405

Method: TOTAL Sample Name: 240-24891-1-3-a Operator:
 Run Time: 06/06/13 00:00 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.9276	47.46	1.660	116.4	53.72	.0125
SDev	.6426	3.175	1.379	.2173	.4442	.0048
%RSD	69.28	6.691	83.05	.1867	.8269	38.37

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	122600.	.0637	-.1440	.2746	.4322	518.2
SDev	975.4	.0504	.4575	.0868	.2754	2.078
%RSD	.7958	79.13	317.7	31.62	63.72	.401

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3536.	88180.	21.01	6.291	26370.	.0818
SDev	23.16	709.4	.0129	.4175	158.5	.8925
%RSD	.6549	.8045	.0615	6.637	.6009	1091

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.6395	.0055	5.195	-.0251	5.862	.0051
SDev	.3692	.0872	4.686	.0931	1.863	.204
%RSD	57.72	1588	90.19	371.1	31.79	3968

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	6.098	-5.214	3.562	-3.329	9.451	-6.873
SDev	.0973	5.322	3.211	2.428	8.237	2.319
%RSD	1.596	102.1	90.14	72.95	87.16	33.74

Elms	1960/2	*Y
Units	PPB	
Avge	3.440	9159.5
SDev	1.288	21.2132
%RSD	37.46	.23159

Method: TOTAL Sample Name: 240-24891-j-3-a Operator:
 Run Time: 06/06/13 00:06 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.3231	5.875	1.063	113.3	52.65	.0394
SDev	.0827	.9536	1.777	1.326	.1428	.018
%RSD	25.61	16.23	167.2	1.171	.2713	45.76

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	121200.	.1584	.5042	.4257	.4864	60.91
SDev	291.6	.0862	.0922	.0846	.1749	1.367
%RSD	.2405	54.45	18.28	19.87	35.95	2.244

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3497.	87220.	4.756	7.556	26150.	1.260
SDev	4.666	203.1	.0716	.5839	37.14	.6964
%RSD	.1334	.2329	1.505	7.727	.142	55.28

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-1.045	-1.075	1.591	-.6596	1.422	-.6602
SDev	.4193	.3565	.6897	.0755	1.025	.0659
%RSD	40.11	33.17	43.35	11.44	72.06	9.985

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4.154	.2775	-1.706	1.922	1.426	.4801
SDev	.0133	.0133	.6352	2.31	2.188	2.028
%RSD	.319	4.793	37.24	120.2	153.4	422.4

Elms	1960/2	*Y
Units	PPB	
Avge	-1.851	9170.25
SDev	1.547	18.7383
%RSD	83.57	.20433

Method: TOTAL Sample Name: 240-24899-a-1-a Operator:
 Run Time: 06/06/13 00:12 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.9207	638.6	2.720	14390.	30.21	.0230
SDev	.5707	5.439	1.284	72.62	.0557	.0253
%RSD	61.99	.8518	47.2	.5047	.1844	109.8

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	114700.	.1183	2.196	1.345	29.23	1205.
SDev	14.69	.213	.4668	1.491	.0239	1.6
%RSD	.0128	180	21.25	110.9	.0816	.1328

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	30240.	26810.	389.7	63.32	529500.	12.91
SDev	30.48	2.21	.1543	.8693	211.4	2.124
%RSD	.1008	.0082	.0396	1.373	.0399	16.45

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5.295	-.4588	3.211	-.2754	3.635	1.358
SDev	.9415	1.831	.0206	.7162	.6659	.0045
%RSD	17.78	399.1	.6415	260.1	18.32	.3297

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	224.4	5.304	5.291	4.682	2.477	5.098
SDev	.4329	2.47	2.645	1.864	.9616	8.467
%RSD	.1929	46.57	49.98	39.82	38.82	166.1

Elms	1960/2	*Y
Units	PPB	
Avge	-3.233	8973.75
SDev	1.482	16.617
%RSD	45.84	.18517

Method: TOTAL Sample Name: 240-24803-k-1-b Operator:
 Run Time: 06/06/13 00:18 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1031	8.506	1.271	150.7	121.4	-.0107
SDev	.1436	1.137	.6127	13.13	.2153	.0129
%RSD	139.3	13.37	48.22	8.711	.1773	120.3

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	79350.	.1019	.1923	.2233	7.922	-2.985
SDev	51.68	.0016	.0905	.5713	.3071	6.216
%RSD	.0651	1.572	47.08	255.8	3.877	208.2

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1833.	16580.	.2580	-.2867	34910.	-.1051
SDev	6.813	4.941	.0406	.462	247.5	.0767
%RSD	.3718	.0298	15.75	161.1	.7089	72.95

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2906	-.6861	.5751	.8624	2.927	-.2407
SDev	.3747	.4548	.0976	.3656	.3244	.134
%RSD	128.9	66.29	16.98	42.39	11.09	55.66

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	54.18	-.1782	.5243	.0856	.8194	.6409
SDev	.03	.8578	.1335	.7279	.2171	1.917
%RSD	.0554	481.4	25.46	850.5	26.49	299.2

Elms	1960/2	*Y
Units	PPB	
Avge	-1.349	9278.25
SDev	.2754	.35355
%RSD	20.42	.00381

Method: TOTAL Sample Name: 240-24805-k-1-b Operator:
 Run Time: 06/06/13 00:24 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0229	3.524	1.716	56.00	111.0	.0370
SDev	.0618	.5178	1.906	3.315	.0026	.0134
%RSD	270	14.69	111.1	5.92	.0024	36.32

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	154700.	.0547	.9515	.4944	-.1613	587.1
SDev	156	.0302	.091	.1905	.112	4.418
%RSD	.1008	55.12	9.561	38.53	69.44	.7524

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2100.	34280.	243.3	.0890	44710.	1.035
SDev	2.759	38.01	.0469	.0667	56.23	.231
%RSD	.1313	.1109	.0193	74.99	.1258	22.32

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-1.303	-1.399	1.100	.6504	1.961	-.3466
SDev	.5261	.1133	.0497	1.157	2.973	.271
%RSD	40.39	8.097	4.519	177.9	151.6	78.19

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	15.69	-2.320	-.7951	.5958	1.351	-1.838
SDev	.0886	1.294	.1425	.2392	.1939	1.552
%RSD	.5648	55.8	17.92	40.15	14.35	84.43

Elms	1960/2	*Y
Units	PPB	
Avge	-1.181	9253.5
SDev	.6047	5.65685
%RSD	51.22	.06113

Method: TOTAL Sample Name: 240-24806-k-1-b Operator:
 Run Time: 06/06/13 00:30 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-1.208	5.670	1.790	45.87	72.08	.0414
SDev	1.449	8.554	.6867	1.293	.057	.0001
%RSD	120	150.9	38.37	2.818	.0791	.3756

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	155900.	.0744	.1362	-.2869	33.57	5.982
SDev	146.7	.1471	1.372	1.345	.1133	2.945
%RSD	.0941	197.6	1007	468.7	.3375	49.22

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2170.	33960.	50.37	-.5648	53300.	2.624
SDev	54.52	61.87	.0302	.9982	489.1	1.778
%RSD	2.512	.1822	.0599	176.7	.9176	67.75

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.523	1.345	4.457	.6157	6.287	.0949
SDev	.531	1.124	4.643	1.025	1.689	.0704
%RSD	34.86	83.58	104.2	166.6	26.87	74.12

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	63.76	-6.136	5.347	-4.288	8.823	-3.016
SDev	.0759	7.165	4.373	5.936	9.925	3.524
%RSD	.119	116.8	81.79	138.5	112.5	116.8

Elms	1960/2	*Y
Units	PPB	
Avge	3.523	9200.25
SDev	3.445	1.76776
%RSD	97.8	.01921

Method: TOTAL Sample Name: CCV Operator:
 Run Time: 06/06/13 00:36 Filename: I60605A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1031.	26010.	517.6	5184.	2101.	2070.
SDev	1.365	16.64	.8645	15.23	4.316	.6087
%RSD	.1324	.064	.167	.2938	.2055	.0294

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	51800.	517.9	2066.	2043.	2071.	26190.
SDev	66.55	.1796	1.035	1.18	2.493	11.76
%RSD	.1285	.0347	.0501	.0578	.1204	.0449

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	53500.	51350.	2061.	2036.	50940.	2077.
SDev	12.94	70.81	.1908	29.8	124.1	.5288
%RSD	.0242	.1379	.0093	1.464	.2436	.0255

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	520.5	520.0	514.9	5136.	1043.	2040.
SDev	.5029	5.768	1.71	8.156	6.894	.8814
%RSD	.0966	1.109	.3321	.1588	.6609	.0432

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2081.	513.4	524.1	514.2	515.3	515.0
SDev	.0602	1.425	.0423	1.379	3.252	6.397
%RSD	.0029	.2776	.0081	.2681	.6311	1.242

Elms	1960/2	*Y
Units	PPB	
Avge	522.4	9240.25
SDev	5.453	9.54594
%RSD	1.044	.1033

Method: TOTAL Sample Name: CCB Operator:
 Run Time: 06/06/13 00:42 Filename: I60605A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.3173	3.141	1.017	25.86	.1500	.0754
SDev	.2051	.0381	.4008	4.814	.0351	.0193
%RSD	64.63	1.212	39.4	18.61	23.39	25.61

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-4.125	.0927	.3279	.5531	.2181	-.8129
SDev	1.016	.1005	.2718	.2755	.3066	4.392
%RSD	24.63	108.4	82.88	49.82	140.5	540.3

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	41.19	104.6	.0854	8.106	-688.9	-.0235
SDev	7.637	1.223	.0406	4.419	126	.498
%RSD	18.54	1.169	47.62	54.51	18.3	2121

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.4603	.7543	3.254	2.235	1.081	.1123
SDev	.6788	3.009	1.297	1.053	2.063	.2125
%RSD	147.5	399	39.85	47.09	190.8	189.2

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.4279	-.0656	-.6577	2.418	3.671	-1.166
SDev	.0026	1.427	1.73	.6204	2.254	.172
%RSD	.5961	2176	263.1	25.66	61.38	14.75

Elms	1960/2	*Y
Units	PPB	
Avge	1.713	9285
SDev	4.426	.7071
%RSD	258.3	.00761

Method: TOTAL Sample Name: 240-24875-i-1-b Operator:
 Run Time: 06/06/13 00:48 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0630	8.635	.1743	273.1	180.7	.0544
SDev	.3701	.4016	.1103	1.846	.1614	.0115
%RSD	587.5	4.651	63.25	.6758	.0893	21.12

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	11290.	.0833	-.0066	.1792	1.201	15.30
SDev	25.6	.0301	.0927	.0855	.0301	5.933
%RSD	.2268	36.16	1400	47.71	2.503	38.79

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3499.	3303.	26.28	1.631	165400.	.1653
SDev	.8954	7.441	.0483	.5332	145.6	.3844
%RSD	.0256	.2253	.1838	32.7	.088	232.6

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.5104	.0409	1.572	.6118	4.699	.1936
SDev	.0796	1.309	.2576	.3259	2.744	.066
%RSD	15.59	3201	16.39	53.27	58.39	34.06

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	11.83	-1.059	-.2367	-1.608	3.159	-.3010
SDev	.0513	1.09	.4248	.4798	.6258	.1184
%RSD	.4333	102.9	179.5	29.85	19.81	39.34

Elms	1960/2	*Y
Units	PPB	
Avge	.2116	9264
SDev	2.022	16.9706
%RSD	955.4	.18318

Method: TOTAL Sample Name: 240-24877-i-1-b Operator:
 Run Time: 06/06/13 00:55 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1278	11.87	1.190	364.8	144.7	-.0080
SDev	.062	.9405	.3661	.1606	.0159	.0006
%RSD	48.56	7.925	30.75	.044	.011	7.583

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	21080.	-.0308	.2130	-.0302	.2908	.4871
SDev	11.01	.0704	.0904	.8921	.2955	3.73
%RSD	.0522	228.4	42.44	2956	101.6	765.8

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3874.	6124.	16.27	.5112	181300.	-.3244
SDev	49.85	6.666	.0546	.3963	183.2	.3842
%RSD	1.287	.1088	.3353	77.52	.101	118.4

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.2507	-.4169	.0993	.1752	5.802	-.1434
SDev	.1972	1.687	1.905	.2482	1.883	.001
%RSD	78.66	404.6	1918	141.7	32.45	.6659

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5.570	.3420	-.5469	2.308	-1.004	1.964
SDev	.0238	.3586	.4747	.4898	3.101	3.017
%RSD	.4266	104.9	86.79	21.22	309	153.6

Elms	1960/2	*Y
Units	PPB	
Avge	-1.606	9244
SDev	1.022	7.77817
%RSD	63.68	.08414

Method: TOTAL Sample Name: 240-24878-i-1-b Operator:
 Run Time: 06/06/13 01:01 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0185	14.72	2.039	36.12	29.72	.0047
SDev	.4672	.5415	.0719	.8908	.0617	.0066
%RSD	2524	3.679	3.524	2.466	.2076	139.6

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	28840.	.1252	.4248	.3974	1.013	50.31
SDev	1.856	.0986	.1797	.3559	.4021	3.67
%RSD	.0064	78.8	42.31	89.57	39.71	7.294

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1418.	7762.	5.506	.6785	11540.	1.242
SDev	6.591	5.403	.0589	.2618	3.051	.3794
%RSD	.4647	.0696	1.07	38.58	.0265	30.55

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.5765	.6990	.3928	-.1376	2.693	.1871
SDev	.4004	.8397	.0405	1.065	2.535	.3337
%RSD	69.46	120.1	10.3	773.9	94.13	178.4

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5.790	.3554	-1.042	.7659	.2065	.9733
SDev	.2159	.0432	.5788	1.671	.7734	2.234
%RSD	3.73	12.16	55.54	218.1	374.5	229.6

Elms	1960/2	*Y
Units	PPB	
Avge	.5620	9370.75
SDev	2.374	2.47487
%RSD	422.5	.02641

Method: TOTAL Sample Name: 240-24879-k-1-b Operator:
 Run Time: 06/06/13 01:07 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.3653	3.444	.5708	43.74	46.78	.0454
SDev	.0206	1.156	.2913	1.094	.0632	.013
%RSD	5.635	33.58	51.03	2.502	.1351	28.76

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	42740.	.1707	.1158	.4487	42.61	2.728
SDev	52.91	.0851	.091	.0848	.2146	1.877
%RSD	.1238	49.83	78.56	18.9	.5036	68.81

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1496.	11040.	4.851	-.8936	5194.	2.718
SDev	10.67	18.07	.0211	.5288	37.93	.1532
%RSD	.7133	.1638	.4352	59.18	.7303	5.638

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0464	-.4707	2.270	.8248	4.774	-.2901
SDev	.5295	.0484	.5567	.6303	1.129	.0664
%RSD	1141	10.28	24.52	76.42	23.65	22.89

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	53.64	-.0636	.1010	.7615	3.023	-1.339
SDev	.0088	.4603	.564	.2376	.7159	2.364
%RSD	.0164	724.1	558.5	31.21	23.68	176.5

Elms	1960/2	*Y
Units	PPB	
Avge	-.0370	9263
SDev	1.108	1.41421
%RSD	2990	.01526

Method: TOTAL Sample Name: mb 240-87821/1-a Operator:
 Run Time: 06/06/13 01:13 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.7765	H530.6	1.171	5.920	1.177	-.0037
SDev	.7285	3.78	1.423	.9872	.1745	.0265
%RSD	93.81	.7124	121.5	16.68	14.83	713.8

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	228.1	.1430	-.1701	.1287	2.213	26.55
SDev	.4684	.153	.0906	.2291	1.442	15.65
%RSD	.2053	107	53.24	177.9	65.18	58.96

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	48.08	H162.2	1.017	-.7085	-1214.	.0888
SDev	4.275	4.746	.1619	.5198	218.5	.4913
%RSD	8.893	2.926	15.91	73.36	18	553.5

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2328	-.7030	4.796	1.135	5.817	.6538
SDev	.3479	1.181	4.751	1.92	1.967	.8646
%RSD	149.4	168	99.07	169.1	33.81	132.3

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H24.80	-6.296	3.492	-1.590	7.984	-7.213
SDev	.0403	8.404	3.674	5.687	9.963	10.95
%RSD	.1628	133.5	105.2	357.8	124.8	151.8

Elms	1960/2	*Y
Units	PPB	
Avge	2.547	9421
SDev	3.696	14.8492
%RSD	145.1	.15761

Method: TOTAL Sample Name: lcs 240-87821/2-a Operator:
 Run Time: 06/06/13 01:19 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	48.95	1989.	1922.	970.6	1976.	47.73
SDev	.2935	5.641	2.536	3.079	1.778	.0122
%RSD	.5995	.2837	.1319	.3172	.09	.0256

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	48970.	48.62	489.2	194.4	247.7	1002.
SDev	54.81	.0994	.7832	1.557	.412	1.318
%RSD	.1119	.2044	.1601	.8012	.1663	.1315

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	50880.	48750.	497.1	954.2	49570.	492.9
SDev	116.7	60.99	.336	19.12	398.3	1.787
%RSD	.2293	.1251	.0676	2.004	.8036	.3626

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	484.0	1971.	477.7	1913.	1955.	487.7
SDev	1.497	3.326	2.216	5.172	9.865	.1953
%RSD	.3094	.1688	.4638	.2704	.5045	.04

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	526.9	475.7	488.1	485.1	474.0	1954.
SDev	.6434	2.003	3.245	2.487	2.08	6.443
%RSD	.1221	.4211	.6647	.5127	.4389	.3297

Elms	1960/2	*Y
Units	PPB	
Avge	1979.	9245.5
SDev	1.77	18.3848
%RSD	.0894	.19885

Method: TOTAL Sample Name: 240-24871-c-1-a Operator:
 Run Time: 06/06/13 01:25 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1567	10.57	1.223	425.4	83.38	.0778
SDev	.5627	2.011	.9449	.3846	.4028	.009
%RSD	359.1	19.03	77.29	.0904	.4832	11.62

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	92330.	.0873	.2730	.5174	1.548	201.3
SDev	344.5	.0697	.2746	.0881	.0521	2.286
%RSD	.3731	79.8	100.6	17.02	3.367	1.135

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3764.	19830.	45.65	4.454	201400.	9.560
SDev	12.22	74.98	.2049	1.823	375.6	.5931
%RSD	.3246	.3781	.4489	40.93	.1865	6.204

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.6159	.9319	1.702	.4113	7.691	.0076
SDev	.5276	2.504	1.15	.1243	4.964	.347
%RSD	85.67	268.7	67.54	30.21	64.54	4559

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	13.50	-.5146	1.180	1.825	1.641	2.493
SDev	.2103	.0298	.7762	.0126	1.717	.4745
%RSD	1.558	5.79	65.76	.6882	104.7	19.04

Elms	1960/2	*Y
Units	PPB	
Avge	.1527	9152.75
SDev	3.99	28.6378
%RSD	2614	.31288

Method: TOTAL Sample Name: SD 240-24871-c-1-a@5 Operator:
 Run Time: 06/06/13 01:31 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1615	11.40	1.063	88.37	16.65	.0220
SDev	.3493	1.66	.8512	1.719	.1253	.0106
%RSD	216.2	14.56	80.09	1.945	.7524	47.96

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	18250.	.0273	.2155	.2997	.1775	39.72
SDev	101.4	.0445	.2694	.3415	.4952	.5031
%RSD	.5559	162.5	125	113.9	279	1.266

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	668.6	4023.	9.049	1.397	40220.	1.793
SDev	5.302	22.27	.0295	.6065	195.2	.1458
%RSD	.793	.5535	.3259	43.41	.4853	8.13

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0470	-.3635	.2426	2.185	.6547	.0015
SDev	.9835	.8095	.5992	1.996	2.696	.0698
%RSD	2093	222.7	247	91.35	411.8	4634

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	7.693	.5003	-.1796	.7717	-.0215	-1.675
SDev	.0194	.4232	1.263	.7198	.5389	1.194
%RSD	.2517	84.59	703.2	93.28	2503	71.31

Elms	1960/2	*Y
Units	PPB	
Avge	.2912	9268.75
SDev	.6175	50.5581
%RSD	212.1	.54546

Method: TOTAL Sample Name: 240-24871-c-1-b ms Operator:
 Run Time: 06/06/13 01:37 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	53.58	2181.	2104.	1479.	2223.	51.52
SDev	.2007	3.675	5.601	.7251	6.333	.1704
%RSD	.3745	.1685	.2662	.049	.2849	.3308

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	146200.	52.14	527.4	209.2	270.6	1263.
SDev	415.5	.0889	1.046	.2385	.555	2.432
%RSD	.2842	.1704	.1984	.114	.2051	.1925

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	61900.	72180.	580.9	1039.	253100.	539.2
SDev	59.45	175.2	1.689	16.96	320.4	2.382
%RSD	.096	.2427	.2908	1.632	.1266	.4418

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	522.6	2138.	523.4	2076.	2125.	526.0
SDev	2.722	4.076	.381	6.358	.317	1.221
%RSD	.521	.1906	.0728	.3062	.0149	.2321

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	549.7	510.4	528.7	531.4	519.4	2117.
SDev	1.303	.2689	3.947	.7391	.2022	8.079
%RSD	.237	.0527	.7466	.1391	.0389	.3817

Elms	1960/2	*Y
Units	PPB	
Avge	2149.	9119
SDev	2.078	9.19238
%RSD	.0967	.1008

Method: TOTAL Sample Name: 240-24871-c-1-c msd Operator:
 Run Time: 06/06/13 01:43 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	52.32	2019.	1991.	1427.	2077.	48.14
SDev	.861	2.783	.2249	3.123	1.187	.0301
%RSD	1.646	.1378	.0113	.2188	.0572	.0626

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	138400.	49.48	494.1	194.6	253.8	1177.
SDev	209.5	.0055	.75	.5176	.1749	6.219
%RSD	.1514	.011	.1518	.266	.0689	.5285

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	59730.	67930.	545.4	986.7	245300.	503.0
SDev	168	119.3	.5627	18.1	486.1	.1941
%RSD	.2813	.1756	.1032	1.835	.1982	.0386

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	494.8	2044.	494.2	1956.	2053.	493.8
SDev	.1475	9.371	.634	6.141	13.2	.3137
%RSD	.0298	.4585	.1283	.3139	.6432	.0635

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	517.4	489.6	497.4	504.4	489.1	2034.
SDev	.3017	1.986	.7702	.6433	1.272	5.628
%RSD	.0583	.4055	.1548	.1275	.26	.2767

Elms	1960/2	*Y
Units	PPB	
Avge	2048.	9125
SDev	11.24	19.0919
%RSD	.5487	.20922

Method: TOTAL Sample Name: CCV Operator:
 Run Time: 06/06/13 01:49 Filename: I60605A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1036.	26180.	517.6	5195.	2096.	2076.
SDev	3.964	75.99	.1505	1.788	4.885	5.796
%RSD	.3825	.2902	.0291	.0344	.233	.2792

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	52320.	519.8	2082.	2061.	2083.	26390.
SDev	163.3	1.261	7.866	7.922	7.31	94.33
%RSD	.3122	.2427	.3777	.3844	.3509	.3574

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	53850.	51890.	2080.	2068.	51090.	2081.
SDev	217.1	186.3	7.481	16.04	184	5.237
%RSD	.4031	.3591	.3597	.7756	.3603	.2516

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	520.9	522.5	519.8	5184.	1051.	2053.
SDev	.0647	1.092	.5929	17.93	1.305	7.799
%RSD	.0124	.209	.1141	.3458	.1242	.3798

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2096.	519.2	521.7	522.6	518.4	521.2
SDev	7.521	2.73	1.46	3.951	2.861	5.042
%RSD	.3588	.5258	.2798	.756	.552	.9674

Elms	1960/2	*Y
Units	PPB	
Avge	523.2	9152.75
SDev	.8801	35.0018
%RSD	.1682	.38241

Method: TOTAL Sample Name: CCB Operator:
 Run Time: 06/06/13 01:55 Filename: I60605A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1178	9.883	.4951	25.25	.2241	.0504
SDev	.1227	2.077	.1747	4.655	.0001	.0124
%RSD	104.2	21.02	35.29	18.44	.0268	24.66

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-6.650	.0901	.0735	.2977	.0292	-.3122
SDev	.5661	.1022	.0901	.2527	.091	1.231
%RSD	8.513	113.4	122.5	84.89	311.8	394.3

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	37.15	102.9	.0562	8.080	-917.9	.2746
SDev	2.794	1.221	.0001	3.48	135.9	.5349
%RSD	7.521	1.187	.1513	43.07	14.81	194.8

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.2569	.5871	.3307	2.622	4.393	.0165
SDev	1.308	1.004	.9035	1.35	2.022	.3288
%RSD	509	171.1	273.2	51.5	46.03	1999

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.3666	-.2348	-.2683	.2962	.3480	-1.110
SDev	.0763	.7264	2.324	1.457	2.082	.0616
%RSD	20.81	309.4	865.9	491.8	598.2	5.548

Elms	1960/2	*Y
Units	PPB	
Avge	1.435	9311.5
SDev	1.475	5.65685
%RSD	102.8	.06075

Method: TOTAL Sample Name: 240-24871-c-2-a Operator:
 Run Time: 06/06/13 02:01 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.6759	14.02	1.474	116.3	53.01	.0466
SDev	.3708	1.09	.3572	.2119	.013	.0133
%RSD	54.86	7.777	24.24	.1822	.0245	28.43

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	75990.	.1376	.3136	.8857	1.012	59.64
SDev	27.31	.0266	.1824	.4038	.0958	1.214
%RSD	.0359	19.37	58.16	45.59	9.466	2.036

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	8457.	32340.	229.1	3.460	11680.	4.000
SDev	12.8	5.103	.026	.4617	94.71	.7323
%RSD	.1513	.0158	.0113	13.34	.8112	18.31

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.2762	-3.626	1.543	.5640	4.251	-.0420
SDev	.0189	.6925	.1551	.4044	1.032	.1346
%RSD	6.841	19.1	10.05	71.7	24.27	320.6

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	7.224	-1.103	.1363	.3541	2.137	-5.400
SDev	.0005	.3024	.1793	2.286	.9089	1.058
%RSD	.0072	27.41	131.6	645.7	42.53	19.6

Elms	1960/2	*Y
Units	PPB	
Avge	-2.740	9247.25
SDev	.5099	3.88908
%RSD	18.61	.04205

Method: TOTAL Sample Name: 240-24871-c-3-a Operator:
 Run Time: 06/06/13 02:07 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0892	18.71	1.026	507.3	42.28	.0916
SDev	.0626	1.083	.307	1.62	.0775	.0125
%RSD	70.19	5.788	29.93	.3194	.1832	13.68

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	238200.	.1086	3.211	1.548	1.253	473.6
SDev	22.21	.0989	.0017	.3849	.6126	1.894
%RSD	.0093	91.1	.052	24.86	48.88	.3999

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2441.	57770.	1278.	2.369	120700.	368.2
SDev	6.565	33.87	.6823	.738	60.38	.1329
%RSD	.269	.0586	.0534	31.15	.05	.0361

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.4157	-.1649	1.851	.6988	4.537	.1912
SDev	.1035	.9909	3.149	1.118	3.238	.2073
%RSD	24.9	600.7	170.2	160	71.38	108.4

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	8.916	-.8902	-.1792	-1.639	3.593	1.484
SDev	.0363	1.326	.8173	.4925	4.476	.7345
%RSD	.4066	149	456.1	30.04	124.6	49.51

Elms	1960/2	*Y
Units	PPB	
Avge	-.9880	9153.5
SDev	1.119	6.36396
%RSD	113.2	.06952

Method: TOTAL Sample Name: 240-24871-c-4-a Operator:
 Run Time: 06/06/13 02:13 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1664	47.19	1.737	828.6	16.80	.0450
SDev	.2671	8.012	.4694	2.361	.1828	.0262
%RSD	160.5	16.98	27.02	.2849	1.088	58.2

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	41440.	.2377	.3354	.5384	1.415	692.1
SDev	49.37	.0153	.0909	.2121	.9316	2.46
%RSD	.1192	6.459	27.1	39.4	65.84	.3555

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4446.	12820.	34.74	.0876	243400.	38.84
SDev	29.35	5.852	.0553	.4621	361.8	.2525
%RSD	.6601	.0457	.1592	527.7	.1486	.6502

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.5070	-.6375	2.160	-.0202	7.442	.2736
SDev	.1353	.1859	1.125	.3289	2.962	.0685
%RSD	26.68	29.17	52.1	1631	39.8	25.05

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	8.324	-1.899	1.708	2.297	2.091	.5417
SDev	.6458	.3001	.3526	.4846	1.445	2.128
%RSD	7.759	15.81	20.65	21.09	69.11	392.9

Elms	1960/2	*Y
Units	PPB	
Avge	-1.226	9266.75
SDev	1.341	3.88908
%RSD	109.4	.04196

Method: TOTAL Sample Name: 240-24871-c-5-a Operator:
 Run Time: 06/06/13 02:20 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0669	23.41	6.140	130.2	37.19	.0469
SDev	.6252	.0409	.9611	.1357	.0842	.0134
%RSD	934.1	.1748	15.65	.1042	.2265	28.46

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	287300.	.1007	1.515	.8983	.9929	4298.
SDev	160.2	.0755	.0919	.2367	.4225	9.084
%RSD	.0558	75	6.067	26.36	42.56	.2114

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2059.	79570.	850.4	2.755	64090.	73.24
SDev	5.761	55.26	.6885	.0658	28.43	.4148
%RSD	.2798	.0695	.081	2.388	.0444	.5663

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2927	-.2743	1.343	.0155	6.307	.2209
SDev	.6829	.8964	2.419	.2085	2.134	.2057
%RSD	233.4	326.8	180.1	1343	33.83	93.09

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	9.851	-.9328	.9043	-.3424	2.185	-1.101
SDev	.0006	.1227	.9626	3.544	1.858	4.106
%RSD	.0056	13.15	106.4	1035	85.06	372.9

Elms	1960/2	*Y
Units	PPB	
Avge	.1387	9134.75
SDev	.7063	3.18198
%RSD	509.4	.03483

Method: TOTAL Sample Name: 240-24871-c-6-a Operator:
 Run Time: 06/06/13 02:26 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1404	18.32	2.271	94.20	21.69	.1124
SDev	.3214	3.018	.3221	6.245	1.34	.0303
%RSD	228.9	16.48	14.18	6.63	6.179	26.92

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	259400.	.1655	.4535	.7202	2.099	39.19
SDev	16340	.0212	.1117	.2452	.7983	.724
%RSD	6.298	12.82	24.63	34.04	38.04	1.848

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1301.	68640.	14.37	2.976	54540.	22.75
SDev	84.7	4610	1.006	.1267	3318	.7983
%RSD	6.51	6.715	7.004	4.256	6.083	3.51

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0484	1.358	1.539	-.2735	3.114	-.3915
SDev	.4615	.9669	1.229	.8413	2.521	.0838
%RSD	954.1	71.2	79.87	307.6	80.96	21.4

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	8.854	-.9935	.4233	.8413	1.888	1.600
SDev	.6078	.1325	.6258	1.787	.951	.2119
%RSD	6.865	13.34	147.8	212.4	50.38	13.24

Elms	1960/2	*Y
Units	PPB	
Avge	1.237	8836.25
SDev	1.344	458.559
%RSD	108.6	5.18951

Method: TOTAL Sample Name: 240-24871-c-7-a Operator:
 Run Time: 06/06/13 02:32 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.2060	60.17	1.449	45.45	18.85	.1009
SDev	.2946	.7088	.4991	.5752	.0907	.0173
%RSD	143	1.178	34.44	1.266	.4811	17.13

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	359200.	.1872	1.187	.5094	1.364	183.0
SDev	2310	.0218	.37	.155	.024	5.201
%RSD	.6431	11.63	31.18	30.43	1.76	2.842

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1100.	126600.	197.9	1.590	54380.	10.55
SDev	.4046	823.6	1.146	.3942	334.8	.3636
%RSD	.0368	.6507	.5792	24.79	.6157	3.445

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.3083	-.0765	1.692	-.7625	6.500	-.5853
SDev	.3422	.002	3.544	.4541	2.096	.2106
%RSD	111	2.624	209.5	59.55	32.24	35.98

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	9.998	.2978	-.6108	.7770	2.149	1.987
SDev	.1873	2.072	1.547	1.726	4.452	4.978
%RSD	1.873	695.7	253.3	222.2	207.2	250.5

Elms	1960/2	*Y
Units	PPB	
Avge	-1.107	9053
SDev	2.488	43.8406
%RSD	224.9	.48426

Method: TOTAL Sample Name: 240-24871-c-8-a Operator:
 Run Time: 06/06/13 02:38 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.8344	16.33	.9258	227.2	56.48	.0519
SDev	1.211	.5406	.2798	2.652	.2416	.0089
%RSD	145.2	3.31	30.22	1.167	.4277	17.13

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	142400.	.1068	-.0174	-.0606	.4851	167.4
SDev	278.4	.1553	1.016	.7311	.3612	.2385
%RSD	.1956	145.4	5833	1207	74.47	.1425

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4717.	51130.	251.9	.7155	116900.	6.773
SDev	4.092	113	.1272	1.202	18.54	.2923
%RSD	.0867	.221	.0505	168.1	.0159	4.316

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0738	.8606	3.869	-.6337	5.851	-.1455
SDev	1.361	.6325	5.039	1.176	1.917	.2719
%RSD	1843	73.49	130.2	185.6	32.76	186.8

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3.081	-3.633	1.924	-3.029	7.313	-1.921
SDev	.1756	5.219	4.646	4.164	9.634	7.723
%RSD	5.699	143.6	241.5	137.5	131.7	402.1

Elms	1960/2	*Y
Units	PPB	
Avge	2.249	9131
SDev	4.804	27.5772
%RSD	213.6	.30201

Method: TOTAL Sample Name: 240-24871-c-9-a Operator:
 Run Time: 06/06/13 02:44 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0557	26.41	1.751	335.5	28.67	.0113
SDev	.0415	3.024	.354	.7711	.036	.0141
%RSD	74.46	11.45	20.22	.2298	.1257	124.4

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	94250.	.0539	.6740	.3834	.8000	27.57
SDev	66.18	.0666	.1849	.1945	.5419	1.933
%RSD	.0702	123.6	27.43	50.73	67.74	7.011

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3028.	55570.	32.62	7.985	257200.	1.790
SDev	14.13	50.3	.0422	.2124	300.8	.3529
%RSD	.4668	.0905	.1293	2.66	.117	19.71

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0795	2.657	.3172	.0720	-.1174	-.1271
SDev	.425	1.497	.0875	1.922	.6933	.0004
%RSD	534.5	56.36	27.59	2671	590.6	.3468

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	11.79	1.033	-.3969	.8975	.0275	6.452
SDev	.0944	.3541	.814	.1224	.1923	3.383
%RSD	.8007	34.28	205.1	13.64	699.9	52.43

Elms	1960/2	*Y
Units	PPB	
Avge	.7616	9117.5
SDev	.5556	11.3137
%RSD	72.95	.12408

Method: TOTAL Sample Name: 240-25007-h-1-b Operator:
 Run Time: 06/06/13 02:50 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.5772	9.555	-.5338	2489.	886.0	.1472
SDev	.7806	4.227	.3895	2.933	1.494	.009
%RSD	135.2	44.24	72.97	.1178	.1687	6.083

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H574000.	.0528	1.104	2.407	.8948	4852.
SDev	1034	.1283	.392	.4433	.7064	7.605
%RSD	.18	243	35.52	18.42	78.95	.1567

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	47500.	69900.	474.1	4.989	H1247e3	4.453
SDev	83.33	103.8	.2629	1.018	1247	.2596
%RSD	.1754	.1485	.0555	20.41	.1	5.828

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-1.001	-2.027	2.153	.7200	5.837	-.3238
SDev	.1819	.7705	.002	1.954	.4387	.7369
%RSD	18.17	38.01	.0908	271.4	7.517	227.6

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	16.97	-2.086	-.4594	1.083	2.687	-2.660
SDev	.1256	.5939	.0238	.9187	.4616	2.802
%RSD	.7405	28.47	5.185	84.8	17.18	105.3

Elms	1960/2	*Y
Units	PPB	
Avge	-1.711	8527.25
SDev	.2437	19.4454
%RSD	14.24	.22803

Method: TOTAL Sample Name: 240-25007-h-1-b@10 Operator:
 Run Time: 06/06/13 02:56 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0931	8.410	1.248	250.7	88.26	.0428
SDev	.8344	1.429	.3443	.3514	.081	.0043
%RSD	896.4	16.99	27.59	.1402	.0918	10.09

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	76830.	.0758	.2782	.8687	.1927	493.7
SDev	299.3	.0375	.2749	.2826	.2671	9.61
%RSD	.3896	49.47	98.83	32.53	138.6	1.946

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3415.	7130.	47.74	.7184	126200.	.8515
SDev	25.04	33.27	.2234	.541	432.6	.1962
%RSD	.7332	.4665	.4679	75.31	.3428	23.04

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.2095	-.1519	2.909	1.324	2.569	-.0541
SDev	.8253	.4139	1.106	.5346	2.199	.4132
%RSD	394	272.5	38.01	40.37	85.63	763.6

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	8.269	.5760	-.6020	2.586	3.070	-2.716
SDev	.1333	.6162	.9297	.3734	1.471	3.725
%RSD	1.612	107	154.4	14.44	47.92	137.2

Elems	1960/2	*Y
Units	PPB	
Avge	1.128	9129
SDev	1.239	26.87
%RSD	109.8	.29433

Method: TOTAL Sample Name: CCV Operator:
 Run Time: 06/06/13 03:02 Filename: I60605A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1037.	26160.	515.6	5181.	2094.	2074.
SDev	1.674	17.71	1.053	11.67	1.076	.3316
%RSD	.1615	.0677	.2042	.2252	.0514	.016

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	52140.	518.8	2083.	2064.	2083.	26400.
SDev	6.715	.202	.4865	1.001	.8773	12.05
%RSD	.0129	.0389	.0234	.0485	.0421	.0457

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	53920.	51920.	2081.	2059.	51160.	2077.
SDev	49.33	6.9	.7133	27.1	89.72	.0915
%RSD	.0915	.0133	.0343	1.316	.1754	.0044

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	519.2	518.3	520.1	5182.	1047.	2054.
SDev	.0315	.5125	.7192	6.018	.9323	1.045
%RSD	.0061	.0989	.1383	.1161	.089	.0509

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2093.	520.4	518.6	524.1	518.1	512.0
SDev	.5255	3.327	1.614	6.395	4.271	3.154
%RSD	.0251	.6392	.3112	1.22	.8243	.6161

Elems	1960/2	*Y
Units	PPB	
Avge	521.4	9108
SDev	2.343	9.19238
%RSD	.4494	.10092

Method: TOTAL Sample Name: CCB Operator:
 Run Time: 06/06/13 03:08 Filename: I60605A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.4080	7.542	1.907	24.73	.1501	.0759
SDev	.0408	1.96	.8393	4.866	.0353	.0253
%RSD	9.998	25.99	44.01	19.68	23.5	33.34

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-5.089	.1124	.3250	.7984	-.0474	6.180
SDev	.5558	.0204	.0908	.2779	.402	2.527
%RSD	10.92	18.16	27.95	34.81	847.9	40.89

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	43.88	106.2	.1153	8.024	-620.7	.4646
SDev	3.084	2.103	.0816	3.591	34.99	.0386
%RSD	7.03	1.979	70.76	44.75	5.638	8.312

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0961	2.534	1.230	1.385	2.703	.2576
SDev	.5216	2.446	.3611	.3066	.4683	.0084
%RSD	542.5	96.54	29.37	22.15	17.32	3.26

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.5646	1.602	-.9441	2.172	.7591	1.394
SDev	.0255	1.016	.2746	.2587	.4122	4.64
%RSD	4.518	63.45	29.08	11.91	54.3	333

Elms	1960/2	*Y
Units	PPB	
Avge	3.104	9226.25
SDev	1.351	7.42462
%RSD	43.54	.08047

Method: TOTAL Sample Name: 240-25010-1-1-b Operator:
 Run Time: 06/06/13 03:14 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1396	16.13	2.982	30.31	41.03	.1022
SDev	.0411	5.692	1.811	2.729	.3862	.052
%RSD	29.47	35.29	60.73	9.003	.9413	50.84

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	40160.	.2224	.4307	.5405	1.608	60.11
SDev	327.8	.1028	.1816	.0849	1.338	23.13
%RSD	.8163	46.23	42.17	15.71	83.23	38.48

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	335.5	25110.	34.90	1.824	3173.	1.499
SDev	5.48	239.5	.3252	.7951	70.82	.6544
%RSD	1.633	.954	.9319	43.59	2.232	43.66

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0539	-1.912	3.219	2.590	4.867	.4819
SDev	.684	.6135	4.251	1.637	2.513	.7474
%RSD	1269	32.09	132.1	63.21	51.64	155.1

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	9.537	-3.208	1.682	-.3347	4.993	-7.717
SDev	.1339	5.398	3.721	2.773	7.758	3.642
%RSD	1.404	168.3	221.2	828.6	155.4	47.19

Elms	1960/2	*Y
Units	PPB	
Avge	.9859	9240.25
SDev	2.738	.35355
%RSD	277.7	.00382

Method: TOTAL Sample Name: mb 240-87772/1-a Operator:
 Run Time: 06/06/13 03:20 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.2922	5.504	.2866	7.811	.1995	.0197
SDev	.4918	2.588	.3267	.5135	.0348	.0043
%RSD	168.3	47.02	114	6.574	17.46	22.07

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4.781	.0701	.2645	.2816	.2736	1.206
SDev	2.556	.1309	.0014	.4844	.0426	4.687
%RSD	53.46	186.7	.5124	172	15.56	388.6

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	29.73	H104.3	.0851	-.0546	-1142.	.2741
SDev	13.78	2.949	.0401	.2655	311.7	.3829
%RSD	46.34	2.826	47.13	486.2	27.3	139.7

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.3305	-1.445	1.649	1.074	3.035	-.1452
SDev	.143	1.691	.1709	.6792	.3634	.4038
%RSD	43.28	117.1	10.36	63.27	11.97	278

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2.855	-.0937	-.4490	.0886	2.429	.1342
SDev	.1211	.0534	.2411	1.204	.3447	3.867
%RSD	4.241	57.03	53.69	1359	14.19	2882

Elms	1960/2	*Y
Units	PPB	
Avge	-2.233	9297.5
SDev	.6051	25.4558
%RSD	27.1	.27379

Method: TOTAL Sample Name: lcs 240-87772/2-a Operator:
 Run Time: 06/06/13 03:26 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	53.55	2220.	2101.	1069.	2172.	52.52
SDev	.247	1.872	.9158	2.196	.2759	.0314
%RSD	.4612	.0843	.0436	.2053	.0127	.0598

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	53470.	53.18	539.4	214.3	273.3	1088.
SDev	36.15	.0354	.0647	.0971	.692	2.479
%RSD	.0676	.0665	.012	.0453	.2532	.228

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	55670.	53540.	547.9	1060.	54610.	541.6
SDev	8.645	59.75	.3591	20.16	81.47	1.151
%RSD	.0155	.1116	.0655	1.902	.1492	.2126

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	529.8	2159.	524.4	2104.	2150.	536.8
SDev	.4831	7.716	5.577	.5117	13.37	.0662
%RSD	.0912	.3575	1.064	.0243	.6219	.0123

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	550.3	524.8	532.2	534.6	519.3	2151.
SDev	.2796	.6825	.3835	4.509	6.111	1.278
%RSD	.0508	.13	.0721	.8434	1.177	.0594

Elms	1960/2	*Y
Units	PPB	
Avge	2162.	9099.5
SDev	12.21	4.24264
%RSD	.5645	.04662

Method: TOTAL Sample Name: 240-24796-aq-10-a Operator:
 Run Time: 06/06/13 03:32 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1126	32.01	2.087	50.74	20.50	.0420
SDev	.2274	2.722	.3319	1.934	.0096	.001
%RSD	201.9	8.502	15.9	3.811	.0468	2.353

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	64170.	.2391	.6024	.4369	3.843	104.9
SDev	75.75	.0365	.2749	.4691	.3348	3.909
%RSD	.1181	15.26	45.64	107.4	8.711	3.725

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1349.	12320.	323.3	98.34	27100.	.7932
SDev	5.554	11.09	.2053	.4588	15.04	.0392
%RSD	.4118	.09	.0635	.4666	.0555	4.943

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.466	.6353	2.370	.6590	6.299	-.0708
SDev	.2345	.1489	.13	.2019	3.194	.0674
%RSD	15.99	23.43	5.488	30.63	50.71	95.18

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	229.7	1.316	1.541	2.106	2.501	1.595
SDev	.3993	1.847	.5704	3.875	2.13	.0587
%RSD	.1739	140.3	37.02	184	85.14	3.68

Elms	1960/2	*Y
Units	PPB	
Avge	.1560	9193.25
SDev	.1939	11.6673
%RSD	124.2	.12691

Method: TOTAL Sample Name: SD 240-24796-aq10a@5 Operator:
 Run Time: 06/06/13 03:38 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.4292	12.90	-.0314	13.72	4.155	.0228
SDev	.4556	.9351	1.762	.0393	.0385	.0136
%RSD	106.2	7.25	5616	.2864	.9264	59.67

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	12950.	.1923	.4570	.5612	.9359	23.42
SDev	8.113	.056	.0918	.0208	.3228	2.493
%RSD	.0626	29.12	20.08	3.706	34.5	10.64

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	277.7	2552.	65.15	20.61	5492.	.7383
SDev	6.288	.2284	.0091	.1831	24.09	.4254
%RSD	2.264	.0089	.014	.8888	.4386	57.62

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.7346	.8833	.4886	.7191	3.878	-.0507
SDev	.4397	.3982	1.214	.3449	.4956	.0684
%RSD	59.85	45.08	248.4	47.96	12.78	135

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	55.04	3.182	-.4878	2.240	-.3861	2.135
SDev	.0135	1.516	.0976	2.667	.4879	1.685
%RSD	.0245	47.63	20.01	119	126.4	78.93

Elems	1960/2	*Y
Units	PPB	
Avge	.2585	9203
SDev	1.438	7.07106
%RSD	556.4	.07683

Method: TOTAL Sample Name: 240-24796-aq-10-b ms Operator:
 Run Time: 06/06/13 03:45 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	52.80	2162.	2065.	1085.	2138.	51.08
SDev	.2269	3.746	.7684	4.601	3.478	.0114
%RSD	.4298	.1733	.0372	.4238	.1627	.0223

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	115000.	51.68	523.3	207.8	269.9	1155.
SDev	45.36	.1096	.1994	.0079	.4442	1.618
%RSD	.0394	.212	.0381	.0038	.1646	.1401

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	56660.	63920.	843.2	1120.	79410.	525.1
SDev	56.25	10.26	.3482	19.96	163.1	.4099
%RSD	.0993	.016	.0413	1.781	.2054	.0781

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	517.0	2107.	518.5	2054.	2094.	522.0
SDev	.1921	7.931	.3032	4.372	9.387	.2826
%RSD	.0372	.3765	.0585	.2128	.4483	.0541

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	742.9	510.7	520.2	528.1	513.7	2097.
SDev	.5545	.2426	.1669	1.172	.1306	6.888
%RSD	.0746	.0475	.0321	.2219	.0254	.3285

Elms	1960/2	*Y
Units	PPB	
Avge	2112.	9088.5
SDev	8.452	7.77817
%RSD	.4002	.08558

Method: TOTAL Sample Name: 240-24796-aq-10-c md Operator:
 Run Time: 06/06/13 03:51 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	52.83	2143.	2067.	1089.	2138.	51.20
SDev	.029	2.071	6.304	3.962	2.563	.0178
%RSD	.0548	.0966	.3049	.3638	.1199	.0348

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	115100.	52.03	524.0	208.1	269.7	1176.
SDev	1.364	.1171	.1885	.1108	.2547	2.6
%RSD	.0012	.2251	.036	.0533	.0945	.221

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	56570.	64050.	844.1	1126.	79200.	526.3
SDev	72.17	34.55	.1835	17.44	99.46	.8342
%RSD	.1276	.0539	.0217	1.548	.1256	.1585

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	516.6	2109.	518.3	2056.	2093.	522.7
SDev	1.024	1.926	1.063	1.798	5.397	.0315
%RSD	.1982	.0914	.2051	.0875	.2578	.006

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	745.3	508.5	520.6	528.4	513.3	2097.
SDev	.3869	.7012	1.185	2.255	.4683	1.521
%RSD	.0519	.1379	.2275	.4268	.0912	.0725

Elms	1960/2	*Y
Units	PPB	
Avge	2114.	9090.5
SDev	3.647	4.94974
%RSD	.1725	.05444

Method: TOTAL Sample Name: 240-24796-ap-10-a Operator:
 Run Time: 06/06/13 03:57 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.3223	8.682	1.160	50.54	19.92	.0310
SDev	.0212	1.545	.8307	1.389	.0049	.0081
%RSD	6.565	17.8	71.63	2.749	.0247	26.13

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	63590.	.1825	.3414	.1359	3.474	2.101
SDev	246.2	.0092	.091	.2993	.5574	2.805
%RSD	.3871	5.02	26.67	220.3	16.05	133.5

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1311.	12010.	292.3	98.23	26000.	.7944
SDev	1.023	45.16	1.072	1.473	51.48	.3487
%RSD	.0781	.376	.3666	1.499	.198	43.89

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.2460	3.409	2.698	1.238	5.040	.0270
SDev	.5797	.7247	.2883	.5684	1.228	.0653
%RSD	235.6	21.26	10.68	45.91	24.37	241.7

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	142.1	-2.191	.7249	1.252	3.420	-.2963
SDev	.3203	1.969	1.852	1.208	.1707	2.032
%RSD	.2255	89.87	255.5	96.44	4.991	686

Elms	1960/2	*Y
Units	PPB	
Avge	5.259	9159.25
SDev	.0719	18.7383
%RSD	1.367	.20458

Method: TOTAL Sample Name: 240-24796-ap-10-b ms Operator:
 Run Time: 06/06/13 04:03 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	52.60	2110.	2054.	1087.	2116.	50.67
SDev	.4198	4.122	1.111	2.402	1.627	.0902
%RSD	.798	.1954	.0541	.2209	.0769	.178

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	115400.	51.52	518.6	205.2	266.3	1041.
SDev	193.4	.0132	1.025	.2986	.3206	2.012
%RSD	.1675	.0257	.1977	.1455	.1204	.1932

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	56390.	63510.	814.1	1113.	78310.	522.1
SDev	63.42	110.4	1.466	17.88	81.69	2.019
%RSD	.1124	.1738	.18	1.606	.1043	.3866

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	514.3	2103.	512.5	2040.	2093.	517.0
SDev	.8093	.53	3.386	4.501	4.422	.8185
%RSD	.1574	.0252	.6607	.2206	.2113	.1583

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	664.2	507.1	517.8	521.8	507.8	2092.
SDev	.9134	.3411	1.043	4.959	2.601	1.114
%RSD	.1375	.0673	.2014	.9503	.5121	.0532

Elms	1960/2	*Y
Units	PPB	
Avge	2109.	9136.75
SDev	1.351	6.71751
%RSD	.064	.07352

Method: TOTAL Sample Name: 240-24796-ap-10-c md Operator:
 Run Time: 06/06/13 04:09 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	53.58	2187.	2109.	1111.	2180.	52.16
SDev	.3873	4.173	1.485	3.07	1.667	.0139
%RSD	.7228	.1908	.0704	.2763	.0765	.0267

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	118900.	52.53	533.3	211.9	275.3	1070.
SDev	53.54	.0812	.2135	.5619	.5481	.2834
%RSD	.045	.1547	.04	.2651	.1991	.0265

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	57580.	65250.	837.7	1147.	80320.	536.3
SDev	19.18	41.86	.1768	17.54	152.3	.498
%RSD	.0333	.0642	.0211	1.53	.1896	.0929

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	524.6	2143.	524.7	2091.	2128.	531.6
SDev	.1535	6.008	.569	3.365	5.305	.3576
%RSD	.0293	.2803	.1084	.161	.2492	.0673

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	682.7	517.1	528.3	537.5	518.3	2129.
SDev	.2169	.0003	.23	.8204	1.263	1.418
%RSD	.0318	.0001	.0435	.1526	.2436	.0666

Elms	1960/2	*Y
Units	PPB	
Avge	2150.	9145
SDev	8.299	2.12132
%RSD	.3859	.02319

Method: TOTAL Sample Name: CCV Operator:
 Run Time: 06/06/13 04:15 Filename: I60605A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1035.	26100.	517.2	5195.	2095.	2082.
SDev	1.229	42.32	.1455	21.31	3.029	2.459
%RSD	.1188	.1621	.0281	.4101	.1446	.1181

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	52320.	521.9	2085.	2061.	2078.	26410.
SDev	49.84	.8609	2.703	2.284	2.562	18.75
%RSD	.0953	.1649	.1296	.1108	.1233	.071

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	53600.	51990.	2080.	2061.	51090.	2089.
SDev	55.72	55.14	2.21	27.09	20.76	1.119
%RSD	.104	.1061	.1062	1.314	.0406	.0536

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	523.6	520.2	521.3	5179.	1050.	2052.
SDev	2.951	3.944	2.213	5.934	1.716	1.96
%RSD	.5636	.7582	.4246	.1146	.1635	.0955

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2095.	520.8	525.0	523.0	520.5	513.8
SDev	2.709	1.654	3.598	1.566	4.1	3.599
%RSD	.1293	.3177	.6853	.2995	.7878	.7004

Elems	1960/2	*Y
Units	PPB	
Avge	523.3	9156.75
SDev	4.116	13.0815
%RSD	.7865	.14286

Method: TOTAL Sample Name: CCB Operator:
 Run Time: 06/06/13 04:21 Filename: I60605A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1159	6.437	1.459	24.57	.3497	.1532
SDev	.0825	.0592	.1664	4.543	.1059	.1105
%RSD	71.19	.92	11.41	18.49	30.28	72.1

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-2.244	.0929	.2610	.5422	.2305	6.409
SDev	3.514	.0057	.1824	.0003	.2007	1.59
%RSD	156.6	6.186	69.9	.0616	87.09	24.81

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	39.20	108.2	.1874	9.749	-814.7	.7097
SDev	3.512	2.109	.143	3.777	15.1	.4623
%RSD	8.96	1.949	76.32	38.74	1.854	65.14

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.6848	-1.141	-.1352	2.385	4.556	.2131
SDev	.1432	.8702	.0584	.0799	.1914	.212
%RSD	20.92	76.25	43.21	3.352	4.201	99.49

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.6948	1.623	-1.837	1.156	-.7796	-2.079
SDev	.1051	.0063	.2179	.7431	.4586	1.098
%RSD	15.13	.3885	11.86	64.31	58.82	52.81

Elms	1960/2	*Y
Units	PPB	
Avge	-.6731	9234
SDev	1.853	2.12132
%RSD	275.3	.02297

Method: TOTAL Sample Name: 240-24796-o-2-a Operator:
 Run Time: 06/06/13 04:29 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.5544	6.453	1.628	61.65	22.16	.0509
SDev	1.036	5.51	.5228	.8425	.1208	.0278
%RSD	186.8	85.38	32.11	1.367	.5451	54.74

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	72860.	.0467	.1507	-.1007	1.666	46.25
SDev	212.7	.1407	.7331	1.046	.0647	10.22
%RSD	.2919	301.2	486.5	1038	3.88	22.09

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2149.	13730.	175.7	41.66	32440.	-.0291
SDev	46.52	42.98	.4191	.4363	240.4	1.509
%RSD	2.165	.3131	.2386	1.047	.741	5192

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.4394	.3805	1.376	1.384	5.742	.0923
SDev	.0064	.4253	2.012	.9653	2.651	.2049
%RSD	1.447	111.8	146.2	69.75	46.16	222.1

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	20.95	-3.741	1.208	-.4849	2.305	1.925
SDev	.1391	3.734	1.874	3.271	4.649	3.679
%RSD	.6642	99.82	155.1	674.6	201.7	191.1

Elms	1960/2	*Y
Units	PPB	
Avge	-.3908	9197.75
SDev	2.474	20.8596
%RSD	633.2	.22679

Method: TOTAL Sample Name: 240-24796-n-2-a Operator:
 Run Time: 06/06/13 04:35 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.3659	8.874	1.876	58.49	22.64	.0017
SDev	.0222	3.132	.2435	.3014	.1025	.0152
%RSD	6.076	35.29	12.98	.5153	.4526	906.8

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	75220.	.1682	.4124	.6522	1.593	11.40
SDev	217	.0181	.001	.1512	.1536	3.122
%RSD	.2885	10.76	.253	23.18	9.647	27.39

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2184.	14180.	179.7	42.55	33520.	.3555
SDev	3.154	59.63	.5164	.0631	175.5	.0386
%RSD	.1444	.4205	.2873	.1484	.5235	10.85

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.5613	.4944	1.334	-.2799	1.893	-.1934
SDev	.5901	.5424	1.932	.5028	3.253	.0682
%RSD	105.1	109.7	144.9	179.6	171.8	35.25

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	20.10	.6929	-1.188	2.085	.9584	3.055
SDev	.0886	.7996	1.284	1.09	3.441	.8112
%RSD	.4409	115.4	108.1	52.28	359	26.56

Elms	1960/2	*Y
Units	PPB	
Avge	-.7839	9237.5
SDev	1.218	27.5772
%RSD	155.4	.29853

Method: TOTAL Sample Name: 240-24796-n-3-a Operator:
 Run Time: 06/06/13 04:41 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.4501	13.89	1.180	89.73	45.54	.0134
SDev	.0613	1.595	.2192	1.115	.0169	.0122
%RSD	13.62	11.49	18.58	1.242	.0372	90.77

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	79800.	.0905	.7563	.5308	1.809	152.3
SDev	97.14	.0153	.0916	.1913	.2901	3.909
%RSD	.1217	16.88	12.11	36.04	16.04	2.567

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1757.	15610.	20.51	20.84	90810.	4.290
SDev	3.443	27.32	.0237	.3742	216.7	.5068
%RSD	.196	.175	.1157	1.796	.2387	11.81

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0476	.4228	-.5933	1.120	4.371	.0921
SDev	.6725	1.172	.5768	.6015	2.914	.1356
%RSD	1412	277.1	97.22	53.72	66.67	147.3

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	8.754	-.5424	.3419	-1.786	.0022	.5662
SDev	.0721	.1512	1.084	.8452	.4429	1.645
%RSD	.8232	27.88	317	47.32	20050	290.6

Elems	1960/2	*Y
Units	PPB	
Avge	.3512	9205
SDev	.9352	10.6066
%RSD	266.3	.11522

Method: TOTAL Sample Name: 240-24796-n-4-a Operator:
 Run Time: 06/06/13 04:48 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0747	9.988	2.135	106.6	43.21	.0040
SDev	.2261	.1998	.3921	.3181	.0664	.0069
%RSD	302.6	2	18.37	.2983	.1537	171.8

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	50730.	.0730	.6267	.4998	1.252	30.77
SDev	6.187	.029	.0909	.1057	.3208	3.759
%RSD	.0122	39.78	14.51	21.16	25.63	12.22

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4782.	17760.	5.728	43.41	31330.	.8443
SDev	4.583	2.674	.0449	.8932	67.93	.0381
%RSD	.0958	.0151	.7842	2.058	.2169	4.508

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.7365	.7866	2.643	.7153	4.967	.0001
SDev	.4267	.953	1.143	.6356	.703	.4715
%RSD	57.93	121.1	43.24	88.86	14.15	314400

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2.483	-1.803	-.2046	2.425	2.752	-.5856
SDev	.0822	.0283	.6539	1.086	1.171	1.036
%RSD	3.309	1.572	319.6	44.78	42.56	176.9

Elms	1960/2	*Y
Units	PPB	
Avge	1.472	9264.75
SDev	1.946	6.71751
%RSD	132.2	.0725

Method: TOTAL Sample Name: 240-24796-o-5-a Operator:
 Run Time: 06/06/13 04:54 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.7664	10.30	9.819	101.3	24.99	.0154
SDev	.0998	2.414	.4444	1.775	.5827	.0144
%RSD	13.02	23.45	4.526	1.752	2.332	93.16

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	76710.	.2046	.8641	.6620	.4220	664.3
SDev	1769	.0722	.0888	.5648	.3033	8.796
%RSD	2.306	35.27	10.27	85.31	71.86	1.324

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2445.	13540.	292.2	6.138	96210.	2.169
SDev	56.9	326.1	7.014	.1961	2065	.0343
%RSD	2.327	2.408	2.401	3.195	2.146	1.582

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.4535	1.593	1.327	-.0076	5.650	.1904
SDev	.37	1.171	3.012	.1288	1.052	.0616
%RSD	81.6	73.48	227.1	1698	18.62	32.36

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	120.5	2.394	-.5156	2.067	.9568	4.436
SDev	2.886	2.789	.8377	.1457	4.589	.2094
%RSD	2.396	116.5	162.5	7.05	479.6	4.721

Elms	1960/2	*Y
Units	PPB	
Avge	.1743	9295.25
SDev	1.651	178.544
%RSD	947.1	1.92081

Method: TOTAL Sample Name: 240-24796-n-5-a Operator:
 Run Time: 06/06/13 05:00 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.5060	11.53	8.617	97.93	30.37	.0254
SDev	.5395	.0222	.9953	.7887	.0093	.0002
%RSD	106.6	.1924	11.55	.8054	.0307	.9455

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	76920.	.1505	.6759	.8650	.1912	709.2
SDev	51.85	.0125	.1836	.1075	.212	2.29
%RSD	.0674	8.325	27.16	12.42	110.9	.3229

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2404.	13770.	349.3	11.10	86910.	4.963
SDev	1.696	13.76	.1596	.6713	15.73	.0374
%RSD	.0706	.0999	.0457	6.05	.0181	.753

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.3360	-.5662	.3276	.2088	1.563	.4958
SDev	.4886	1.419	2.118	.2955	1.639	.0666
%RSD	145.4	250.6	646.4	141.5	104.8	13.43

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	15.27	.3801	-.6939	.9063	.0387	.7983
SDev	.0322	.1236	.7942	1.335	3.842	.6955
%RSD	.2107	32.51	114.4	147.3	9925	87.12

Elms	1960/2	*Y
Units	PPB	
Avge	-1.247	9170.5
SDev	2.474	2.82842
%RSD	198.4	.03084

Method: TOTAL Sample Name: 240-24796-o-6-a Operator:
 Run Time: 06/06/13 05:06 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1028	13.46	1.579	47.00	15.73	.0069
SDev	.1444	1.156	.7131	.0621	.0317	.0066
%RSD	140.5	8.589	45.15	.132	.2017	96.01

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	82540.	.1433	.3406	.6314	.6101	2.881
SDev	29.43	.0042	.4559	.1699	.3127	2.772
%RSD	.0357	2.917	133.8	26.91	51.25	96.21

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2755.	19530.	.5633	.3730	32450.	.5736
SDev	2.414	3.062	.0206	.8628	44.09	.2699
%RSD	.0876	.0157	3.654	231.3	.1358	47.04

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.4130	1.414	1.964	-.3990	3.643	.5286
SDev	.4431	1.357	.736	1.008	3.94	.1379
%RSD	107.3	95.98	37.47	252.5	108.2	26.08

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5.309	-1.491	.1250	-.2581	3.074	1.977
SDev	.0812	.4366	.4463	.2364	1.221	.1015
%RSD	1.529	29.28	357	91.59	39.74	5.134

Elms	1960/2	*Y
Units	PPB	
Avge	1.132	9228
SDev	2.085	2.12132
%RSD	184.1	.02298

Method: TOTAL Sample Name: 240-24796-n-6-a Operator:
 Run Time: 06/06/13 05:12 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0298	13.90	1.294	45.38	15.01	.0179
SDev	.579	.7757	.2872	1.07	.0953	.006
%RSD	1945	5.58	22.2	2.357	.6347	33.31

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	78820.	.1104	.4033	.6484	1.087	3.960
SDev	28.82	.1391	.366	.0644	.2977	4.365
%RSD	.0366	126	90.76	9.938	27.38	110.2

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2597.	18670.	.9415	-.0478	29400.	.3827
SDev	4.621	11.55	.0607	.7976	173.2	.3091
%RSD	.1779	.0618	6.447	1668	.589	80.77

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0528	-.3858	1.557	-.0111	4.906	.4811
SDev	.1656	2.682	.1501	.139	1.716	.0668
%RSD	313.8	695.2	9.64	1257	34.98	13.89

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	7.132	.0801	-.1194	1.538	1.566	.2974
SDev	.1157	.619	.0608	.8446	.6466	5.079
%RSD	1.622	773.1	50.89	54.93	41.28	1708

Elms	1960/2	*Y
Units	PPB	
Avge	-.7269	9205.75
SDev	1.486	6.71751
%RSD	204.4	.07297

Method: TOTAL Sample Name: 240-24891-1-4-a Operator:
 Run Time: 06/06/13 05:18 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1396	26.54	1.067	268.1	51.96	.0127
SDev	.4365	2.101	.2449	.9795	.0065	.0071
%RSD	312.7	7.917	22.96	.3653	.0124	56.38

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	129100.	.1588	.6981	.4113	.8765	31.53
SDev	11.83	.0392	0	.3221	.5327	6.952
%RSD	.0092	24.7	.0061	78.32	60.78	22.05

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3736.	75430.	52.67	6.339	54430.	1.179
SDev	3.795	18.63	.0222	.0726	58	.6596
%RSD	.1016	.0247	.0421	1.146	.1066	55.95

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-1.102	1.945	1.125	-.1872	6.740	-.3729
SDev	.905	.1427	1.007	.162	.2353	.0686
%RSD	82.09	7.336	89.56	86.55	3.491	18.4

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2.939	.3241	-1.815	2.266	.5551	3.595
SDev	.0326	.7013	1.007	1.096	.9632	.6292
%RSD	1.109	216.4	55.47	48.35	173.5	17.5

Elms	1960/2	*Y
Units	PPB	
Avge	1.121	9157.75
SDev	.1002	7.42462
%RSD	8.934	.08107

Method: TOTAL Sample Name: 240-24891-j-4-a Operator:
 Run Time: 06/06/13 05:24 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1098	11.87	1.109	269.5	53.51	.0231
SDev	.1874	.0479	1.478	.6302	.1554	.0062
%RSD	170.6	.4039	133.3	.2339	.2905	26.96

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	129800.	.0852	.4391	.3967	1.049	-10.40
SDev	26.11	.0329	.1844	.1287	.0968	5.676
%RSD	.0201	38.63	42	32.44	9.23	54.6

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3818.	75630.	51.80	5.119	54400.	1.098
SDev	5.61	13.73	.0633	.6001	67.19	.0003
%RSD	.1469	.0182	.1222	11.72	.1235	.0277

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.3632	.4630	1.667	-.7887	3.292	-.6175
SDev	.297	.0085	.0407	.0819	.8696	.0014
%RSD	81.78	1.839	2.44	10.38	26.42	.2345

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2.259	-.4264	-.3320	1.227	1.886	2.725
SDev	.0831	.3883	.6392	.6083	.3647	.5872
%RSD	3.678	91.07	192.5	49.57	19.33	21.55

Elms	1960/2	*Y
Units	PPB	
Avge	-.6662	9143.75
SDev	.2804	3.88908
%RSD	42.09	.04253

Method: TOTAL Sample Name: CCV Operator:
 Run Time: 06/06/13 05:30 Filename: I60605A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1037.	26200.	518.6	5202.	2117.	2076.
SDev	.1485	14.99	1.238	11.71	.6156	1.908
%RSD	.0143	.0572	.2387	.2251	.0291	.0919

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	52050.	520.0	2077.	2055.	2091.	26310.
SDev	75.87	.5849	2.796	1.031	.8849	24.2
%RSD	.1457	.1125	.1346	.0502	.0423	.092

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	53840.	51580.	2078.	2050.	51350.	2086.
SDev	8.375	67.34	1.584	32.93	59.42	1.679
%RSD	.0156	.1306	.0762	1.606	.1157	.0805

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	523.3	521.1	519.0	5150.	1047.	2052.
SDev	1.385	1.016	.9527	11.05	7.87	1.1
%RSD	.2646	.195	.1836	.2146	.7514	.0536

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2093.	517.4	526.2	520.5	518.2	516.5
SDev	2.123	.6656	1.744	1.475	2.165	3.88
%RSD	.1015	.1286	.3314	.2833	.4177	.7512

Elms	1960/2	*Y
Units	PPB	
Avge	523.4	9134.5
SDev	3.46	9.19238
%RSD	.6611	.10063

Method: TOTAL Sample Name: CCB Operator:
 Run Time: 06/06/13 05:36 Filename: I60605A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1722	9.017	1.558	21.52	.2004	.1178
SDev	.5782	1.09	.2145	4.722	.0362	.0038
%RSD	335.8	12.08	13.77	21.95	18.09	3.214

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-3.440	.0753	.3252	.4242	.1807	5.969
SDev	.2962	.0326	.0858	.2633	.1245	2.09
%RSD	8.61	43.34	26.37	62.06	68.86	35

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	39.69	106.1	.1447	8.293	-835.2	.3315
SDev	6.515	1.494	.0437	5.09	60.9	.5395
%RSD	16.41	1.408	30.21	61.38	7.292	162.7

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.4428	1.074	2.157	2.511	1.878	.0169
SDev	.1997	.2181	1.244	1.857	1.334	.1908
%RSD	45.11	20.31	57.66	73.96	71.03	1129

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.7553	1.750	-.2100	.9706	2.750	.2178
SDev	.1202	1.65	.5244	1.423	1.155	.1232
%RSD	15.92	94.32	249.7	146.6	41.99	56.58

Elms	1960/2	*Y
Units	PPB	
Avge	1.502	9220.25
SDev	.2655	111.369
%RSD	17.68	1.20787

Method: TOTAL Sample Name: 240-24949-j-1-a Operator:
 Run Time: 06/06/13 05:42 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0164	52.94	8.658	478.9	127.2	.1062
SDev	.1888	3.104	1.396	2.674	.2952	.0276
%RSD	1147	5.864	16.13	.5584	.232	25.98

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	476300.	.0385	1.165	.2006	.4723	43890.
SDev	262.1	.0596	.1843	.0643	.233	42.3
%RSD	.055	154.9	15.82	32.05	49.33	.0964

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3078.	43890.	1191.	3.341	85270.	1.074
SDev	8.266	37.36	1.261	.7344	46.06	.351
%RSD	.2686	.0851	.1059	21.98	.054	32.68

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.7573	-.6357	.0500	-.0790	7.130	.3883
SDev	.6764	3.048	.168	.6023	4.259	.2072
%RSD	89.32	479.5	336.4	762.1	59.74	53.35

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2.725	-.5881	-.8420	1.571	-.7092	-.8682
SDev	.0631	.9712	.5293	.3694	.4363	3.124
%RSD	2.314	165.1	62.85	23.52	61.52	359.8

Elms	1960/2	*Y
Units	PPB	
Avge	-.5196	9095
SDev	3.01	13.435
%RSD	579.4	.14771

Method: TOTAL Sample Name: 240-24949-i-1-a Operator:
 Run Time: 06/06/13 05:48 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0840	11.86	8.292	484.6	131.1	.0968
SDev	.0005	.5017	1.087	2.928	.8648	.0057
%RSD	.6239	4.229	13.11	.6042	.6596	5.868

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	479200.	.0707	.9078	.5129	.6493	44360.
SDev	2809	.1218	.188	.1046	.11	340.7
%RSD	.5861	172.3	20.71	20.39	16.93	.7679

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3087.	44220.	1188.	2.330	85960.	1.585
SDev	33.22	315.8	8.887	.498	628.2	.1104
%RSD	1.076	.7141	.7479	21.37	.7309	6.964

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0940	-.4971	2.390	-2.313	4.874	-.0995
SDev	.4479	1.704	.5647	.4991	3.347	.2098
%RSD	476.4	342.8	23.63	21.58	68.66	210.9

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3.639	-.0943	-.0942	2.276	2.447	-.0107
SDev	.0553	.7053	1.024	.6042	1.148	.1438
%RSD	1.521	747.6	1087	26.55	46.93	1338

Elms	1960/2	*Y
Units	PPB	
Avge	-.7400	8994.75
SDev	2.627	61.8718
%RSD	355	.68786

Method: TOTAL Sample Name: 240-24949-j-2-a Operator:
 Run Time: 06/06/13 05:54 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0255	141.5	2.049	404.4	166.9	.0715
SDev	.4606	.2245	.0018	.39	.3381	.0094
%RSD	1804	.1587	.0871	.0964	.2027	13.12

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	152700.	.1890	3.358	2.256	.4267	1381.
SDev	228.5	.0722	.4704	.0776	.2644	3.13
%RSD	.1496	38.23	14.01	3.442	61.96	.2266

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	6750.	66500.	5516.	9.028	92690.	4.850
SDev	9.597	157.2	14.37	.2361	140	.5303
%RSD	.1422	.2363	.2606	2.615	.1511	10.93

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.4241	.4349	2.388	-.4345	5.853	-.0030
SDev	.4484	.3588	2.705	.0778	.8978	.2073
%RSD	105.7	82.52	113.3	17.9	15.34	6850

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	6.067	-.0743	.6726	4.349	1.408	5.123
SDev	.0271	.2307	.5571	.627	3.742	.0188
%RSD	.4467	310.6	82.83	14.42	265.7	.3676

Elems	1960/2	*Y
Units	PPB	
Avge	-1.906	9119.75
SDev	.5286	32.1733
%RSD	27.74	.35278

Method: TOTAL Sample Name: 240-24949-i-2-a Operator:
 Run Time: 06/06/13 06:00 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0379	29.90	1.550	390.9	156.5	.0673
SDev	.272	.3973	.5148	.7464	.1516	.0008
%RSD	718.3	1.329	33.21	.1909	.0969	1.203

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	152200.	.0893	3.283	1.831	.8775	1161.
SDev	223.5	.0704	.0025	.2134	.0156	1.433
%RSD	.1468	78.87	.0758	11.66	1.783	.1235

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	6509.	66330.	5299.	9.650	91320.	4.770
SDev	14.45	129.5	8.822	.0101	23.13	.2689
%RSD	.222	.1953	.1665	.105	.0253	5.637

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.3970	.5578	1.436	.7564	7.613	-.1926
SDev	.1949	1.249	1.594	1.938	.938	.3439
%RSD	49.09	223.9	111	256.1	12.32	178.5

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5.534	-.2794	.7344	.0316	2.138	2.065
SDev	.0197	.3287	.1281	4.529	.1289	1.699
%RSD	.356	117.7	17.44	14330	6.03	82.25

Elms	1960/2	*Y
Units	PPB	
Avge	-.1948	9114.75
SDev	2.721	8.83883
%RSD	1397	.09697

Method: TOTAL Sample Name: 240-24949-j-3-a Operator:
 Run Time: 06/06/13 06:06 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1539	1043.	5.967	606.9	13.54	.0534
SDev	.0198	.0884	.935	1.005	.1697	.0146
%RSD	12.85	.0085	15.67	.1656	1.253	27.35

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	24400.	.0627	.5972	.7172	.5552	577.5
SDev	38.96	.1307	.2719	.531	.6509	.0403
%RSD	.1597	208.5	45.53	74.03	117.2	.007

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	11040.	1538.	28.61	101.0	122200.	2.255
SDev	6.751	2.815	.1817	.9011	242.1	.426
%RSD	.0612	.183	.6349	.892	.1981	18.89

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-1.111	1.149	1.402	-.0311	2.590	1.696
SDev	.3896	.5008	1.789	.3761	3.724	.1367
%RSD	35.07	43.58	127.6	1210	143.8	8.057

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4.187	-1.205	-1.064	1.855	1.176	3.642
SDev	.0346	.258	.7129	1.076	3.219	.4656
%RSD	.8254	21.41	66.99	58.01	273.8	12.79

Elms	1960/2	*Y
Units	PPB	
Avge	-.0954	9273.75
SDev	.5184	20.1525
%RSD	543.2	.2173

Method: TOTAL Sample Name: 240-24949-i-3-a Operator:
 Run Time: 06/06/13 06:12 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0037	454.8	6.700	599.0	12.01	.0483
SDev	.164	1.177	.6971	.4952	.0401	.0197
%RSD	4420	.2589	10.4	.0827	.3336	40.71

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	24250.	.1352	.6597	.6710	.8334	231.2
SDev	15.91	.0238	.1814	.1271	.4176	1.351
%RSD	.0656	17.57	27.5	18.94	50.1	.5843

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	11170.	1181.	13.95	99.27	121400.	2.253
SDev	21.63	2.2	.0144	.9477	66.94	.0391
%RSD	.1937	.1863	.1035	.9547	.0551	1.736

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.4457	-.5935	2.471	-.4614	4.544	1.363
SDev	.9571	1.607	1.681	.79	1.754	.336
%RSD	214.7	270.9	68.05	171.2	38.6	24.65

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2.163	-1.331	-.0040	2.015	2.699	.6400
SDev	.0006	.5636	1.716	1.087	3.064	.9963
%RSD	.0258	42.34	43180	53.95	113.5	155.7

Elms	1960/2	*Y
Units	PPB	
Avge	-1.209	9280.75
SDev	2.907	3.88908
%RSD	240.4	.0419

Method: TOTAL Sample Name: 240-24955-a-1-a Operator:
 Run Time: 06/06/13 06:18 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.2348	47.21	2.168	96.59	12.29	.0396
SDev	.6977	1.078	.8674	1.204	.0484	.0079
%RSD	297.1	2.284	40	1.247	.3941	19.89

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	54550.	.1579	.3401	.4485	1.540	74.01
SDev	116.9	.0815	.6342	.3399	.0728	.5669
%RSD	.2143	51.64	186.5	75.78	4.726	.766

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2505.	12220.	11.60	3.634	26920.	.3830
SDev	7.784	22.72	.0006	.734	69.42	.2301
%RSD	.3107	.186	.0052	20.2	.2579	60.06

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.6222	.7931	2.011	-3.522	5.514	.4830
SDev	1	1.944	.5866	.8007	1.979	.335
%RSD	160.7	245.1	29.17	22.73	35.89	69.36

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	7.367	-3.466	.7970	-1.340	3.684	-2.263
SDev	.5743	2.559	2.777	2.282	2.019	2.854
%RSD	7.795	73.85	348.4	170.3	54.8	126.1

Elms	1960/2	*Y
Units	PPB	
Avge	2.319	9276.75
SDev	1.489	16.617
%RSD	64.24	.17912

Method: TOTAL Sample Name: 240-25012-e-1-a Operator:
 Run Time: 06/06/13 06:24 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.3904	383.3	48.13	5723.	536.4	.0167
SDev	.1478	1.192	.6547	23.3	.38	.0009
%RSD	37.84	.311	1.36	.4072	.0708	5.144

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	93740.	.1304	47.87	2.539	3.176	4982.
SDev	85.71	.0084	.1475	.2794	.1273	9.021
%RSD	.0914	6.487	.3082	11.01	4.008	.1811

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	137400.	195200.	140.4	28.53	303800.	70.39
SDev	108.3	181.4	.1649	.2366	66.51	.2721
%RSD	.0788	.0929	.1175	.8296	.0219	.3866

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0944	8.240	-8.266	.7960	4.342	13.91
SDev	.1742	1.312	1.047	.4532	2.479	.2239
%RSD	184.5	15.93	12.67	56.93	57.09	1.61

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	30.17	-1.690	.9852	.7222	-12.75	7.649
SDev	.0378	.5824	.0296	1.727	2.432	3.026
%RSD	.1254	34.46	3.005	239.2	19.07	39.56

Elms	1960/2	*Y
Units	PPB	
Avge	8.536	9035
SDev	.4569	10.6066
%RSD	5.353	.11739

Method: TOTAL Sample Name: mb 240-88594/1-a Operator:
 Run Time: 06/06/13 06:30 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1900	6.579	.0710	24.72	.7201	.0156
SDev	.1024	2.263	.6338	4.533	.0683	.0022
%RSD	53.89	34.39	892.8	18.34	9.49	14.24

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	132.7	.1357	.3929	.2387	1.082	18.99
SDev	3.513	.0475	.1798	.6774	.1519	2.487
%RSD	2.647	35.02	45.77	283.8	14.04	13.09

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	53.39	H141.0	.3867	.2252	-788.6	.6815
SDev	21.49	6.758	.0217	.0031	238.1	.5752
%RSD	40.25	4.793	5.617	1.369	30.2	84.4

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.7129	.8556	1.769	1.903	5.854	.1898
SDev	.2421	.9685	.8424	.0683	5.775	.2033
%RSD	33.95	113.2	47.61	3.591	98.66	107.1

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	17.60	-1.919	-.1112	-.2494	2.777	.3197
SDev	.0819	1.425	1.074	1.193	1.859	2.774
%RSD	.4656	74.25	965.6	478.6	66.93	867.8

Elms	1960/2	*Y
Units	PPB	
Avge	1.123	9290.75
SDev	2.837	27.9307
%RSD	252.6	.30062

Method: TOTAL Sample Name: lcs 240-88594/2-a Operator:
 Run Time: 06/06/13 06:36 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	46.45	1871.	1805.	920.2	1858.	45.02
SDev	.2001	1.627	1.92	2.147	.8759	.0643
%RSD	.4308	.087	.1064	.2333	.0471	.1429

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	45980.	46.02	462.2	183.9	232.6	954.6
SDev	24.04	.0705	.1229	.0897	.1204	5.189
%RSD	.0523	.1531	.0266	.0488	.0518	.5435

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	47880.	45980.	468.8	898.4	46610.	470.3
SDev	34.42	22.15	.0473	18.22	7.405	.0727
%RSD	.0719	.0482	.0101	2.028	.0159	.0154

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	458.2	1869.	448.4	1804.	1842.	458.6
SDev	1.4	.3377	.3588	5.53	1.515	.2528
%RSD	.3055	.0181	.08	.3065	.0822	.0551

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	486.6	450.9	461.9	456.1	444.6	1855.
SDev	.2088	1.969	1.116	2.31	.6154	2.213
%RSD	.0429	.4368	.2416	.5065	.1384	.1193

Elms	1960/2	*Y
Units	PPB	
Avge	1876.	9180.25
SDev	1.611	6.71751
%RSD	.0859	.07317

Method: TOTAL Sample Name: CCV Operator:
 Run Time: 06/06/13 06:41 Filename: I60605A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1022.	25840.	508.0	5132.	2082.	2049.
SDev	.8264	15.41	2.057	10.27	1.209	.51
%RSD	.0809	.0596	.4049	.2002	.0581	.0249

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	51290.	510.6	2051.	2030.	2066.	25980.
SDev	23.1	.4313	1.32	.1103	.043	16.23
%RSD	.045	.0845	.0643	.0054	.0021	.0625

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	52840.	50840.	2048.	2034.	50390.	2055.
SDev	78.83	32.95	.0741	24.88	62.89	2.326
%RSD	.1492	.0648	.0036	1.223	.1248	.1132

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	512.5	515.9	511.6	5074.	1029.	2024.
SDev	.5353	.9717	.6196	1.841	10.13	.202
%RSD	.1045	.1884	.1211	.0363	.9849	.01

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2067.	507.2	515.1	513.5	510.6	514.5
SDev	.202	.0759	.8404	.4392	.7097	.4164
%RSD	.0098	.015	.1632	.0855	.139	.0809

Elms	1960/2	*Y
Units	PPB	
Avge	516.6	9108.5
SDev	1.665	12.0208
%RSD	.3222	.13197

Method: TOTAL Sample Name: CCB Operator:
 Run Time: 06/06/13 06:47 Filename: I60605A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0882	4.857	1.585	27.66	.1751	.1305
SDev	.165	2.232	.3759	3.825	0	.0519
%RSD	187.1	45.95	23.72	13.83	.0011	39.74

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-3.539	.0753	.1318	.7075	.4529	9.298
SDev	.8192	.1278	.1825	.4899	.3111	4.381
%RSD	23.15	169.6	138.4	69.24	68.68	47.11

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	46.40	106.1	.1296	8.251	-674.9	.4373
SDev	13.08	.5265	.1021	4.842	182.5	.5394
%RSD	28.19	.4962	78.78	58.68	27.04	123.3

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.4244	-.8980	2.398	1.981	2.140	.1138
SDev	.221	1.878	.499	1.036	.2304	.0571
%RSD	52.08	209.1	20.81	52.33	10.76	50.19

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.3167	.9729	.1502	1.404	2.895	-3.979
SDev	.0031	.6871	.6744	1.349	1.422	1.927
%RSD	.9742	70.63	448.9	96.12	49.11	48.43

Elms	1960/2	*Y
Units	PPB	
Avge	.6399	9232.25
SDev	1.853	.35355
%RSD	289.6	.00382

Method: TOTAL Sample Name: 240-25228-h-2-a Operator:
 Run Time: 06/06/13 06:53 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0912	583.1	2.423	74.20	47.18	.0667
SDev	.0621	3.164	.342	.8833	.0893	.0499
%RSD	68.13	.5426	14.11	1.19	.1892	74.81

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	27440.	.1245	2.049	2.257	8.134	1278.
SDev	89.15	.0235	.0945	.2491	.0609	2.039
%RSD	.3248	18.86	4.611	11.04	.7484	.1595

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4050.	5719.	119.1	2.159	35290.	4.118
SDev	5.132	16.75	.3515	1.004	62.89	.4916
%RSD	.1267	.2928	.2952	46.49	.1782	11.94

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2.093	2.100	1.888	.7617	1.087	2.913
SDev	1.018	.7868	.7383	.1675	1.741	.418
%RSD	48.63	37.47	39.1	21.98	160.2	14.35

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	21.68	1.605	2.336	1.104	2.280	3.633
SDev	.0077	1.41	.8215	1.443	.3866	3.634
%RSD	.0354	87.87	35.18	130.7	16.96	100

Elms	1960/2	*Y
Units	PPB	
Avge	1.335	9223
SDev	.6344	24.0416
%RSD	47.53	.26067

Method: TOTAL Sample Name: SD 240-25228-H-2-A@5 Operator:
 Run Time: 06/06/13 06:59 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0689	158.9	1.552	21.70	9.711	.0253
SDev	.1036	4.673	.5008	1.059	.0158	.0077
%RSD	150.3	2.942	32.26	4.882	.1626	30.59

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5538.	.0982	.7861	1.083	1.777	261.5
SDev	11.36	.0526	.1824	.0404	.0753	4.773
%RSD	.2051	53.58	23.2	3.733	4.235	1.825

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	766.6	1212.	23.70	.7489	7246.	.8192
SDev	5.119	4.82	.0801	.7324	57.75	.3862
%RSD	.6677	.3976	.3378	97.8	.797	47.14

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.5107	.3423	.4578	.9990	5.600	.6208
SDev	1.171	.1792	.9297	.7019	1.585	.0028
%RSD	229.3	52.34	203.1	70.27	28.3	.4543

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	13.31	.7535	.3892	1.021	.1765	-1.203
SDev	.2479	1.074	1.22	1.567	.6117	1.909
%RSD	1.862	142.5	313.3	153.4	346.5	158.7

Elems	1960/2	*Y
Units	PPB	
Avge	1.114	9227.75
SDev	.6846	15.2028
%RSD	61.47	.16475

Method: TOTAL Sample Name: 240-25228-h-2-b ms Operator:
 Run Time: 06/06/13 07:05 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	52.35	2838.	2041.	1091.	2140.	50.48
SDev	.3332	4.869	1.088	2.879	.9108	.0005
%RSD	.6365	.1716	.0533	.264	.0426	.001

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	79240.	51.31	520.9	207.3	271.1	2307.
SDev	17.84	.1614	.4087	.2066	.8386	9.285
%RSD	.0225	.3146	.0785	.0997	.3094	.4025

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	58920.	57190.	644.0	1015.	87370.	526.4
SDev	78.06	2.933	.0457	22.31	88.53	1.213
%RSD	.1325	.0051	.0071	2.198	.1013	.2304

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	515.5	2092.	498.9	2037.	2077.	518.9
SDev	.2227	5.911	5.492	.3885	11.05	.3055
%RSD	.0432	.2826	1.101	.0191	.5322	.0589

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	548.0	509.0	518.7	512.2	492.3	2082.
SDev	.1842	1.601	.4654	3.371	6.551	8.309
%RSD	.0336	.3144	.0897	.6581	1.331	.399

Elms	1960/2	*Y
Units	PPB	
Avge	2096.	9182
SDev	4.714	10.6066
%RSD	.2248	.11551

Method: TOTAL Sample Name: 240-25228-h-2-c msd Operator:
 Run Time: 06/06/13 07:11 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	51.56	2851.	2016.	1085.	2121.	49.91
SDev	1.205	29.38	17.32	13.75	23.58	.5612
%RSD	2.337	1.031	.859	1.268	1.112	1.124

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	78600.	50.84	514.9	205.1	268.9	2297.
SDev	807.9	.716	5.481	2.625	2.824	22.43
%RSD	1.028	1.408	1.064	1.28	1.051	.9763

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	58290.	56480.	638.2	1011.	87400.	519.8
SDev	519.3	591.2	6.89	29.42	682.5	5.66
%RSD	.8908	1.047	1.08	2.91	.781	1.089

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	506.5	2067.	503.4	2004.	2051.	512.2
SDev	6.919	38.33	8.538	25.38	30.84	5.772
%RSD	1.366	1.854	1.696	1.266	1.504	1.127

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	545.1	502.4	508.5	517.6	496.3	2062.
SDev	6.363	7.433	6.662	6.922	9.344	22.38
%RSD	1.167	1.479	1.31	1.337	1.883	1.085

Elms	1960/2	*Y
Units	PPB	
Avge	2070.	9214
SDev	46.29	78.4888
%RSD	2.236	.85184

Method: TOTAL Sample Name: 240-25228-d-1-a Operator:
 Run Time: 06/06/13 07:17 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-1.238	1264.	2.937	57.54	72.54	.0338
SDev	2.35	6.111	2.146	1.282	.1399	.0057
%RSD	189.8	.4834	73.07	2.228	.1929	17.01

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	50500.	.1772	1.752	3.324	8.184	3172.
SDev	.7817	.139	1.642	1.386	.2863	.0718
%RSD	.0015	78.44	93.73	41.69	3.498	.0023

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5820.	7353.	287.6	6.985	118100.	3.054
SDev	57.8	4.982	.1528	.9211	410	1.313
%RSD	.9931	.0677	.0531	13.19	.347	42.99

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3.921	1.878	8.854	1.212	7.165	4.471
SDev	1.086	1.918	4.19	.5831	5.615	.0655
%RSD	27.7	102.1	47.33	48.11	78.38	1.465

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	153.7	-3.528	7.640	2.063	12.25	-1.927
SDev	.3022	6.947	5.097	3.491	8.025	6.112
%RSD	.1966	196.9	66.72	169.2	65.54	317.1

Elms	1960/2	*Y
Units	PPB	
Avge	3.778	9231.25
SDev	5.927	8.83883
%RSD	156.9	.09574

Method: TOTAL Sample Name: 240-25228-d-3-a Operator:
 Run Time: 06/06/13 07:23 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0230	587.9	2.788	66.11	47.91	.0255
SDev	.0215	4.168	.687	.5686	.2827	.0039
%RSD	93.77	.709	24.64	.8602	.5901	15.37

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	28070.	.0349	2.170	2.093	7.775	1313.
SDev	179.3	.0349	.0833	.073	.2224	6.12
%RSD	.6386	99.99	3.84	3.488	2.861	.4662

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4087.	5707.	127.4	2.933	36560.	3.932
SDev	20.68	38.12	.7216	.1513	161.7	.4799
%RSD	.5062	.6678	.5664	5.159	.4422	12.2

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.869	-.1974	2.275	1.178	3.762	2.561
SDev	.5672	1.824	1.603	.2693	.8569	.0819
%RSD	30.34	924	70.45	22.85	22.78	3.197

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	24.04	2.993	1.308	3.990	1.419	.6516
SDev	.7182	.7818	.4601	2.625	1.093	4.23
%RSD	2.988	26.12	35.17	65.78	77.01	649.2

Elms	1960/2	*Y
Units	PPB	
Avge	-.6212	9279
SDev	.6226	48.0832
%RSD	100.2	.51819

Method: TOTAL Sample Name: 240-25228-d-4-a Operator:
 Run Time: 06/06/13 07:29 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.3789	124.4	2.066	37.06	46.48	.0232
SDev	.5948	1.828	.1223	.4068	.089	.0039
%RSD	157	1.47	5.919	1.098	.1915	16.65

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	27350.	.1097	.7575	1.440	3.184	404.9
SDev	118.3	.0688	.4549	.1327	.45	6.072
%RSD	.4324	62.72	60.05	9.214	14.14	1.5

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3317.	7224.	79.01	1.865	26330.	1.442
SDev	4.573	30.08	.3535	.9834	105.7	.3423
%RSD	.1379	.4164	.4474	52.72	.4015	23.73

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.9322	.2342	2.917	-.0049	4.010	.8100
SDev	.679	1.201	3.422	1.611	1.361	.1345
%RSD	72.83	512.9	117.3	32730	33.94	16.6

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	9.265	.5125	1.141	2.898	2.927	-.6577
SDev	.0442	3.523	2.777	.6001	5.43	2.92
%RSD	.4774	687.5	243.3	20.71	185.5	443.9

Elems	1960/2	*Y
Units	PPB	
Avge	.6795	9253
SDev	3.259	31.8198
%RSD	479.6	.34388

Method: TOTAL Sample Name: 240-25228-d-5-a Operator:
 Run Time: 06/06/13 07:35 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1362	207.3	2.187	42.94	48.28	.0339
SDev	.2869	.1816	.6323	.4168	.0183	.0132
%RSD	210.6	.0876	28.91	.9707	.038	38.83

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	27850.	.1377	1.977	1.015	3.910	544.4
SDev	27.22	.0848	.1816	.4222	.0069	1.738
%RSD	.0978	61.58	9.182	41.6	.1756	.3193

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3525.	7249.	124.4	1.764	27130.	2.603
SDev	.5341	12.48	.1286	.9897	49.22	.5369
%RSD	.0152	.1721	.1033	56.12	.1814	20.63

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2.692	.7237	2.238	1.216	5.512	.9469
SDev	.7676	.3639	.2874	1.411	2.711	.0701
%RSD	28.51	50.28	12.84	116	49.19	7.4

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	258.7	2.279	2.898	1.279	2.717	2.163
SDev	.0911	1.329	.4873	.969	.0528	2.02
%RSD	.0352	58.31	16.81	75.77	1.945	93.39

Elms	1960/2	*Y
Units	PPB	
Avge	.0050	9289
SDev	.463	3.53553
%RSD	9183	.03806

Method: TOTAL Sample Name: 240-25228-d-6-a Operator:
 Run Time: 06/06/13 07:41 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.3064	858.6	1.766	63.42	49.17	.0082
SDev	.2262	11.95	.2328	.3594	.0175	.0013
%RSD	73.83	1.391	13.18	.5668	.0356	16.32

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	24430.	.1312	1.595	4.538	8.315	1513.
SDev	43.32	.0701	.1801	.1398	.0422	2.592
%RSD	.1773	53.41	11.29	3.081	.5076	.1713

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3681.	5728.	193.1	1.490	24400.	4.942
SDev	8.58	12.53	.3668	.4667	70.99	.7595
%RSD	.2331	.2188	.19	31.32	.291	15.37

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	7.582	1.136	3.495	.5453	7.258	3.227
SDev	.0808	2.235	.6949	1.073	3.524	.0605
%RSD	1.065	196.8	19.88	196.7	48.55	1.873

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	55.84	5.568	8.587	2.015	4.234	2.733
SDev	.2666	.2331	.2375	3.725	.8181	2.002
%RSD	.4775	4.187	2.766	184.9	19.32	73.23

Elms	1960/2	*Y
Units	PPB	
Avge	.3380	9266.25
SDev	4.35	16.617
%RSD	1287	.17932

Method: TOTAL Sample Name: 240-25228-d-7-a Operator:
 Run Time: 06/06/13 07:47 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.2675	807.6	1.671	40.47	38.76	.0053
SDev	.1422	3.188	.5619	.95	.0934	.0046
%RSD	53.15	.3948	33.63	2.348	.241	87.21

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	20370.	.1656	1.005	3.186	7.217	1135.
SDev	26.18	.1343	.0895	.155	.2577	7.655
%RSD	.1285	81.11	8.901	4.864	3.571	.6745

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3343.	4593.	134.6	.8659	19190.	3.527
SDev	14.35	7.572	.2248	.5274	123.6	.4256
%RSD	.4294	.1649	.167	60.91	.6442	12.07

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4.935	-.0031	3.310	-.2537	3.643	3.436
SDev	.4084	1.513	.5583	.3217	2.535	.0097
%RSD	8.276	49330	16.86	126.8	69.59	.2836

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	35.06	2.172	6.314	1.671	4.128	-3.305
SDev	.1894	1.542	.1575	1.068	1.37	1.834
%RSD	.5403	70.99	2.495	63.91	33.19	55.5

Elms	1960/2	*Y
Units	PPB	
Avge	1.645	9359.5
SDev	3.183	22.6274
%RSD	193.5	.24175

Method: TOTAL Sample Name: CCV Operator:
 Run Time: 06/06/13 07:53 Filename: I60605A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1021.	25840.	508.8	5117.	2085.	2044.
SDev	.0631	13.86	2.161	16.49	.382	2.5
%RSD	.0062	.0536	.4248	.3223	.0183	.1223

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	51110.	508.2	2043.	2022.	2068.	25890.
SDev	82.68	.9172	1.982	1.869	.0325	21.66
%RSD	.1617	.1805	.097	.0924	.0016	.0837

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	52920.	50590.	2044.	2017.	50480.	2051.
SDev	21.39	90.58	1.577	26.92	85.82	2.506
%RSD	.0404	.179	.0771	1.335	.17	.1222

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	511.3	509.6	512.4	5051.	1025.	2019.
SDev	.2078	.5819	2.709	13.58	.8431	1.406
%RSD	.0406	.1142	.5286	.2688	.0822	.0697

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2062.	504.2	514.8	512.0	512.7	506.4
SDev	1.834	.3606	.1316	2.245	5.182	6.954
%RSD	.089	.0715	.0256	.4385	1.011	1.373

Elms	1960/2	*Y
Units	PPB	
Avge	511.2	9156.25
SDev	2.599	13.7886
%RSD	.5085	.15059

Method: TOTAL Sample Name: CCB Operator:
 Run Time: 06/06/13 07:59 Filename: I60605A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1159	8.568	.5337	20.95	.2493	.0919
SDev	.5732	5.194	1.146	3.969	.1059	.0248
%RSD	494.7	60.63	214.7	18.94	42.46	27.02

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-4.294	.0683	.5202	.6113	-.0321	4.458
SDev	.7208	.1035	.1824	.0679	.3092	3.137
%RSD	16.78	151.6	35.07	11.11	961.8	70.36

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	51.16	104.6	.1281	7.332	-668.7	.2734
SDev	1.137	2.304	.0623	3.038	39.15	.383
%RSD	2.223	2.203	48.57	41.43	5.855	140.1

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.3049	-.3088	1.815	1.597	6.072	.1106
SDev	.989	.8104	.6209	.2132	.4068	.1969
%RSD	324.3	262.4	34.21	13.35	6.7	178

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2922	1.050	-.9820	.9693	2.237	.0307
SDev	.1416	.3881	1.289	.2277	.8171	3.138
%RSD	48.47	36.95	131.3	23.5	36.53	10210

Elms	1960/2	*Y
Units	PPB	
Avge	-.4784	9305.75
SDev	.3519	62.5789
%RSD	73.56	.67247

Method: TOTAL Sample Name: 240-25228-d-8-a Operator:
 Run Time: 06/06/13 08:05 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0498	766.3	1.547	69.52	38.63	.0381
SDev	.5527	3.744	1.37	1.141	.0187	.0081
%RSD	1110	.4886	88.53	1.642	.0485	21.36

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	20270.	.1831	1.455	3.047	7.165	1084.
SDev	12.82	.0053	.0015	.0916	.3581	3.192
%RSD	.0632	2.868	.102	3.005	4.998	.2946

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3344.	4557.	135.3	2.135	19290.	3.739
SDev	1.387	2.198	.0198	.3229	20.73	.2987
%RSD	.0415	.0482	.0147	15.12	.1074	7.989

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5.120	.1231	2.555	.0174	5.663	3.371
SDev	.8113	.3045	.7613	.1502	2.665	.412
%RSD	15.85	247.3	29.8	862	47.05	12.22

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	31.03	4.660	5.349	1.095	3.283	1.039
SDev	.0335	1.03	.7024	.0008	1.141	.3964
%RSD	.108	22.09	13.13	.0703	34.75	38.15

Elms	1960/2	*Y
Units	PPB	
Avge	-.3341	9291.25
SDev	.6544	20.8596
%RSD	195.9	.2245

Method: TOTAL Sample Name: 240-25228-d-9-a Operator:
 Run Time: 06/06/13 08:11 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2163	10.94	1.271	11.29	.1749	-.0150
SDev	.6775	1.109	.1558	.6571	0	.0063
%RSD	313.2	10.13	12.26	5.819	.0076	41.66

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	23.70	.1995	.3273	.3433	.1664	3.816
SDev	.3655	.0512	.272	.0213	.201	4.694
%RSD	1.542	25.68	83.09	6.207	120.8	123

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	37.74	106.5	.1430	.6471	-995.0	.3829
SDev	4.46	1.047	.0001	.1977	146.4	.6136
%RSD	11.82	.9832	.0481	30.55	14.71	160.3

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1126	-.6500	1.671	1.163	3.638	-.0476
SDev	.5302	1.041	1.754	.9065	1.99	.1355
%RSD	470.7	160.1	105	77.93	54.69	284.6

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5.337	.5291	-.4334	2.981	1.017	-2.002
SDev	.0012	1.66	1.623	.7211	2.99	2.572
%RSD	.0228	313.6	374.6	24.19	294	128.5

Elms	1960/2	*Y
Units	PPB	
Avge	.0250	9274.75
SDev	.2767	2.47487
%RSD	1108	.02668

Method: TOTAL Sample Name: 240-25150-f-5-a@5 Operator:
 Run Time: 06/06/13 08:17 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.2495	27.75	.3180	217.4	2.197	-.0024
SDev	.0836	.0052	.6281	.1225	.0716	.0197
%RSD	33.49	.0189	197.5	.0563	3.26	827

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	89040.	.2197	.9089	.8547	-.1514	21.31
SDev	44.86	.0498	.5542	.0863	.2098	1.22
%RSD	.0504	22.65	60.98	10.1	138.6	5.724

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4989.	112500.	98.95	.7675	228700.	1.597
SDev	16.12	70.91	.1525	.336	9.844	.2341
%RSD	.3231	.063	.1541	43.78	.0043	14.66

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0394	1.560	1.579	-.5288	2.256	-.3377
SDev	.6061	.2904	1.582	.0596	2.836	.0007
%RSD	1539	18.62	100.2	11.27	125.7	.2119

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	8.068	.4151	-.2666	-1.305	3.018	-.8824
SDev	.0798	.9134	1.365	.7334	2.738	1.811
%RSD	.9897	220	511.9	56.21	90.72	205.2

Elms	1960/2	*Y
Units	PPB	
Avge	2.779	9114.5
SDev	.4688	.7071
%RSD	16.87	.00775

Method: TOTAL Sample Name: SD 240-25150-f-5a@25 Operator:
 Run Time: 06/06/13 08:23 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.5704	17.59	.6029	46.19	.7710	-.0422
SDev	.4718	1.861	.2762	.206	.1398	.0057
%RSD	82.72	10.58	45.81	.4461	18.13	13.48

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	17620.	.1068	.2635	.3137	.0256	3.821
SDev	2.272	.0961	.1822	.445	.0176	5.285
%RSD	.0129	89.91	69.15	141.9	68.54	138.3

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	861.4	22000.	19.76	.1332	45790.	.3285
SDev	6.116	2.632	.0187	1.188	190.8	.1535
%RSD	.71	.012	.0948	891.7	.4167	46.73

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-1.068	.0682	1.843	.6261	3.159	-.2877
SDev	.1976	.2733	.0312	.3096	.5271	.0703
%RSD	18.5	400.9	1.694	49.45	16.69	24.44

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	7.134	-.4776	-1.364	2.214	1.657	-.4114
SDev	.0168	1.091	.841	1.797	.8505	.183
%RSD	.2354	228.4	61.68	81.17	51.32	44.48

Elems	1960/2	*Y
Units	PPB	
Avge	.3076	9272.25
SDev	.3184	10.253
%RSD	103.5	.11057

Method: TOTAL Sample Name: 240-25150-f-5-b ms@5 Operator:
 Run Time: 06/06/13 08:29 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	10.46	455.0	408.1	423.7	423.8	9.765
SDev	.3311	.6746	1.81	.3451	.5235	.0354
%RSD	3.164	.1483	.4435	.0815	.1235	.3627

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	101900.	10.19	102.8	39.97	51.61	220.2
SDev	515.3	.2201	.4228	.8703	.3397	.513
%RSD	.5057	2.159	.4113	2.177	.6582	.233

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	16630.	126100.	207.1	202.3	245600.	103.5
SDev	29.01	677.1	.563	1.09	126.8	1.918
%RSD	.1744	.5369	.2718	.5389	.0516	1.853

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	100.5	407.3	101.2	395.8	410.9	101.0
SDev	.5931	.2157	.2067	1.078	2.185	.4413
%RSD	.5903	.053	.2043	.2723	.5317	.4367

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	111.9	99.78	100.8	102.4	100.6	396.5
SDev	.3001	1.231	1.504	1.79	.5839	1.283
%RSD	.2683	1.234	1.492	1.748	.5807	.3235

Elms	1960/2	*Y
Units	PPB	
Avge	412.6	9084
SDev	.9638	3.53553
%RSD	.2336	.03892

Method: TOTAL Sample Name: 240-25150-f-5-cmsd@5 Operator:
 Run Time: 06/06/13 08:35 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	9.627	429.6	384.3	402.9	396.1	9.146
SDev	.351	1.178	.2302	.009	.9333	.0095
%RSD	3.646	.2742	.0599	.0022	.2356	.1041

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	95530.	9.625	96.06	37.58	48.52	210.3
SDev	225.1	.0252	.5261	.2991	.1048	2.251
%RSD	.2356	.2621	.5477	.7957	.2159	1.071

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	15620.	118300.	194.4	190.2	232500.	97.03
SDev	18.21	329.6	.4835	.0248	197	.4708
%RSD	.1166	.2786	.2488	.013	.0848	.4852

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	95.54	387.6	96.01	370.0	389.5	94.83
SDev	.7081	1.948	1.147	1.117	1.396	.4301
%RSD	.7412	.5027	1.194	.3019	.3586	.4536

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	106.8	91.09	97.76	97.79	95.11	379.5
SDev	.2831	.2622	1.192	2.486	.478	7.1
%RSD	.2651	.2878	1.22	2.542	.5025	1.871

Elms	1960/2	*Y
Units	PPB	
Avge	391.7	9092.5
SDev	.6238	14.8492
%RSD	.1593	.16331

Method: TOTAL Sample Name: 240-25150-e-5-a@5 Operator:
 Run Time: 06/06/13 08:41 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1019	17.20	.8102	223.6	2.583	-.0143
SDev	.1676	3.713	.2872	1.049	.037	.0003
%RSD	164.5	21.58	35.45	.4691	1.432	2.434

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	92010.	.0788	.3205	-.1354	.4086	95.06
SDev	.1823	.0086	.2779	.7993	.3217	2.476
%RSD	.0002	10.88	86.7	590.1	78.73	2.604

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5187.	116300.	101.3	1.058	237700.	.5487
SDev	48.18	30.43	.0266	.4707	377.8	.5478
%RSD	.9288	.0262	.0262	44.51	.1589	99.83

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.5467	2.150	2.589	-.6056	5.264	-.5340
SDev	.1379	.3762	1.533	.1571	2.048	.1391
%RSD	25.22	17.5	59.23	25.95	38.9	26.05

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	7.494	-.3208	.9795	1.563	3.101	.0764
SDev	.1159	1.218	.8147	.8547	2.725	1.612
%RSD	1.546	379.6	83.17	54.69	87.89	2111

Elms	1960/2	*Y
Units	PPB	
Avge	3.185	9089.5
SDev	1.369	4.24264
%RSD	42.98	.04667

Method: TOTAL Sample Name: 240-25150-e-5-b ms@5 Operator:
 Run Time: 06/06/13 08:47 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	11.16	476.1	443.5	461.0	463.4	10.69
SDev	.2013	46.11	34.29	37.57	39.65	.9529
%RSD	1.803	9.685	7.731	8.151	8.556	8.918

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	110300.	11.01	111.7	44.10	58.14	218.6
SDev	9113	.792	9.34	3.807	6.036	12.29
%RSD	8.259	7.196	8.365	8.633	10.38	5.62

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	18160.	136700.	222.5	220.4	266200.	112.7
SDev	1426	11640	18.84	16.51	20520	9.975
%RSD	7.854	8.517	8.467	7.49	7.706	8.85

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	108.1	443.9	111.1	430.8	441.1	110.2
SDev	7.278	30.04	4.409	36.1	30.31	9.405
%RSD	6.73	6.767	3.97	8.38	6.873	8.538

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	132.6	105.7	109.3	111.6	110.8	437.5
SDev	11.19	7.499	7.167	7.028	3.102	30.13
%RSD	8.443	7.094	6.554	6.295	2.8	6.888

Elms	1960/2	*Y
Units	PPB	
Avge	447.1	8658.5
SDev	29.99	607.405
%RSD	6.707	7.01512

Method: TOTAL Sample Name: 240-25150-e-5-cmsd@5 Operator:
 Run Time: 06/06/13 08:53 Filename: I60605A
 Mode: CONC Type: S Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	10.35	431.2	406.5	424.1	422.5	9.726
SDev	.0591	.3861	.217	1.161	.1478	.0235
%RSD	.5711	.0895	.0534	.2739	.035	.2413

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	101500.	10.14	102.8	40.26	52.31	197.6
SDev	42.65	.0473	.0357	.5692	.0804	4.521
%RSD	.042	.4669	.0348	1.414	.1536	2.288

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	16670.	125500.	203.9	203.0	245800.	104.3
SDev	12.91	47.94	.0323	1.478	120.1	.1202
%RSD	.0774	.0382	.0159	.728	.0489	.1153

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	100.2	410.2	100.4	396.4	409.8	100.8
SDev	.9492	1.955	.3851	1.804	.8227	.3819
%RSD	.947	.4766	.3834	.4551	.2007	.3787

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	113.8	100.5	100.1	105.0	98.17	406.0
SDev	.0406	.5571	1.145	.0893	.5327	4.821
%RSD	.0357	.5543	1.144	.085	.5427	1.188

Elms	1960/2	*Y
Units	PPB	
Avge	412.3	9089.25
SDev	.524	3.18198
%RSD	.1271	.035

Method: TOTAL Sample Name: CCV Operator:
 Run Time: 06/06/13 08:59 Filename: I60605A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1031.	26100.	511.5	5174.	2111.	2066.
SDev	1.318	55.67	4.799	5.715	4.194	1.469
%RSD	.1278	.2133	.9383	.1104	.1987	.0711

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	51620.	513.8	2063.	2042.	2091.	26170.
SDev	1.79	.6494	1.076	.6387	4.522	13.23
%RSD	.0035	.1264	.0522	.0313	.2163	.0505

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	53170.	50970.	2065.	2040.	51050.	2070.
SDev	134.7	10.41	1.671	25.82	196.6	1.515
%RSD	.2533	.0204	.0809	1.265	.3852	.0732

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	517.2	516.8	517.9	5093.	1043.	2041.
SDev	.9128	.7959	.0349	3.422	.1826	2.423
%RSD	.1765	.154	.0067	.0672	.0175	.1187

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2080.	508.8	521.4	518.4	517.7	512.7
SDev	2.929	.1915	1.464	3.85	1.974	1.013
%RSD	.1408	.0376	.2808	.7425	.3814	.1975

Elms	1960/2	*Y
Units	PPB	
Avge	518.8	9241.5
SDev	1.699	8.48528
%RSD	.3275	.09181

Method: TOTAL Sample Name: CCB Operator:
 Run Time: 06/06/13 09:05 Filename: I60605A
 Mode: CONC Type: Q Corr. Factor: 1.00000
 Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elms	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2715	9.051	1.449	21.90	.2979	.1754
SDev	.1431	1.657	.1038	3.791	.1045	.0121
%RSD	52.73	18.31	7.169	17.32	35.1	6.895

Elms	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-1.659	.1465	.6490	.5196	.1359	7.544
SDev	.5436	.0351	.0001	.0642	.5206	1.219
%RSD	32.78	23.94	.0224	12.36	383.2	16.16

Elms	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	48.73	107.1	.1701	7.875	-773.3	1.083
SDev	1.795	2.772	.0002	4.402	120.7	.3043
%RSD	3.685	2.587	.1248	55.9	15.61	28.09

Elms	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.9032	.7329	1.522	1.610	3.078	.2054
SDev	.3496	1.097	.8432	.7148	.2157	.2115
%RSD	38.71	149.7	55.4	44.4	7.007	103

Elms	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.4528	1.389	-2.048	2.661	.9535	.9149
SDev	.0021	.0001	.5241	1.696	.4176	2
%RSD	.4692	.0085	25.6	63.73	43.8	218.6

Elms	1960/2	*Y
Units	PPB	
Avge	.6421	9334.5
SDev	.647	7.77817
%RSD	100.8	.08332

Sample Name: Blank Acquired: 5/28/2013 15:32:28 Type: Cal
Method: Standard Method + IEC Checks(v164) Mode: IR Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.00164	.00236	.00085	.00036	.02064	-.00410	.01188
Stddev	.00016	.00008	.00012	.00019	.00105	.00024	.00024
%RSD	9.5916	3.2690	14.604	53.697	5.0828	5.8000	2.0128

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0005	.00060	-.00041	-.00128	.00124	.00488	.00987
Stddev	.0002	.00010	.00011	.00014	.00017	.00148	.00068
%RSD	37.60	16.538	27.222	11.088	13.441	30.372	6.9234

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.00068	.00039	-.00054	.02778	.00283	.00007	.0013
Stddev	.00028	.00010	.00034	.00351	.00016	.00054	.0003
%RSD	40.626	24.273	62.578	12.629	5.5923	748.65	24.79

Elem	Se1960	Sn1899	Ti3372	Tl1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00056	.00046	.00068	-.00091	.00127	.00183	.00094
Stddev	.00014	.00013	.00021	.00021	.00028	.00009	.00035
%RSD	24.180	27.198	30.467	23.476	21.977	4.9064	37.370

Elem	Sr3464
IS Ref	(Y_3710)
Units	Cts/S
Avg	-.00047
Stddev	.00020
%RSD	43.750

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7383.3	5043.6	58695.	9429.1
Stddev	80.6	49.9	412.	140.8
%RSD	1.0911	.98940	.70188	1.4936

Sample Name: SCAL1 Acquired: 5/28/2013 15:36:21 Type: Cal
Method: Standard Method + IEC Checks(v164) Mode: IR Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	As1890	B_1826	Ba4554	Be3130	Cd2288	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.81451	.15908	7.4656	23.872	44.377	3.507	4.9478	1.5570
Stddev	.00193	.00116	.0375	.158	.591	.020	.0307	.0077
%RSD	.23637	.72906	.50263	.66376	1.3315	.5551	.62069	.49710

Elem	Cu3273	Li6707	Mn2576	Mo2020	Ni2316	Pb2203	Sb2175	Se1960
IS Ref	(Y_3600)	(Y_3710)	(Y_3600)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.97961	12.751	9.4627	6.0632	2.8858	.51525	.2261	.14845
Stddev	.00217	.009	.1342	.0263	.0172	.00304	.0017	.00089
%RSD	.22157	.06792	1.4179	.43464	.59602	.59079	.7584	.60081

Elem	Sn1899	Ti3372	Tl1908	V_2908	Zn2062	Sr3464
IS Ref	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.3082	10.381	.37831	.94718	6.5117	2.3977
Stddev	.0207	.118	.00217	.00269	.0410	.0054
%RSD	.62627	1.1398	.57463	.28352	.63007	.22566

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6958.4	4891.7	57405.	9398.8
Stddev	46.9	28.0	583.	152.9
%RSD	.67383	.57267	1.0163	1.6271

Sample Name: SCAL2 Acquired: 5/28/2013 15:40:36 Type: Cal
 Method: Standard Method + IEC Checks(v164) Mode: IR Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Al3082	Ca3179	Fe2599	K_7664	Mg2790	Na5895	Si2516
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.4692	26.752	13.187	4.9903	3.1844	21.550	.74055
Stddev	.0161	.672	.119	.0494	.0362	.216	.00865
%RSD	1.0938	2.5116	.90050	.99027	1.1361	1.0015	1.1677

Int. Std.	Y_3710
Units	Cts/S
Avg	9342.0
Stddev	142.4
%RSD	1.5243

Sample Name: ICV Acquired: 5/28/2013 15:44:34 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	754.76	12337.	365.27	1494.3	1510.1	1528.8	25558.	362.3
Stddev	1.95	120.	1.97	2.0	10.5	9.8	189.	.5
%RSD	.25890	.97327	.53985	.13349	.69717	.63802	.73958	.1320

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1462.4	1471.2	1473.6	12554.	25282.	986.28	25115.	1515.1
Stddev	3.2	7.5	1.3	91.	228.	8.77	202.	7.0
%RSD	.21683	.50764	.08500	.72494	.90351	.88880	.80346	.46237

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1469.1	25287.	1463.7	359.18	365.8	361.65	1463.0	1513.4
Stddev	1.0	188.	3.1	.85	2.7	2.60	4.3	2.3
%RSD	.06854	.74434	.21369	.23727	.7261	.71979	.29245	.14976

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: ICV Acquired: 5/28/2013 15:44:34 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	729.54	1510.1	1481.4	3157.1	4431.7
Stddev	1.61	10.5	6.5	5.0	43.6
%RSD	.22006	.69294	.44080	.15948	.98314

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6971.9	4927.1	57625.	9504.3
Stddev	44.9	26.2	909.	105.8
%RSD	.64332	.53165	1.5779	1.1136

Sample Name: ICB Acquired: 5/28/2013 15:48:14 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.28779	6.6485	.73465	9.1643	.22821	.40976	18.101	.0433
Stddev	.51239	14.957	1.4498	.1514	.30895	.56497	23.080	.0508
%RSD	178.04	224.97	197.34	1.6520	135.38	137.88	127.51	117.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.06916	.18496	.24162	8.8645	226.42	2.3438	17.689	.09357
Stddev	.09276	.27512	.35525	11.445	29.87	1.1685	18.729	.02555
%RSD	134.12	148.75	147.03	129.11	13.194	49.854	105.88	27.310

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.0121	20.538	.12507	.15352	5.088	.80690	1.9699	1.0124
Stddev	.8747	8.629	.24633	.25789	.548	.93671	.3755	.0872
%RSD	17.451	42.015	196.96	167.98	10.77	116.09	19.062	8.6125

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: ICB Acquired: 5/28/2013 15:48:14 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.7176	.67834	.11728	-2.4409	5.5020
Stddev	1.2526	1.4732	.03592	7.5379	3.1086
%RSD	72.928	217.17	30.629	308.82	56.499

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7313.1	4971.2	59071.	9443.9
Stddev	75.8	55.0	159.	82.8
%RSD	1.0368	1.1064	.26873	.87639

Sample Name: CRI Acquired: 5/28/2013 15:52:09 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.4435	215.91	16.485	205.59	9.7130	5.0833	5102.4	5.148
Stddev	.1776	8.42	2.016	.79	.0706	.0525	19.7	.070
%RSD	3.2623	3.8991	12.227	.38443	.72636	1.0323	.38646	1.361

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.9992	5.1468	16.101	311.53	5126.1	51.534	5223.4	16.777
Stddev	.0367	.1667	.178	.95	24.7	.815	9.1	.059
%RSD	.73490	3.2381	1.1082	.30511	.48190	1.5808	.17493	.35458

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.618	5168.1	24.490	11.361	11.17	18.673	97.909	50.715
Stddev	.157	17.9	.232	.543	.74	.907	.272	.182
%RSD	1.4767	.34553	.94574	4.7825	6.624	4.8580	.27791	.35955

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: CRI Acquired: 5/28/2013 15:52:09 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	15.254	7.1355	39.931	500.45	54.539
Stddev	.581	2.3738	.241	3.47	1.059
%RSD	3.8092	33.268	.60293	.69300	1.9421

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7277.9	4977.4	59534.	9705.8
Stddev	33.2	23.4	159.	66.7
%RSD	.45598	.47070	.26696	.68765

Sample Name: CRILL Acquired: 5/28/2013 15:55:57 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.8025	200.57	10.073	201.63	195.51	4.9395	5039.2
Stddev	.4117	18.51	.418	.21	.70	.0118	23.1
%RSD	8.5730	9.2291	4.1543	.10313	.35817	.23849	.45830

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.020	6.7518	5.8732	26.478	106.54	5051.3	52.591
Stddev	.150	.2305	.3306	.328	.97	23.7	2.035
%RSD	7.452	3.4139	5.6287	1.2383	.91210	.46860	3.8684

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5180.8	15.649	10.399	5053.0	38.972	3.3102	10.13
Stddev	8.0	.015	.174	9.5	.278	1.1009	1.54
%RSD	.15458	.09815	1.6775	.18830	.71279	33.259	15.19

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Sample Name: CRILL Acquired: 5/28/2013 15:55:57 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 3.3335	95.048	50.446	9.6400	6.2123	19.684	488.46
Stddev	.7386	.134	.303	.2688	.5728	.043	1.42
%RSD	22.156	.14063	.60083	2.7881	9.2209	.21993	.29146

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	5.0000						
Range	-30.500%						

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	53.862
Stddev	1.640
%RSD	3.0440

Check ?	Chk Pass
Value	
Range	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7443.3	5077.0	57893.	9276.8
Stddev	66.7	39.5	65.	53.4
%RSD	.89647	.77732	.11243	.57538

Sample Name: ICSA Acquired: 5/28/2013 15:59:45 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .20262	500430.	-3.1452	2.2270	.07922	-.38072	471030.
Stddev	.17644	1317.	1.2296	.4392	.15376	.03310	8481.
%RSD	87.081	.26306	39.095	19.721	194.09	8.6932	1.8005

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3253	-1.6367	2.8285	-1.5796	187450.	47.206	-21.310
Stddev	.1008	.3170	.0658	.2893	1221.	21.617	2.184
%RSD	30.98	19.371	2.3276	18.318	.65130	45.793	10.251

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	493430.	2.7381	-1.7876	37.513	.37489	3.3151	-2.493
Stddev	1001.	.0300	.1661	14.159	.83095	2.0212	.482
%RSD	.20276	1.0937	9.2930	37.744	221.65	60.967	19.34

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: ICSA Acquired: 5/28/2013 15:59:45 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.93967	4.8301	.11681	-2.5429	-2.9802	9.6742	-14.208
Stddev	7.1171	.4471	.14841	1.2100	1.5070	.0858	1.240
%RSD	757.41	9.2565	127.05	47.585	50.567	.88733	8.7292

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	8.1963
Stddev	.9760
%RSD	11.908

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6026.8	4496.6	51516.	9148.1
Stddev	22.9	21.4	740.	51.1
%RSD	.37951	.47492	1.4368	.55860

Sample Name: ICSAB Acquired: 5/28/2013 16:03:46 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1068.0	507750.	977.77	498.27	479.80	483.98	478510.
Stddev	2.4	1198.	5.74	.46	1.12	1.24	9961.
%RSD	.22130	.23595	.58704	.09145	.23309	.25543	2.0816

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	986.0	471.29	468.89	511.81	189850.	10207.	494.79
Stddev	.7	1.17	.97	1.33	1727.	55.	1.25
%RSD	.0703	.24818	.20679	.26070	.90956	.53411	.25258

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	497520.	482.08	939.91	10407.	939.31	886.89	979.8
Stddev	2026.	.94	4.05	28.	2.22	1.15	3.3
%RSD	.40730	.19538	.43065	.27197	.23649	.12936	.3349

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Sample Name: ICSAB Acquired: 5/28/2013 16:03:46 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	964.45	494.30	505.12	929.20	478.05	965.60	9974.1
Stddev	1.08	.94	.35	2.65	1.14	2.46	24.2
%RSD	.11224	.18971	.06953	.28511	.23893	.25518	.24256

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1438.7
Stddev	2.8
%RSD	.19665

Check ?	Chk Pass
Value	
Range	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5971.1	4491.2	51832.	8981.9
Stddev	22.1	21.4	339.	103.8
%RSD	.37058	.47658	.65395	1.1556

Sample Name: CCV Acquired: 5/28/2013 16:07:42 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	982.75	24583.	498.56	4942.6	1954.8	1976.9	50260.	492.2
Stddev	1.72	43.	.50	1.8	6.5	4.5	77.	.5
%RSD	.17455	.17539	.10025	.03678	.33445	.22584	.15259	.1048

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1933.9	1926.7	1924.7	24751.	49609.	4906.6	50018.	1957.0
Stddev	3.9	1.7	.8	29.	94.	7.8	141.	2.0
%RSD	.20262	.09040	.03987	.11753	.18955	.15933	.28222	.10184

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1949.1	50146.	1929.8	481.62	496.5	493.49	4876.5	4967.0
Stddev	1.5	96.	2.6	1.40	.6	3.16	10.1	28.9
%RSD	.07441	.19116	.13216	.29072	.1139	.63960	.20693	.58222

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: CCV Acquired: 5/28/2013 16:07:42 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	984.69	1972.3	1964.7	5256.8	4886.5
Stddev	.92	7.7	4.0	65.1	17.3
%RSD	.09311	.38865	.20259	1.2375	.35384

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6719.9	4837.0	56210.	9387.6
Stddev	21.5	15.9	58.	118.1
%RSD	.31992	.32774	.10314	1.2581

Sample Name: CCB Acquired: 5/28/2013 16:11:28 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.66246	22.314	1.4168	10.324	.03906	.11875	12.031	.0215
Stddev	.14627	11.414	1.6344	1.240	.23188	.04181	.889	.1399
%RSD	22.079	51.152	115.36	12.010	593.65	35.208	7.3852	649.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.36562	.07356	.35709	7.9391	97.990	2.9937	14.672	.06133
Stddev	.27142	.16778	.74031	.0592	49.776	1.9050	6.906	.00603
%RSD	74.234	228.11	207.32	.74619	50.797	63.635	47.070	9.8332

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.8735	-21.918	.38518	.09926	2.661	-.99754	4.0229	2.8732
Stddev	.5522	12.137	.40041	.28413	.742	1.3193	.3009	.2887
%RSD	9.4021	55.375	103.95	286.25	27.88	132.25	7.4793	10.050

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB Acquired: 5/28/2013 16:11:28 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.2789	-.01106	-.33048	-1.7552	3.2220
Stddev	.4389	2.4762	.25548	5.1733	2.8445
%RSD	19.260	22382.	77.305	294.74	88.284

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7381.7	4998.3	59967.	9326.9
Stddev	17.3	12.9	104.	78.4
%RSD	.23371	.25766	.17350	.84050

Sample Name: IEC Check As Acquired: 5/28/2013 16:15:23 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.15573	6.3191	4908.3	5.3129	-.08350	.03621	.37057	-.0328
Stddev	.35039	15.691	13.0	.3091	.07914	.04396	.78384	.2794
%RSD	225.01	248.31	.26453	5.8174	94.778	121.40	211.52	851.8

Check ?	None	None	None	None	None	None	None	Chk Pass
Value								
Range								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.15946	.47152	.76660	9.8758	-19.503	-1.8177	11.574	-.00224
Stddev	.07313	.17809	.20027	.5420	18.308	.6090	7.011	.01883
%RSD	45.860	37.769	26.124	5.4884	93.874	33.505	60.575	842.34

Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.61051	-37.105	-.19227	.07103	2.052	-.23143	.28446	.23725
Stddev	.02937	15.513	.26941	.27384	1.719	.41707	.38722	.14431
%RSD	4.8111	41.808	140.12	385.54	83.77	180.22	136.13	60.825

Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: IEC Check As Acquired: 5/28/2013 16:15:23 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.0728	.16135	.63598	-8.5357	3.1076
Stddev	.7278	1.5936	.07591	4.2395	2.8323
%RSD	35.110	987.65	11.935	49.668	91.143

Check ?	None	None	None	None	None
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7837.2	5247.8	60159.	9656.2
Stddev	54.2	32.6	471.	218.9
%RSD	.69112	.62138	.78275	2.2665

Sample Name: IEC Check Ti Acquired: 5/28/2013 16:19:16 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.09601	35.279	3.5032	4.5111	.10764	.04111	-4.6029	.1619
Stddev	.17835	12.539	.6128	.2903	.13249	.01908	2.5817	.0482
%RSD	185.77	35.542	17.491	6.4353	123.08	46.402	56.090	29.78

Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.12645	1.3476	-4.9764	12.134	-15.778	-1.7479	-80.690	.01412
Stddev	.98748	.2468	.4973	.633	16.193	.5588	18.293	.02718
%RSD	780.95	18.310	9.9936	5.2129	102.63	31.971	22.671	192.50

Check ?	Chk Pass	None	None	None	None	None	None	None
Value								
Range								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.38088	-49.500	-1.5151	-.83412	.0241	-2.2205	3.3659	28930.
Stddev	.09018	5.671	.2544	.38089	1.940	1.6002	.1669	475.
%RSD	23.677	11.457	16.787	45.663	8066.	72.066	4.9570	1.6412

Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: IEC Check Ti Acquired: 5/28/2013 16:19:16 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-1.3004	-4.3801	.32894	7700.7	2.1705
Stddev	.7577	1.0994	.05743	1817.3	3.2791
%RSD	58.265	25.100	17.460	23.599	151.08

Check ?	Chk Pass	None	None	None	None
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7649.9	5168.5	61105.	9376.9
Stddev	37.1	29.3	745.	120.5
%RSD	.48545	.56733	1.2195	1.2852

Sample Name: IEC Check Co Acquired: 5/28/2013 16:23:18 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.49576	9.2035	-.02807	3.0841	-.19870	-.05245	2.1220	.1227
Stddev	.45449	11.560	.50748	.3011	.16048	.02242	.8986	.1142
%RSD	91.676	125.60	1807.9	9.7631	80.762	42.753	42.348	93.10

Check ?	None	None	Chk Pass	None	None	None	None	None
Value								
Range								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9814.6	.03967	-2.2256	6.2130	-35.334	-1.7406	-.65708	-.05095
Stddev	7.1	.31466	.3451	.9148	26.621	1.1879	4.2630	.02376
%RSD	.07271	793.17	15.506	14.723	75.341	68.248	648.78	46.641

Check ?	None	None	Chk Pass	None	None	None	None	None
Value								
Range								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.09693	-52.451	-.36718	-.09527	3.780	-1.3024	.36297	28.682
Stddev	.17392	5.609	.19161	.64755	.608	1.1866	.57845	1.761
%RSD	179.43	10.694	52.183	679.67	16.08	91.107	159.37	6.1403

Check ?	None	None	Chk Pass	None	Chk Pass	None	None	None
Value								
Range								

Sample Name: IEC Check Co Acquired: 5/28/2013 16:23:18 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.6145	.85295	1.7181	53.068	3.3670
Stddev	.6227	.79729	.0461	3.458	1.8999
%RSD	23.817	93.475	2.6818	6.5170	56.428

Check ?	Chk Pass	None	None	None	None
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7650.9	5143.3	60183.	9701.7
Stddev	21.3	18.5	57.	35.8
%RSD	.27780	.35879	.09418	.36873

Sample Name: zzIEC Check AI Acquired: 5/28/2013 16:27:13 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	s -147.26	s -7.3345	s 2.3414	s 4.0028	s .57844	s -.55632	s -.28909
Stddev	304.05	31.933	2.5772	1.7439	2.9623	.49807	22.265
%RSD	206.47	435.38	110.07	43.568	512.12	89.529	7701.8

Check ?	None	None	Chk Pass	None	None	None	None
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	s -.0794	s 227.51	s -34.464	s -49.552	s -.06088	s -16.287	s -.83447
Stddev	.0895	562.33	71.051	172.05	1.9388	108.66	3.4687
%RSD	112.7	247.16	206.16	347.21	3184.7	667.18	415.68

Check ?	None	None	None	None	None	None	None
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	s -1.2670	s -1.2473	s .09525	s -35.236	s -12.849	s .41412	s 4.684
Stddev	4.4395	1.4007	.15158	61.000	24.164	.80633	4.983
%RSD	350.39	112.30	159.14	173.12	188.05	194.71	106.4

Check ?	None	None	None	None	None	Chk Pass	Chk Pass
Value							
Range							

Sample Name: zzIEC Check AI Acquired: 5/28/2013 16:27:13 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	s -2.5519	s -3.8909	s 12.720	s 12.360	s -.84101	s -2.4056	s 61.595
Stddev	2.5627	8.5980	89.608	19.112	3.1650	3.3388	66.997
%RSD	100.42	220.98	704.48	154.64	376.33	138.79	108.77

Check ?	None	None	None	None	None	None	None
Value							
Range							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	s 5.6083
Stddev	4.4917
%RSD	80.091

Check ?	None
Value	
Range	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	^ *****	^ *****	^ *****	^ *****
Stddev	-----	-----	-----	-----
%RSD	-----	-----	-----	-----

Sample Name: IEC Check Fe Acquired: 5/28/2013 16:31:08 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.11347	16.526	-2.9727	1.6402	-.08704	.01832	-6.9674
Stddev	.56030	11.831	.6016	.1900	.15650	.06268	1.7757
%RSD	493.79	71.591	20.237	11.586	179.81	342.21	25.485

Check ?	None	None	None	None	None	None	None
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.708	2.9505	3.6367	-3.1295	514990.	-272.06	-4.1082
Stddev	.080	.4579	.1042	.5177	2896.	65.24	1.5810
%RSD	4.659	15.518	2.8661	16.543	.56239	23.978	38.483

Check ?	Chk Pass	None	None	Chk Pass	None	None	None
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-48.727	6.8005	-2.1346	-23.047	-8.3694	-3.5985	.9538
Stddev	3.760	.0889	.1611	6.066	.1612	1.0649	1.192
%RSD	7.7169	1.3077	7.5475	26.321	1.9265	29.593	124.9

Check ?	None	None	None	None	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Sample Name: IEC Check Fe Acquired: 5/28/2013 16:31:08 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.2789	3.3596	2.0803	5.1440	-3.9926	8.2297	-23.479
Stddev	1.0204	.1678	.1389	.1387	1.8659	.0633	7.335
%RSD	79.788	4.9938	6.6784	2.6958	46.733	.76921	31.243

Check ?	None	None	None	None	Chk Pass	None	None
Value							
Range							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	14.512
Stddev	3.574
%RSD	24.626

Check ?	None
Value	
Range	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7367.2	4871.8	57468.	9082.8
Stddev	109.6	71.7	1367.	58.1
%RSD	1.4878	1.4707	2.3792	.64007

Sample Name: IEC Check V Acquired: 5/28/2013 16:35:09 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.60794	-155.56	1.9963	1.8195	.35741	.30685	-2.5872	.3151
Stddev	.34523	11.73	.6523	.2184	.17159	.01775	1.8223	.0687
%RSD	56.787	7.5371	32.676	12.002	48.007	5.7853	70.433	21.80

Check ?	None	Chk Pass	None	None	None	Chk Pass	None	None
Value								
Range								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.16499	-.19851	.04581	27.039	-51.831	-1.3316	2.0690	-.04456
Stddev	.16585	.50651	.24651	2.601	6.750	.5746	7.4915	.01363
%RSD	100.52	255.15	538.14	9.6208	13.022	43.154	362.09	30.595

Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.60826	-36.068	.35411	.83960	2.251	-1.4609	.48775	.86339
Stddev	.08789	17.923	.19401	.69532	.333	1.3743	.19252	.03697
%RSD	14.449	49.694	54.787	82.816	14.78	94.074	39.472	4.2815

Check ?	None	None	None	None	Chk Pass	None	None	None
Value								
Range								

Sample Name: IEC Check V Acquired: 5/28/2013 16:35:09 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-9.2437	5161.1	.88309	-1.9372	4.2074
Stddev	.7044	22.0	.02907	2.9623	4.5578
%RSD	7.6207	.42575	3.2915	152.92	108.33

Check ?	Chk Pass	None	None	None	None
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7322.9	4947.4	58889.	9128.9
Stddev	59.8	34.7	280.	71.9
%RSD	.81596	.70042	.47494	.78757

Sample Name: CCV Acquired: 5/28/2013 16:39:02 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	sF -30.880	sF 4481.5	sF 5.2277	sF 2.9505	sF 211.89	sF 26.016
Stddev	83.640	7821.5	1.5499	.4945	368.40	45.188
%RSD	270.85	174.53	29.648	16.761	173.86	173.69

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	1000.0	25000.	500.00	5000.0	2000.0	2000.0
Range	-10.500%	-10.500%	-10.500%	-10.500%	-10.500%	-10.500%

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	sF 384.45	sF .3346	sF -2.1687	sF -11.728	sF 45.166	sF 232.11
Stddev	698.60	.1982	1.9937	31.691	135.46	402.68
%RSD	181.71	59.24	91.932	270.21	299.91	173.49

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	50000.	500.0	2000.0	2000.0	2000.0	25000.
Range	-10.500%	-10.50%	-10.500%	-10.500%	-10.500%	-10.500%

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	sF 4441.1	sF 319.40	sF -630.33	sF -1.4826	sF -.52184	sF 6695.5
Stddev	7790.1	558.21	1113.1	1.1722	.37615	11716.
%RSD	175.41	174.77	176.59	79.063	72.082	174.98

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	50000.	5000.0	50000.	2000.0	2000.0	50000.
Range	-10.500%	-10.500%	-10.500%	-10.500%	-10.500%	-10.500%

Sample Name: CCV Acquired: 5/28/2013 16:39:02 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	sF -26.781	sF .33592	sF 9.112	sF 1.3171	sF -12.703	sF -2.5694
Stddev	23.356	.10908	1.419	4.3927	11.884	18.572
%RSD	87.210	32.473	15.57	333.52	93.557	722.81

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	2000.0	500.00	500.0	500.00	5000.0	5000.0
Range	-10.500%	-10.500%	-10.50%	-10.500%	-10.500%	-10.500%

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	sF 29.765	sF 207.06	sF -4.3669	sF -352.99	sF -58.572
Stddev	23.731	354.45	3.2516	591.47	105.31
%RSD	79.729	171.19	74.462	167.56	179.80

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	1000.0	2000.0	2000.0	5000.0	5000.0
Range	-10.500%	-10.500%	-10.500%	-10.500%	-10.500%

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	^ *****	^ *****	^ *****	^ *****
Stddev	-----	-----	-----	-----
%RSD	-----	-----	-----	-----

Sample Name: CCB Acquired: 5/28/2013 16:42:58 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F -563.60	s -4.3089	sF 21.869	s 7.3965	s 1.2742	s -.29038
Stddev	528.81	73.822	37.828	9.8432	4.1159	.45980
%RSD	93.827	1713.2	172.97	133.08	323.02	158.34

Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	5.0000		5.0000			
Low Limit	-5.0000		-5.0000			

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	s -4.3715	s -.1625	s -.06717	F -179.36	kF -311.42	s -.00515
Stddev	28.595	.1453	5.6764	172.92	308.66	2.8041
%RSD	654.11	89.42	8450.5	96.408	99.115	54454.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass
High Limit				5.0000	5.0000	
Low Limit				-5.0000	-5.0000	

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	s -144.40	s -5.1294	s -11.586	-5.8990	s -1.4195	s 23.582
Stddev	29.97	1.8915	39.913	8.7392	2.3997	150.99
%RSD	20.754	36.876	344.48	148.15	169.06	640.27

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 5/28/2013 16:42:58 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	s .62595	sF 6.6475	sF 36.17	s -2.7461	s .85110	F 72.239
Stddev	46.187	10.698	59.90	1.3090	19.960	62.956
%RSD	7378.6	160.93	165.6	47.666	2345.1	87.149

Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail
High Limit		3.0000	6.000			20.000
Low Limit		-3.0000	-6.000			-20.000

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	s -2.2147	s 1.9376	s -2.5695	s 20.008	s 4.8859
Stddev	41.768	4.3795	2.7502	53.292	8.3033
%RSD	1886.0	226.02	107.03	266.35	169.94

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	^ *****	^ *****	81512.	^ *****
Stddev	-----	-----	141e3	-----
%RSD	-----	-----	172.51	-----

Sample Name: CCV Acquired: 5/28/2013 17:43:04 Type: QC
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	971.27	23302.	490.95	4883.0	1907.4	1906.3	47828.	485.7
Stddev	4.54	314.	.77	5.5	27.3	26.1	598.	.7
%RSD	.46759	1.3477	.15624	.11273	1.4337	1.3692	1.2512	.1368

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1901.8	1890.7	1900.6	23881.	47664.	4749.3	48010.	1936.0
Stddev	5.9	4.2	8.4	354.	535.	59.7	648.	5.0
%RSD	.30790	.22028	.44370	1.4811	1.1233	1.2565	1.3496	.25874

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1909.6	48462.	1897.7	472.38	484.1	486.31	4806.6	4954.9
Stddev	8.6	557.	7.0	2.51	2.1	1.98	10.5	33.4
%RSD	.44879	1.1498	.36880	.53080	.4348	.40781	.21918	.67306

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: CCV Acquired: 5/28/2013 17:43:04 Type: QC
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	960.85	1875.1	1925.0	5041.2	4691.6
Stddev	7.97	29.8	7.9	147.9	58.8
%RSD	.82980	1.5889	.40911	2.9342	1.2538

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6869.1	4935.5	57781.	9890.7
Stddev	14.0	14.3	188.	52.8
%RSD	.20419	.29026	.32611	.53347

Sample Name: CCB Acquired: 5/28/2013 17:46:47 Type: QC
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.21517	16.984	.56482	7.4509	.55456	.63442	111.02	.1057
Stddev	.36139	3.105	1.3405	.4184	.69017	.96638	22.38	.0670
%RSD	167.96	18.282	237.34	5.6153	124.45	152.33	20.155	63.38

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.06515	.08435	.59862	10.189	100.59	2.9018	16.132	.25968
Stddev	.27847	.06766	.42646	11.651	42.46	1.4096	22.167	.02344
%RSD	427.44	80.210	71.240	114.35	42.213	48.575	137.41	9.0263

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.0381	9.5594	.01808	.97081	1.812	-.35252	1.2666	1.7698
Stddev	.1600	19.764	.16446	1.0658	1.304	1.6221	.3334	.0228
%RSD	7.8479	206.74	909.45	109.79	71.97	460.14	26.323	1.2858

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB Acquired: 5/28/2013 17:46:47 Type: QC
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.50403	-.17298	5.9932	-2.3221	3.5085
Stddev	.27706	1.1304	.0295	2.1460	2.2521
%RSD	54.968	653.48	.49239	92.417	64.191

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7352.5	4993.1	58493.	9301.2
Stddev	22.1	12.6	258.	107.6
%RSD	.30020	.25298	.44179	1.1574

Sample Name: IEC AI Check Acquired: 5/28/2013 17:50:44 Type: QC
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.06688	510260.	-1.6363	3.6414	.08043	.02621	235.69
Stddev	.31998	1267.	1.9508	.2894	.26731	.08042	2.76
%RSD	478.41	.24824	119.22	7.9488	332.36	306.88	1.1731

Check ?	None	None	Chk Pass	None	None	None	None
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0816	-.46375	.14972	.55560	13.370	-16.245	-2.8231
Stddev	.1182	.13714	.34194	.34305	.318	26.993	.7408
%RSD	144.8	29.573	228.38	61.744	2.3760	166.16	26.242

Check ?	None	None	None	None	None	None	None
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.3272	.35726	-.47443	5.8833	1.3572	-.79899	2.379
Stddev	10.709	.02155	.23063	3.1049	.4518	1.1734	2.523
%RSD	128.61	6.0322	48.612	52.775	33.291	146.86	106.1

Check ?	None	None	None	None	None	Chk Pass	Chk Pass
Value							
Range							

Sample Name: IEC AI Check Acquired: 5/28/2013 17:50:44 Type: QC
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.2433	3.0232	.14186	-3.9634	-1.0384	28.595	-7.1356
Stddev	4.0570	.4818	.26258	.5955	.7053	.397	2.2526
%RSD	180.85	15.935	185.10	15.024	67.920	1.3878	31.569

Check ?	None	None	None	None	None	None	None
Value							
Range							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	2.9946
Stddev	3.4773
%RSD	116.12

Check ?	None
Value	
Range	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7021.4	5088.4	54601.	9607.9
Stddev	51.9	38.7	173.	20.4
%RSD	.73979	.76131	.31604	.21230

Sample Name: MB 240-86105/1-A Acquired: 5/28/2013 17:57:29 Type: QC
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.25755	43.444	.85551	2.3830	.42779	-.05436	262.84
Stddev	.35661	23.725	.19527	.1550	.28034	.04723	.16
%RSD	138.46	54.610	22.825	6.5032	65.532	86.879	.06259

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0238	-.01203	.10207	1.4820	8.9729	-11.096	-1.0313
Stddev	.0463	.19050	.37563	.8285	.3651	31.489	1.2170
%RSD	194.9	1584.0	368.03	55.907	4.0688	283.78	118.01

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	59.912	.51813	.16582	46.792	-.45925	-.01544	.9229
Stddev	6.246	.02519	.12814	8.342	.11416	.75094	1.655
%RSD	10.424	4.8621	77.277	17.828	24.858	4863.2	179.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: MB 240-86105/1-A Acquired: 5/28/2013 17:57:29 Type: QC
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .93526	.21617	.66250	.36284	.43660	F 37.053	-9.2956
Stddev	1.4527	.36440	.16039	.84858	1.6243	.119	4.0263
%RSD	155.32	168.57	24.210	233.87	372.03	.32217	43.314

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						20.000	
Low Limit						-1000.0	

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	2.2770
Stddev	1.6323
%RSD	71.688

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7705.8	5210.7	60943.	10082.
Stddev	37.9	22.7	138.	155.
%RSD	.49138	.43479	.22584	1.5409

Sample Name: lcs 240-86105/2-A Acquired: 5/28/2013 18:01:21 Type: QC
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47.838	1836.5	1856.2	947.84	1829.4	45.608	47329.	46.84
Stddev	.356	2.3	3.5	1.78	1.0	.029	210.	.06
%RSD	.74468	.12351	.18962	.18803	.05592	.06267	.44408	.1237

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	452.67	180.82	227.03	940.97	47124.	890.13	47510.	466.67
Stddev	.43	.72	.38	1.85	110.	.95	187.	1.40
%RSD	.09437	.39895	.16616	.19682	.23429	.10640	.39453	.30003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	909.05	47676.	454.29	450.79	465.5	1882.4	1789.6	930.92
Stddev	2.50	105.	1.35	1.55	4.0	4.8	3.6	1.48
%RSD	.27525	.22002	.29691	.34343	.8575	.25745	.20107	.15852

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: lcs 240-86105/2-A Acquired: 5/28/2013 18:01:21 Type: QC
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	TI1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1832.9	458.36	483.42	954.41	897.25
Stddev	2.3	1.34	1.06	14.55	2.94
%RSD	.12782	.29207	.21949	1.5248	.32797

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7097.7	5025.4	58607.	9588.1
Stddev	39.5	24.9	450.	96.4
%RSD	.55638	.49467	.76722	1.0049

Sample Name: 240-24397-A-1-A Acquired: 5/28/2013 18:05:00 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.63353	14.015	2.1632	31.878	43.975	-.06678	45003.	.1805
Stddev	.19143	2.541	.2590	.786	.107	.01673	244.	.1436
%RSD	30.217	18.131	11.974	2.4642	.24305	25.047	.54237	79.56

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.09805	.56554	32.776	3.2767	3384.1	-.23934	9810.3	.91025
Stddev	.11534	.07289	.406	.5110	38.5	.46143	7.2	.02266
%RSD	117.64	12.889	1.2377	15.596	1.1366	192.80	.07313	2.4890

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.6706	17172.	1.4317	.22341	2.286	1.4044	1.4812	.24627
Stddev	.2438	66.	.0983	.98052	1.107	.3773	.2111	.13919
%RSD	9.1303	.38668	6.8647	438.88	48.45	26.864	14.251	56.522

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24397-A-1-A Acquired: 5/28/2013 18:05:00 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.8647	.55312	2.1316	2819.0	131.62
Stddev	.6368	1.3560	.0766	14.5	3.40
%RSD	34.149	245.15	3.5910	.51397	2.5840

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7307.9	5033.7	59462.	9761.8
Stddev	49.2	44.3	494.	23.9
%RSD	.67320	.88085	.83083	.24531

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.978%	99.803%	101.31%	103.53%
Range				

Sample Name: MB 240-86107/1-A Acquired: 5/28/2013 18:08:52 Type: QC
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.75800	10.010	.70809	1.9486	.52041	-.01842	217.74
Stddev	.16434	3.887	.84090	.3865	.13490	.02590	4.40
%RSD	21.681	38.825	118.76	19.832	25.922	140.63	2.0211

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0574	-.21801	.09850	.42153	9.8809	16.957	-.69745
Stddev	.0375	.20192	.19115	.56495	.8683	5.992	1.0136
%RSD	65.26	92.620	194.06	134.02	8.7880	35.339	145.33

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	59.648	.16572	.21298	38.152	-.07717	-.25720	1.582
Stddev	7.897	.02769	.26254	12.979	.19904	.40956	1.148
%RSD	13.239	16.712	123.27	34.020	257.91	159.24	72.58

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: MB 240-86107/1-A Acquired: 5/28/2013 18:08:52 Type: QC
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.40590	.11884	-.16933	.51565	-.36066	F 21.380	-13.670
Stddev	.49144	.19794	.18235	.54070	1.6390	.117	2.593
%RSD	121.07	166.55	107.69	104.86	454.45	.54577	18.971

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						20.000	
Low Limit						-1000.0	

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	3.9619
Stddev	2.3874
%RSD	60.261

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7675.8	5211.4	60724.	9916.0
Stddev	51.3	26.3	779.	42.6
%RSD	.66878	.50438	1.2836	.42931

Sample Name: LCS 240-86107/2-A Acquired: 5/28/2013 18:12:44 Type: QC
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48.107	1847.7	1864.9	948.26	1838.1	45.930	47731.	46.92
Stddev	.659	12.9	5.3	1.49	1.7	.140	157.	.11
%RSD	1.3692	.70005	.28443	.15744	.09450	.30435	.32884	.2448

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	456.35	182.01	229.83	951.79	47465.	894.05	47766.	470.93
Stddev	.29	.25	1.27	2.20	87.	2.29	125.	.48
%RSD	.06287	.13759	.55160	.23107	.18274	.25589	.26124	.10195

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	912.82	47985.	458.66	454.34	464.9	1882.6	1802.3	937.90
Stddev	1.19	60.	.17	.90	2.4	5.8	2.6	1.29
%RSD	.13079	.12588	.03758	.19909	.5196	.31012	.14509	.13752

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: LCS 240-86107/2-A Acquired: 5/28/2013 18:12:44 Type: QC
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1849.6	463.42	487.45	958.38	903.74
Stddev	4.8	.31	.23	12.17	1.18
%RSD	.25968	.06714	.04676	1.2701	.13031

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6983.1	4956.4	58105.	9622.9
Stddev	13.2	12.4	585.	47.5
%RSD	.18928	.25095	1.0060	.49321

Sample Name: 240-24378-L-2-A Acquired: 5/28/2013 18:16:23 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.00787	13.721	19.909	42.843	134.29	-.03402	62800.	.0804
Stddev	.52799	3.871	1.487	.481	.24	.06245	111.	.0198
%RSD	6709.5	28.210	7.4694	1.1229	.17801	183.56	.17738	24.67

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.06813	.99511	21.330	1115.9	1494.2	5.2032	27766.	19.316
Stddev	.11203	.39336	.299	1.9	37.3	1.5443	64.	.083
%RSD	164.43	39.529	1.4024	.16590	2.4964	29.680	.23076	.42984

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.5982	9792.6	.12543	.18802	4.131	.67014	.92765	.30942
Stddev	.2097	19.8	.40775	.75451	.368	1.5557	.22368	.06903
%RSD	2.7595	.20198	325.08	401.30	8.911	232.14	24.113	22.311

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24378-L-2-A Acquired: 5/28/2013 18:16:23 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.5392	.03791	216.92	7755.1	234.76
Stddev	.6687	1.5924	.96	12.2	.68
%RSD	43.448	4200.9	.44077	.15704	.28962

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7144.4	4971.4	57594.	9284.3
Stddev	61.5	41.6	669.	67.4
%RSD	.86024	.83612	1.1622	.72583

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.763%	98.568%	98.125%	98.465%
Range				

Sample Name: Si Acquired: 5/28/2013 18:20:13 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.26406	9.1204	.75293	1.7120	-.09480	-.01681	11.094	.0062
Stddev	.18021	12.898	1.1716	.0731	.07479	.01172	27.825	.1229
%RSD	68.245	141.42	155.60	4.2685	78.886	69.710	250.81	1982.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.23912	-.11933	.18521	-1.5239	40.835	-.24896	14.056	-.02888
Stddev	.13190	.14584	.79070	.8416	13.413	.74640	19.982	.02807
%RSD	55.163	122.21	426.93	55.226	32.848	299.81	142.16	97.205

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.45269	-14.674	-.26655	.05796	1.853	-1.4571	.44439	.32919
Stddev	.06351	14.201	.10099	1.1983	.617	.8971	.07572	.17146
%RSD	14.030	96.774	37.886	2067.3	33.29	61.566	17.040	52.087

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: Si Acquired: 5/28/2013 18:20:13 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.34048	1.1639	-.58908	4732.1	1.3446
Stddev	.20963	2.1088	.05411	42.8	1.4578
%RSD	61.569	181.19	9.1859	.90412	108.42

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7556.8	5127.0	59555.	9672.7
Stddev	42.5	26.8	422.	98.8
%RSD	.56283	.52244	.70838	1.0216

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	102.35%	101.65%	101.47%	102.58%
Range				

Sample Name: CCV Acquired: 5/28/2013 18:24:09 Type: QC
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	984.49	24485.	492.02	4890.2	1960.3	1977.4	50293.	487.9
Stddev	7.59	90.	1.87	6.3	5.3	5.5	370.	.6
%RSD	.77052	.36733	.38002	.12864	.27163	.27566	.73538	.1137

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1912.3	1930.0	1930.7	24745.	49876.	4919.1	50241.	1958.8
Stddev	1.3	17.2	17.3	60.	177.	3.2	380.	8.7
%RSD	.06823	.88986	.89449	.24284	.35503	.06428	.75728	.44567

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1926.3	50371.	1909.0	475.23	485.0	489.78	4819.0	4983.6
Stddev	2.9	151.	1.6	1.88	.9	3.14	16.5	58.5
%RSD	.14898	.29879	.08587	.39581	.1809	.64072	.34310	1.1732

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: CCV Acquired: 5/28/2013 18:24:09 Type: QC
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	973.33	1970.6	1938.0	5292.6	4903.6
Stddev	1.10	10.1	7.7	76.9	19.2
%RSD	.11270	.51306	.39972	1.4528	.39096

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6788.6	4886.0	56284.	9175.8
Stddev	50.6	32.9	439.	239.6
%RSD	.74507	.67397	.78007	2.6108

Sample Name: CCB Acquired: 5/28/2013 18:28:01 Type: QC
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.48403	2.7684	.30294	9.3328	.23568	.14022	-1.1424	.1357
Stddev	.37330	1.7243	.64528	1.3815	.10916	.07636	.9992	.1691
%RSD	77.123	62.286	213.01	14.803	46.315	54.455	87.461	124.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.03154	.46354	1.2018	1.6087	154.25	2.1983	9.3433	.54419
Stddev	.12819	.70479	.9369	.3536	23.04	1.6610	9.3731	.72805
%RSD	406.51	152.04	77.958	21.978	14.937	75.560	100.32	133.79

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.2932	-15.467	.25110	-.26283	3.371	-.85614	1.4805	2.7539
Stddev	.4838	9.797	.51808	.62288	1.062	1.1975	1.0309	1.8813
%RSD	21.098	63.340	206.33	236.99	31.50	139.88	69.632	68.315

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB Acquired: 5/28/2013 18:28:01 Type: QC
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.63256	.73947	-.10829	-7.4148	6.0825
Stddev	.36829	1.5480	.42477	5.8862	3.9627
%RSD	58.222	209.34	392.24	79.384	65.150

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7523.7	5082.5	59319.	9439.8
Stddev	82.9	61.5	595.	71.0
%RSD	1.1018	1.2094	1.0030	.75236

Sample Name: mb 240-87240/1-a Acquired: 5/28/2013 18:31:56 Type: QC
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.99401	7.6530	-.55692	5.3635	.65014	.02112	263.32	.0316
Stddev	.43402	10.410	1.0244	.1445	.09983	.01427	.27	.0824
%RSD	43.663	136.03	183.94	2.6932	15.356	67.571	.10355	260.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.14237	.07773	1.4021	13.541	63.090	.53453	71.729	.64203
Stddev	.08263	.32208	.3394	1.771	39.821	.44225	8.096	.00583
%RSD	58.042	414.34	24.210	13.081	63.117	82.737	11.287	.90837

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.42890	69.068	-.27881	.53881	1.405	-1.8841	.45531	.33810
Stddev	.20004	5.359	.05210	.15767	.535	2.5514	.43078	.23218
%RSD	46.640	7.7587	18.686	29.262	38.08	135.42	94.613	68.670

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: mb 240-87240/1-a Acquired: 5/28/2013 18:31:56 Type: QC
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.70486	-.03170	19.091	-5.2159	2.2198
Stddev	.72541	.79483	.028	4.0057	1.4400
%RSD	102.92	2507.7	.14860	76.797	64.871

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7635.5	5190.6	62239.	9987.7
Stddev	67.7	37.7	107.	80.6
%RSD	.88645	.72608	.17147	.80678

Sample Name: lcs 240-87240/2-a Acquired: 5/28/2013 18:35:48 Type: QC
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	51.350	1997.6	2017.7	1026.4	1975.1	49.693	51204.	50.69
Stddev	.273	7.7	.9	1.5	2.2	.222	297.	.10
%RSD	.53196	.38584	.04536	.14467	.11286	.44755	.57964	.1940

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	491.31	196.74	247.14	1040.8	50825.	968.92	51242.	507.11
Stddev	.55	.72	.37	2.8	232.	1.71	197.	.91
%RSD	.11124	.36460	.15041	.27078	.45572	.17674	.38351	.17927

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	986.02	51347.	494.75	488.29	501.3	2027.0	1941.8	1009.3
Stddev	.96	198.	.40	.95	1.3	1.3	4.4	1.4
%RSD	.09695	.38495	.08073	.19546	.2640	.06309	.22601	.14344

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: lcs 240-87240/2-a Acquired: 5/28/2013 18:35:48 Type: QC
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	TI1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1992.7	502.59	507.05	1051.4	979.93
Stddev	1.6	2.16	.94	20.4	2.02
%RSD	.07985	.43030	.18620	1.9413	.20576

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6938.5	4918.5	57081.	9357.3
Stddev	24.8	16.6	408.	79.6
%RSD	.35791	.33814	.71495	.85019

Sample Name: 190-793-a-2-a Acquired: 5/28/2013 18:39:26 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.64681	53.392	1.4927	114.80	13.692	-.03932	27493.	.0764
Stddev	.06254	8.829	.9332	.01	.268	.01977	122.	.0090
%RSD	9.6686	16.536	62.517	.01107	1.9581	50.284	.44436	11.74

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	112.61	24.047	12.119	344.77	8236.1	-.62890	7518.6	5.0065
Stddev	.25	.077	.433	1.56	24.9	.53499	51.8	.1548
%RSD	.21908	.31865	3.5733	.45261	.30293	85.067	.68875	3.0924

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.9579	31073.	314.34	.56781	1.679	-1.0960	1.3182	.73214
Stddev	.1621	82.	.78	.54671	2.762	1.6863	.3155	.42010
%RSD	5.4799	.26538	.24959	96.285	164.5	153.86	23.931	57.379

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 190-793-a-2-a Acquired: 5/28/2013 18:39:26 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	3.4037	-.29123	299.03	999.41	104.68
Stddev	.9154	1.3842	.56	4.90	1.94
%RSD	26.895	475.28	.18768	.49000	1.8571

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7273.6	5016.2	58721.	9783.4
Stddev	22.7	7.6	1038.	78.1
%RSD	.31172	.15130	1.7677	.79845

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.514%	99.456%	100.04%	103.76%
Range				

Sample Name: 190-793-a-4-a Acquired: 5/28/2013 18:43:14 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.35585	32.486	1.0689	151.72	12.711	-.07000	25549.	.1120
Stddev	.27791	10.952	.8586	.78	.222	.01225	120.	.0905
%RSD	78.099	33.713	80.319	.51148	1.7471	17.505	.47113	80.81

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	89.492	30.500	7.8833	199.16	11510.	.00858	6877.7	3.1128
Stddev	.101	.353	.4908	.43	10.	.90766	16.6	.0289
%RSD	.11287	1.1570	6.2261	.21702	.08284	10580.	.24200	.92866

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.9317	32506.	281.68	.91172	3.091	-.67121	.56215	.10166
Stddev	.1134	24.	.56	1.6185	1.361	.67997	.43059	.28372
%RSD	5.8706	.07322	.20026	177.53	44.04	101.31	76.596	279.10

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 190-793-a-4-a Acquired: 5/28/2013 18:43:14 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.6567	.31349	226.87	960.72	92.501
Stddev	1.0755	1.6752	.38	3.86	1.502
%RSD	40.484	534.38	.16710	.40152	1.6241

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7358.9	5066.5	59754.	10135.
Stddev	24.7	18.5	1202.	63.
%RSD	.33566	.36556	2.0117	.62134

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.669%	100.45%	101.80%	107.49%
Range				

Sample Name: SD 190-793-a-4-a@5 Acquired: 5/28/2013 18:47:03 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.53308	11.592	-.02919	31.058	2.3007	-.05936	4979.7	.0975
Stddev	.20256	5.416	.68354	.254	.0982	.00811	37.1	.0518
%RSD	37.998	46.722	2341.6	.81787	4.2670	13.671	.74483	53.13

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17.294	6.1234	2.9142	39.316	2249.0	-.60238	1397.0	.57251
Stddev	.132	.2910	.1117	.304	43.3	.24469	24.3	.04751
%RSD	.76059	4.7531	3.8323	.77356	1.9254	40.621	1.7389	8.2979

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.59383	6382.9	55.486	.20870	2.520	-1.0025	.36255	.01265
Stddev	.06616	36.7	.415	.42762	2.143	.7318	.39840	.15136
%RSD	11.142	.57494	.74851	204.90	85.03	73.003	109.89	1196.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: SD 190-793-a-4-a@5 Acquired: 5/28/2013 18:47:03 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.42711	-.34351	43.819	186.29	21.632
Stddev	1.0832	1.0689	.167	2.88	1.613
%RSD	253.62	311.17	.38132	1.5478	7.4552

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7556.4	5113.2	58849.	9762.5
Stddev	42.4	33.4	134.	96.9
%RSD	.56081	.65296	.22841	.99302

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	102.34%	101.38%	100.26%	103.54%
Range				

Sample Name: 190-793-a-4-c.ms Acquired: 5/28/2013 18:50:55 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50.054	1939.8	1971.0	1144.6	1925.8	47.930	75057.	49.09
Stddev	.673	8.5	3.1	1.3	6.5	.062	88.	.12
%RSD	1.3444	.43788	.15737	.11106	.33779	.12841	.11774	.2361

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	569.75	220.80	247.98	1187.5	60747.	932.69	56339.	494.20
Stddev	.05	.52	1.19	3.4	38.	2.16	442.	.40
%RSD	.00866	.23327	.47875	.29044	.06213	.23126	.78384	.08057

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	965.69	82150.	769.49	472.49	487.9	1961.0	1887.7	979.75
Stddev	.57	44.	1.40	1.17	2.1	4.5	2.5	.84
%RSD	.05935	.05317	.18253	.24678	.4209	.23082	.13220	.08544

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: 190-793-a-4-c.ms Acquired: 5/28/2013 18:50:55 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1930.1	489.17	719.32	2027.4	1040.7
Stddev	5.6	2.74	2.18	11.3	9.2
%RSD	.29021	.56113	.30320	.55784	.88854

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6824.1	4863.8	56645.	9364.2
Stddev	27.8	16.2	295.	243.4
%RSD	.40700	.33288	.52001	2.5988

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 Value 92.426% 96.436% 96.507% 99.311%
 Range

Sample Name: 190-793-a-4-d msd Acquired: 5/28/2013 18:54:34 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49.425	1942.8	1942.3	1125.6	1908.0	47.700	75303.	48.31
Stddev	.360	20.7	7.9	4.6	4.4	.362	648.	.30
%RSD	.72771	1.0666	.40574	.40654	.23027	.75884	.85988	.6237

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	562.05	220.11	244.80	1180.7	61016.	931.68	56377.	489.63
Stddev	2.23	.63	.23	5.3	453.	4.09	306.	.70
%RSD	.39661	.28481	.09463	.44718	.74292	.43852	.54226	.14366

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	950.24	82000.	758.25	467.02	481.1	1934.4	1865.8	968.60
Stddev	3.20	503.	2.64	2.88	2.9	10.2	9.8	2.34
%RSD	.33666	.61368	.34789	.61621	.6129	.52902	.52767	.24190

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: 190-793-a-4-d msd Acquired: 5/28/2013 18:54:34 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1898.7	486.47	720.44	2026.2	1034.6
Stddev	6.8	3.02	3.00	27.9	2.2
%RSD	.35736	.62107	.41654	1.3771	.21469

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6844.7	4881.2	55775.	9222.5
Stddev	20.1	11.4	208.	118.1
%RSD	.29402	.23303	.37365	1.2807

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 Value 92.705% 96.781% 95.026% 97.809%
 Range

Sample Name: 190-793-a-6-a Acquired: 5/28/2013 18:58:12 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.64995	55.737	1.4070	171.52	15.275	-.04809	28914.
Stddev	.17924	6.526	1.1160	.57	.180	.02980	173.
%RSD	27.577	11.709	79.315	.33316	1.1764	61.968	.59996

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0835	184.40	40.611	19.698	196.82	29596.	.99375
Stddev	.0882	.14	.362	.517	1.18	206.	.89512
%RSD	105.6	.07385	.89077	2.6241	.59742	.69554	90.075

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7103.7	7.6966	4.5563	102390.	457.17	.20894	3.759
Stddev	39.1	.0310	.1414	654.	1.02	.69447	1.402
%RSD	.55073	.40284	3.1045	.63825	.22406	332.38	37.28

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 190-793-a-6-a Acquired: 5/28/2013 18:58:12 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.19009	1.6676	.30333	3.7800	1.8154	589.39	1125.4
Stddev	.85214	.1649	.02780	.9960	1.0436	2.95	7.7
%RSD	448.28	9.8862	9.1661	26.350	57.488	.50128	.68428

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	104.49
Stddev	2.05
%RSD	1.9606

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7125.5	4980.0	58055.	9603.4
Stddev	63.2	46.1	171.	21.2
%RSD	.88739	.92638	.29402	.22088

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.509%	98.738%	98.910%	101.85%
Range				

Sample Name: 190-793-c-8-a Acquired: 5/28/2013 19:02:01 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.41554	669.01	.58381	154.04	17.583	.00192	24947.	.1140
Stddev	.42770	15.72	1.5194	.54	.115	.01114	113.	.0501
%RSD	102.93	2.3495	260.25	.35340	.65370	580.17	.45465	44.00

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.9905	22.692	11.909	1066.6	29872.	.37675	7045.7	17.229
Stddev	.1353	.210	.179	6.7	150.	1.5616	31.3	.065
%RSD	1.6934	.92725	1.5020	.62720	.50200	414.48	.44377	.37532

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.6630	70648.	61.386	.58375	1.240	-.19366	1.1984	.24264
Stddev	.1208	395.	.786	.99676	2.627	1.3324	.7476	.09889
%RSD	2.5896	.55879	1.2811	170.75	211.9	688.01	62.387	40.758

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 190-793-c-8-a Acquired: 5/28/2013 19:02:01 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.5167	2.4434	66.527	859.74	90.445
Stddev	.4272	1.1549	.334	5.93	3.942
%RSD	28.168	47.268	.50227	.69002	4.3588

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7168.7	4994.5	57792.	9259.2
Stddev	46.8	33.4	521.	52.7
%RSD	.65226	.66884	.90234	.56942

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.094%	99.026%	98.461%	98.198%
Range				

Sample Name: 190-825-c-1-a Acquired: 5/28/2013 19:05:49 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.95351	339.20	1.7656	33.450	41.395	-.04639	57686.	.4693
Stddev	.31419	20.64	.3341	.136	.070	.02771	60.	.0103
%RSD	32.951	6.0849	18.922	.40592	.16975	59.726	.10388	2.197

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.41213	8.3143	27.456	953.61	8612.4	-.93598	14911.	17.473
Stddev	.07123	.3219	.680	1.12	62.4	.77845	42.	.083
%RSD	17.284	3.8713	2.4767	.11742	.72509	83.170	.27969	.47404

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.9559	37243.	7.3016	6.8163	1.725	-.36692	5.9707	59.453
Stddev	.1462	51.	.2478	.6168	1.044	.52898	.2203	2.259
%RSD	4.9473	.13588	3.3935	9.0483	60.51	144.17	3.6893	3.7996

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 190-825-c-1-a Acquired: 5/28/2013 19:05:49 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.63021	.63291	559.24	2922.8	194.58
Stddev	.22034	1.1990	1.30	4.7	1.79
%RSD	34.962	189.44	.23189	.16114	.91992

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7297.1	5079.1	59992.	9869.9
Stddev	9.9	9.6	151.	50.4
%RSD	.13586	.18990	.25151	.51065

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.832%	100.70%	102.21%	104.67%
Range				

Sample Name: CCV Acquired: 5/28/2013 19:09:42 Type: QC
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	951.22	24448.	482.37	4750.1	1941.3	1971.1	50155.	475.6
Stddev	3.31	46.	1.43	8.0	4.9	2.5	73.	1.2
%RSD	.34806	.18785	.29634	.16846	.25435	.12919	.14565	.2427

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1869.4	1870.7	1871.5	24655.	49798.	4917.3	49849.	1876.4
Stddev	3.7	9.5	7.0	46.	128.	8.1	140.	28.6
%RSD	.19739	.50895	.37309	.18809	.25689	.16491	.28008	1.5230

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1892.0	50234.	1864.5	468.28	470.2	473.21	4662.2	4785.5
Stddev	4.2	93.	2.9	1.69	1.4	3.24	18.0	72.8
%RSD	.22229	.18449	.15683	.36064	.2883	.68362	.38604	1.5211

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: CCV Acquired: 5/28/2013 19:09:42 Type: QC
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	954.56	1972.3	1894.5	5293.5	4902.2
Stddev	2.23	3.0	3.9	90.3	14.0
%RSD	.23313	.15349	.20366	1.7062	.28519

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6918.0	4957.5	57950.	9253.5
Stddev	42.8	35.1	560.	56.9
%RSD	.61831	.70858	.96584	.61484

Sample Name: CCB Acquired: 5/28/2013 19:13:32 Type: QC
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.0835	9.7617	.02799	9.6068	-.05783	.07520	-.37027	.0597
Stddev	.6370	12.458	.97833	.6463	.07745	.03946	.53913	.0744
%RSD	58.788	127.62	3494.7	6.7278	133.94	52.477	145.60	124.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.07234	.59459	.86933	2.1492	186.46	2.9806	-5.1226	.68696
Stddev	.10027	1.0181	1.0779	.7734	24.96	.7629	10.658	1.0456
%RSD	138.62	171.22	124.00	35.988	13.388	25.595	208.06	152.21

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.4098	4.9735	.01265	.24131	2.704	-.94061	1.4483	2.8440
Stddev	.4300	12.749	.32156	.70995	1.725	.71077	.0904	2.5740
%RSD	17.845	256.35	2542.9	294.20	63.79	75.565	6.2386	90.507

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB Acquired: 5/28/2013 19:13:32 Type: QC
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.43909	-1.2325	-.18128	4.9485	2.7511
Stddev	.52734	1.4487	.08966	1.8177	.5826
%RSD	120.10	117.54	49.458	36.732	21.176

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7532.7	5077.3	59910.	9643.9
Stddev	26.2	20.2	308.	84.7
%RSD	.34770	.39849	.51361	.87848

Sample Name: 190-828-a-1-a Acquired: 5/28/2013 19:17:28 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.58692	159.91	2.8822	3282.7	22.974	-.00799
Stddev	.67156	14.47	1.7884	12.1	.084	.01705
%RSD	114.42	9.0493	62.049	.36937	.36713	213.36

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	34407.	-.0238	.10644	1.8743	15.987	10009.
Stddev	198.	.1323	.09208	.1167	.597	29.
%RSD	.57638	556.8	86.503	6.2243	3.7360	.29214

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	73549.	4.2077	9185.5	3590.1	1.5755	F 1197400.
Stddev	404.	1.3516	11.0	22.6	.1172	10793.
%RSD	.54940	32.122	.11975	.62871	7.4357	.90134

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500000.
Low Limit						-500000.

Sample Name: 190-828-a-1-a Acquired: 5/28/2013 19:17:28 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	39.078	6.1265	.5281	1.3984	4.0724	2.0419
Stddev	.123	1.4463	.2840	1.9918	.1318	.0916
%RSD	.31372	23.606	53.78	142.44	3.2351	4.4834

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.3931	.69493	129.02	1920.6	123.96
Stddev	.4782	.86001	.59	24.2	3.09
%RSD	19.982	123.75	.45744	1.2590	2.4942

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6276.8	4687.9	53443.	9908.6
Stddev	40.0	25.6	703.	27.1
%RSD	.63734	.54706	1.3145	.27321

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	85.013%	92.947%	91.052%	105.09%
Range				

Sample Name: 190-828-a-2-a Acquired: 5/28/2013 19:21:34 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.2760	170.75	1.3717	3125.2	19.510	-.01622
Stddev	.4988	6.88	1.3569	4.4	.374	.05155
%RSD	39.094	4.0293	98.922	.13941	1.9191	317.89

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	35345.	.0542	-.03959	1.5382	78.855	6864.9
Stddev	107.	.1086	.24359	.0382	.613	23.1
%RSD	.30247	200.3	615.20	2.4805	.77778	.33577

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50874.	10.730	9261.5	3285.8	1.6522	F 1115700.
Stddev	140.	.673	27.7	22.6	.1066	23820.
%RSD	.27423	6.2693	.29866	.68873	6.4542	2.1349

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500000.
Low Limit						-500000.

Sample Name: 190-828-a-2-a Acquired: 5/28/2013 19:21:34 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15.848	5.5839	2.509	1.6730	8.2230	.88316
Stddev	.185	.8910	1.963	2.3814	.2779	.07403
%RSD	1.1681	15.956	78.22	142.35	3.3802	8.3824

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.8754	.06159	81.084	1876.7	122.95
Stddev	.8561	.60408	.196	9.8	3.02
%RSD	45.648	980.77	.24114	.52079	2.4569

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6353.3	4739.6	54303.	10012.
Stddev	22.6	8.7	102.	44.
%RSD	.35597	.18264	.18812	.43620

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	86.050%	93.973%	92.517%	106.18%
Range				

Sample Name: 190-828-a-3-a Acquired: 5/28/2013 19:25:40 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.13827	97.162	3.2496	3324.0	12.413	-.00091
Stddev	.35795	9.936	1.0988	7.0	.214	.01044
%RSD	258.88	10.226	33.814	.21026	1.7211	1145.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	34094.	-.0012	.12716	1.2030	51.095	4871.8
Stddev	26.	.0978	.05457	.4872	.457	9.1
%RSD	.07651	8271.	42.913	40.499	.89436	.18654

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	32237.	10.663	9210.1	2189.5	1.7046	F 721140.
Stddev	54.	.631	47.3	10.5	.1229	14126.
%RSD	.16812	5.9207	.51337	.47921	7.2109	1.9589

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500000.
Low Limit						-500000.

Sample Name: 190-828-a-3-a Acquired: 5/28/2013 19:25:40 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11.860	10.015	2.095	1.3050	8.6661	2.4686
Stddev	.405	.645	1.119	2.7986	.6219	.2065
%RSD	3.4170	6.4424	53.42	214.45	7.1761	8.3642

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.62655	.61309	65.453	1371.0	112.12
Stddev	.12929	.71384	.257	5.4	1.89
%RSD	20.635	116.43	.39299	.39741	1.6884

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6361.1	4717.7	52371.	9508.2
Stddev	20.4	8.7	1093.	81.1
%RSD	.32099	.18532	2.0861	.85333

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	86.155%	93.538%	89.225%	100.84%
Range				

Sample Name: 190-829-f-1-a Acquired: 5/28/2013 19:29:43 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.3794	26.201	2.0674	2902.8	11.845	-.03521	32035.
Stddev	.1956	1.364	.4860	1.9	.151	.01320	228.
%RSD	8.2192	5.2069	23.511	.06446	1.2765	37.506	.71179

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0678	.21220	1.2955	300.15	3280.9	20097.	7.3882
Stddev	.0766	.18839	.2005	1.15	25.9	102.	1.0353
%RSD	112.9	88.781	15.479	.38246	.78988	.50983	14.013

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8506.3	1509.5	1.8073	483100.	22.427	32.739	2.270
Stddev	63.6	3.5	.1165	4525.	.105	.469	1.792
%RSD	.74788	.23225	6.4469	.93658	.46954	1.4321	78.94

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 190-829-f-1-a Acquired: 5/28/2013 19:29:43 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .25139	25.504	.30939	1.1207	-1.2182	46.968	1057.0
Stddev	1.9001	1.533	.10221	.4820	.7311	.123	8.2
%RSD	755.83	6.0106	33.037	43.013	60.018	.26121	.77363

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	104.37
Stddev	1.24
%RSD	1.1919

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6577.1	4805.5	54936.	9530.3
Stddev	17.3	14.1	22.	43.8
%RSD	.26252	.29301	.04007	.45961

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	89.080%	95.279%	93.596%	101.07%
Range				

Sample Name: 190-830-f-1-a Acquired: 5/28/2013 19:33:42 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.0472	70.902	.74081	32.606	14.531	-.02987	29136.	.1376
Stddev	.1873	6.802	.37528	1.146	.397	.05584	569.	.0907
%RSD	17.884	9.5930	50.658	3.5157	2.7300	186.96	1.9523	65.92

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.01139	.21032	24.191	11.115	1606.8	4.3229	8078.7	1.3951
Stddev	.19427	.13499	1.357	.892	28.9	.7467	180.3	.0257
%RSD	1705.9	64.182	5.6099	8.0283	1.7992	17.272	2.2316	1.8392

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.60447	6263.0	.37818	-.42404	1.149	-1.6888	.71318	.43012
Stddev	.26530	65.8	.13135	.74692	1.139	1.0835	.27469	.09735
%RSD	43.889	1.0514	34.734	176.14	99.05	64.158	38.517	22.632

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 190-830-f-1-a Acquired: 5/28/2013 19:33:42 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.96375	-.35559	2.6947	903.93	105.48
Stddev	.11611	.53754	.0500	11.89	3.94
%RSD	12.048	151.17	1.8534	1.3148	3.7337

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7561.0	5139.9	58661.	9633.4
Stddev	59.3	41.8	263.	181.0
%RSD	.78443	.81406	.44890	1.8793

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	102.41%	101.91%	99.943%	102.17%
Range				

Sample Name: 190-831-a-1-a Acquired: 5/28/2013 19:37:34 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.03957	88.368	1.5879	29.990	15.175	-.05510	29190.	.1148
Stddev	.06098	13.677	.8237	.351	.140	.04903	137.	.1284
%RSD	154.11	15.478	51.873	1.1719	.92258	88.975	.46895	111.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.02976	.42993	57.792	17.280	1415.8	2.3541	8001.3	1.1003
Stddev	.17408	.19109	1.228	.323	34.7	1.0905	35.0	.0191
%RSD	584.87	44.446	2.1247	1.8675	2.4542	46.323	.43686	1.7347

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.56868	6268.4	.60398	2.0480	1.037	-.82393	1.3837	.73322
Stddev	.10583	4.0	.07648	.6704	.920	.32430	.2221	.08173
%RSD	18.610	.06455	12.663	32.734	88.65	39.360	16.048	11.147

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 190-831-a-1-a Acquired: 5/28/2013 19:37:34 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.34028	1.1770	6.9730	941.17	108.22
Stddev	.64337	.3392	.0680	2.09	.43
%RSD	189.07	28.820	.97574	.22248	.39824

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7295.8	4981.8	58598.	9321.9
Stddev	6.5	10.1	558.	74.3
%RSD	.08859	.20322	.95192	.79734

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.815%	98.774%	99.834%	98.863%
Range				

Sample Name: 190-831-a-2-a Acquired: 5/28/2013 19:41:25 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.49893	405.90	3.0834	99.552	17.833	-.05877	38879.
Stddev	.49332	11.11	.4598	.553	.172	.02165	127.
%RSD	98.876	2.7376	14.913	.55504	.96266	36.835	.32783

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12.15	-.11061	1.3187	22.070	742.06	75950.	2.8043
Stddev	.09	.21777	.1148	.406	1.23	166.	.7524
%RSD	.7360	196.88	8.7060	1.8408	.16613	.21905	26.831

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14020.	31.522	7.4464	149960.	1.6119	26.180	1.589
Stddev	92.	.140	.1300	917.	.3143	.789	1.354
%RSD	.65510	.44392	1.7452	.61121	19.497	3.0152	85.24

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 190-831-a-2-a Acquired: 5/28/2013 19:41:25 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.704	1.0681	.49830	.15114	-.02609	3202.5	1435.2
Stddev	1.580	.0445	.12635	.51066	1.3819	37.9	8.8
%RSD	14.756	4.1700	25.355	337.88	5296.7	1.1828	.61065

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	108.94
Stddev	1.51
%RSD	1.3821

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7000.5	4987.1	58313.	9830.8
Stddev	103.4	72.1	224.	76.9
%RSD	1.4776	1.4455	.38408	.78194

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.815%	98.880%	99.350%	104.26%
Range				

Sample Name: 190-831-a-3-a Acquired: 5/28/2013 19:45:22 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.34167	61.749	.96701	22.268	13.942	-.02332	27603.	.0604
Stddev	.15995	11.614	1.0784	.306	.173	.02853	221.	.1215
%RSD	46.814	18.808	111.52	1.3741	1.2440	122.35	.80016	201.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.13410	.53617	14.998	12.971	1425.6	1.0645	7701.6	.85358
Stddev	.10248	.07912	.728	.419	84.6	1.5129	32.8	.02543
%RSD	76.422	14.757	4.8515	3.2302	5.9322	142.12	.42598	2.9796

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.55341	5718.0	-.03184	1.1939	1.173	-1.6247	.67500	.88392
Stddev	.02263	33.6	.51999	.4797	.902	1.2809	.10439	.15253
%RSD	4.0888	.58764	1633.3	40.180	76.91	78.838	15.465	17.256

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 190-831-a-3-a Acquired: 5/28/2013 19:45:22 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.98840	.67049	8.6983	977.10	98.032
Stddev	.45155	1.7860	.6419	7.07	2.127
%RSD	45.685	266.37	7.3797	.72380	2.1702

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7632.4	5210.0	61477.	9795.6
Stddev	14.9	12.1	355.	100.1
%RSD	.19535	.23161	.57706	1.0214

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	103.37%	103.30%	104.74%	103.89%
Range				

Sample Name: 190-833-a-1-a Acquired: 5/28/2013 19:49:13 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.8025	15.871	1.6609	2858.3	11.564	-.03785	31151.
Stddev	.1353	10.476	1.2386	10.3	.178	.02732	63.
%RSD	7.5082	66.008	74.571	.36079	1.5373	72.185	.20151

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0176	.32742	1.4653	195.74	3056.9	19418.	1.3857
Stddev	.1272	.19792	.1670	1.25	5.7	69.	1.2639
%RSD	721.0	60.447	11.397	.63900	.18597	.35637	91.211

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8304.6	1481.9	1.5972	481150.	22.414	28.259	1.141
Stddev	16.9	5.9	.0552	10995.	.286	1.228	1.680
%RSD	.20366	.39734	3.4564	2.2851	1.2750	4.3459	147.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 190-833-a-1-a Acquired: 5/28/2013 19:49:13 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.23888	17.177	.29416	1.6725	.78050	43.158	1033.4
Stddev	.05047	.634	.03505	.5603	1.1879	.167	3.5
%RSD	21.128	3.6930	11.916	33.499	152.20	.38607	.33469

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	102.82
Stddev	1.14
%RSD	1.1105

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6633.2	4837.4	55034.	9570.7
Stddev	53.0	32.1	223.	23.2
%RSD	.79904	.66300	.40531	.24234

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	89.840%	95.911%	93.764%	101.50%
Range				

Sample Name: 190-833-a-2-a Acquired: 5/28/2013 19:53:11 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.7721	108.07	.69782	1113.5	13.397	-.04588	29527.
Stddev	.1650	4.93	.63901	4.2	.251	.04095	205.
%RSD	9.3120	4.5617	91.572	.37480	1.8727	89.247	.69271

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0176	.16907	1.2773	160.39	1382.9	8689.0	2.7226
Stddev	.1316	.22538	.1913	.76	8.7	156.2	.6794
%RSD	747.1	133.30	14.977	.47330	.62586	1.7976	24.953

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7983.8	572.15	.84356	197990.	9.0572	14.962	1.400
Stddev	67.0	4.04	.15741	996.	.1403	1.046	1.065
%RSD	.83863	.70677	18.660	.50323	1.5489	6.9882	76.05

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 190-833-a-2-a Acquired: 5/28/2013 19:53:11 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.48738	12.871	.36240	1.5681	-1.8946	20.826	953.71
Stddev	1.1175	.475	.11671	.9191	.5038	.049	4.33
%RSD	229.29	3.6874	32.206	58.611	26.593	.23624	.45351

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	105.09
Stddev	2.00
%RSD	1.8994

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6943.6	4944.9	56348.	9662.1
Stddev	18.2	7.7	645.	34.7
%RSD	.26203	.15604	1.1444	.35872

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.045%	98.043%	96.002%	102.47%
Range				

Sample Name: CCV Acquired: 5/28/2013 19:57:11 Type: QC
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	980.16	24346.	505.13	4971.2	1953.6	1972.7	49838.	496.6
Stddev	4.48	120.	.92	9.4	5.9	5.6	339.	1.3
%RSD	.45706	.49468	.18211	.18994	.30089	.28510	.68096	.2521

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1950.6	1942.2	1933.3	24776.	49832.	4934.2	49837.	1969.3
Stddev	1.3	16.2	1.5	79.	194.	13.8	263.	29.8
%RSD	.06502	.83301	.07957	.31809	.38964	.27907	.52713	1.5134

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1978.2	50112.	1946.7	488.20	491.9	491.46	4855.9	4985.6
Stddev	4.0	95.	.8	.85	3.2	1.57	.4	63.2
%RSD	.20135	.18899	.03960	.17507	.6551	.31943	.00793	1.2668

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: CCV Acquired: 5/28/2013 19:57:11 Type: QC
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	994.61	1959.5	1979.3	5159.6	4918.2
Stddev	1.07	10.0	3.4	46.0	12.1
%RSD	.10780	.51011	.17412	.89143	.24518

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6701.1	4794.0	55926.	9423.8
Stddev	28.1	27.6	992.	190.9
%RSD	.41882	.57628	1.7734	2.0255

Sample Name: CCB Acquired: 5/28/2013 20:01:03 Type: QC
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.15016	24.472	-.08514	13.632	.28619	.14189	32.387	.0878
Stddev	.38803	13.892	1.1007	.467	.41154	.09595	54.914	.0752
%RSD	258.41	56.766	1292.8	3.4247	143.80	67.625	169.56	85.68

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.05474	-.02962	.54227	12.522	378.78	5.1858	5.8234	.07205
Stddev	.02262	.33447	.24595	16.922	21.69	.9584	10.122	.02185
%RSD	41.317	1129.0	45.355	135.14	5.7257	18.481	173.83	30.326

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.2515	358.81	6.1983	-.40696	1.802	.17161	1.3196	1.3610
Stddev	.2337	318.75	10.127	.40064	1.564	1.9658	.1768	.0352
%RSD	10.378	88.837	163.39	98.447	86.79	1145.5	13.396	2.5859

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB Acquired: 5/28/2013 20:01:03 Type: QC
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.36645	.70673	2.7019	11.565	4.5794
Stddev	.30601	.18099	4.8503	35.610	2.2694
%RSD	83.508	25.610	179.52	307.90	49.557

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7453.1	5034.1	59704.	9060.6
Stddev	106.1	71.6	258.	284.1
%RSD	1.4242	1.4216	.43200	3.1353

Sample Name: 190-835-a-1-a Acquired: 5/28/2013 20:04:59 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.86850	104.11	.10938	239.78	1.6792	-.05534	30188.
Stddev	.58363	14.65	.84315	.33	.1300	.04001	137.
%RSD	67.200	14.066	770.84	.13669	7.7405	72.297	.45522

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1450	.15033	1.2270	3.0143	1028.4	33067.	2.6799
Stddev	.0971	.11253	.3781	.8731	2.8	102.	1.1254
%RSD	66.95	74.858	30.812	28.965	.26794	.30975	41.993

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2299.1	134.30	18.212	251780.	64.518	-.24571	2.556
Stddev	14.9	.20	.090	2137.	.566	1.3111	1.220
%RSD	.64599	.14671	.49667	.84890	.87720	533.59	47.73

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 190-835-a-1-a Acquired: 5/28/2013 20:04:59 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.5999	12.720	1.3250	1.1139	.61431	40.498	1504.0
Stddev	.3125	.238	.1923	.0925	1.1867	.351	7.6
%RSD	19.531	1.8740	14.512	8.3069	193.18	.86752	.50529

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	36.207
Stddev	.997
%RSD	2.7522

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7234.7	5153.6	59167.	9999.7
Stddev	63.8	45.1	617.	94.9
%RSD	.88234	.87467	1.0421	.94882

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.986%	102.18%	100.81%	106.05%
Range				

Sample Name: 190-836-a-1-a Acquired: 5/28/2013 20:08:56 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.46778	52.333	1.4823	227.84	9.2332	-.04617	37521.
Stddev	.25916	7.693	1.8410	.88	.2465	.05326	192.
%RSD	55.402	14.700	124.20	.38680	2.6698	115.35	.51181

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1529	.14952	.92622	1.7726	946.39	31215.	2.2720
Stddev	.1853	.08014	.30225	.3368	6.49	249.	.3917
%RSD	121.2	53.596	32.633	19.000	.68534	.79812	17.240

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4543.6	118.64	17.067	247420.	54.212	.55845	.2412
Stddev	26.0	.89	.213	491.	.298	.68660	.3020
%RSD	.57183	.75149	1.2455	.19830	.54897	122.95	125.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 190-836-a-1-a Acquired: 5/28/2013 20:08:56 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.1304	12.422	.91874	1.4517	.29938	43.141	1614.3
Stddev	2.0152	.837	.02640	.1714	1.0390	.204	21.1
%RSD	178.27	6.7416	2.8740	11.805	347.04	.47338	1.3073

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	71.641
Stddev	2.440
%RSD	3.4057

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6933.0	4968.0	57369.	9835.7
Stddev	16.4	8.3	289.	71.7
%RSD	.23687	.16780	.50394	.72873

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	93.902%	98.501%	97.740%	104.31%
Range				

Sample Name: 190-840-a-1-a Acquired: 5/28/2013 20:12:52 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.72894	60.714	1.3019	106.90	1.9300	-.03265	25923.	.0123
Stddev	.48982	23.226	1.4070	.60	.2283	.06159	30.	.0528
%RSD	67.196	38.254	108.07	.56031	11.827	188.68	.11688	429.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.01850	1.4572	2.0049	37.559	11647.	2.7362	7398.6	272.70
Stddev	.12637	.1287	.1805	.287	71.	.5921	42.1	.13
%RSD	683.22	8.8304	9.0040	.76456	.60697	21.641	.56931	.04883

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	22.991	59626.	324.55	.34941	2.745	.54254	66.140	.35462
Stddev	.056	77.	.63	1.1776	1.418	1.9923	.648	.08165
%RSD	.24509	.12990	.19282	337.03	51.65	367.21	.97913	23.025

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 190-840-a-1-a Acquired: 5/28/2013 20:12:52 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.6462	.33934	176.44	2194.5	41.166
Stddev	.1398	.74099	.12	2.1	2.946
%RSD	8.4937	218.37	.06965	.09692	7.1574

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7456.7	5163.5	60494.	10062.
Stddev	16.1	10.0	396.	169.
%RSD	.21530	.19443	.65541	1.6798

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.99%	102.38%	103.07%	106.71%
Range				

Sample Name: 190-841-a-1-a Acquired: 5/28/2013 20:16:40 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.88598	154.91	3.0555	110.95	3.2310	-.03651	28062.	.0216
Stddev	.34091	24.31	.8905	.51	.5608	.05335	105.	.1113
%RSD	38.478	15.693	29.144	.45967	17.357	146.13	.37303	516.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.43883	1.4483	4.1174	83.398	11271.	3.7221	7438.1	215.78
Stddev	.22120	.2732	.2464	20.485	104.	.9693	48.7	1.41
%RSD	50.406	18.861	5.9838	24.562	.92521	26.042	.65449	.65448

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	282.29	67145.	622.01	.44899	3.192	-.21859	18.048	.41292
Stddev	.96	622.	.41	.88942	.299	1.3742	.420	.00654
%RSD	.33841	.92688	.06619	198.09	9.375	628.63	2.3257	1.5827

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 190-841-a-1-a Acquired: 5/28/2013 20:16:40 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.92995	-.27287	154.45	2698.2	47.522
Stddev	.59309	.77709	.20	46.8	5.145
%RSD	63.777	284.78	.12802	1.7350	10.826

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7399.4	5138.4	59398.	9891.4
Stddev	6.8	18.2	486.	643.4
%RSD	.09188	.35357	.81791	6.5047

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.22%	101.88%	101.20%	104.90%
Range				

Sample Name: 240-24855-c-2-a Acquired: 5/28/2013 20:20:28 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.3005	1569.3	2.7309	175.67	215.07	-.06740	144680.
Stddev	.3156	22.1	.0972	.32	1.39	.05624	1836.
%RSD	13.717	1.4103	3.5592	.18442	.64608	83.438	1.2687

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.038	1.4361	18.444	180.79	5294.5	24594.	-2.4177
Stddev	.060	.1267	.164	.70	39.9	205.	.6705
%RSD	1.494	8.8236	.89142	.38592	.75426	.83340	27.735

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	29423.	274.58	7.1237	40171.	14.618	12.526	.5919
Stddev	344.	.72	.1845	351.	.268	.895	1.777
%RSD	1.1683	.26267	2.5893	.87402	1.8310	7.1474	300.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24855-c-2-a Acquired: 5/28/2013 20:20:28 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.0479	46.119	20.603	.84389	3.3382	1066.3	5968.5
Stddev	1.5962	.452	.266	.39073	2.5395	2.2	54.2
%RSD	39.432	.97932	1.2908	46.301	76.074	.20373	.90845

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	248.03
Stddev	3.02
%RSD	1.2169

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7269.3	5117.1	60588.	10293.
Stddev	25.2	22.3	219.	121.
%RSD	.34732	.43535	.36068	1.1785

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.455%	101.46%	103.23%	109.16%
Range				

Sample Name: CRI Acquired: 5/28/2013 20:24:24 Type: QC
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.9266	234.76	14.400	195.45	189.15	4.7810	5076.9
Stddev	.2834	12.36	1.235	.51	2.00	.0250	32.6
%RSD	2.8551	5.2640	8.5793	.26059	1.0547	.52335	.64302

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.815	9.2305	9.4734	19.046	206.81	4982.9	48.257
Stddev	.098	.0978	.1755	.147	2.44	46.8	.150
%RSD	2.027	1.0591	1.8527	.77290	1.1790	.93905	.31086

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4971.0	14.851	38.442	5004.1	36.793	9.5153	19.85
Stddev	24.4	.039	.123	48.4	.320	.6576	1.33
%RSD	.49123	.26050	.32029	.96689	.86852	6.9108	6.712

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Sample Name: CRI Acquired: 5/28/2013 20:24:24 Type: QC
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18.274	91.932	F 476.30	18.983	8.8827	51.157	511.78
Stddev	.837	.541	.32	.270	1.4276	.089	3.01
%RSD	4.5778	.58823	.06756	1.4215	16.072	.17475	.58816

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			50.000				
Range			30.500%				

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	51.896
Stddev	2.744
%RSD	5.2867

Check ?	None
Value	
Range	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7594.9	5178.3	60142.	9844.6
Stddev	10.0	8.2	288.	121.5
%RSD	.13168	.15901	.47859	1.2341

Sample Name: 240-24612-B-17-A Acquired: 5/28/2013 20:28:11 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .75400	71700.	27.503	39.152	2697.3	2.5911	67410.
Stddev	.14248	296.	1.019	.415	8.7	.0158	685.
%RSD	18.897	.41253	3.7066	1.0610	.32334	.60803	1.0165

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.275	70.204	139.00	390.90	118600.	5574.5	48.745
Stddev	.032	.247	.70	2.18	1493.	25.0	.860
%RSD	2.475	.35135	.50513	.55715	1.2590	.44879	1.7645

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	41060.	2762.5	8.5976	2559.9	189.96	2497.3	18.04
Stddev	186.	17.7	.1628	18.0	.48	1.8	1.23
%RSD	.45219	.63990	1.8931	.70192	.25064	.07191	6.835

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24612-B-17-A Acquired: 5/28/2013 20:28:11 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.98729	21.946	2643.6	.56295	233.58	555.41	1848.1
Stddev	1.6866	.050	12.4	.15356	1.35	1.34	15.5
%RSD	170.84	.22721	.47084	27.278	.57892	.24119	.84067

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	615.78
Stddev	3.93
%RSD	.63787

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7250.6	5584.7	65285.	11010.
Stddev	37.6	20.5	363.	101.
%RSD	.51844	.36651	.55615	.91347

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.202%	110.73%	111.23%	116.77%
Range				

Sample Name: 240-24612-B-20-A Acquired: 5/28/2013 20:32:23 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.0485	51240.	34.489	28.879	549.73	2.8516	51600.
Stddev	.4422	67.	1.779	.412	1.29	.0092	154.
%RSD	42.176	.13116	5.1590	1.4283	.23385	.32173	.29864

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.7990	62.421	143.69	120.64	117070.	4806.9	44.299
Stddev	.0181	.117	.80	.44	49.	9.9	1.396
%RSD	2.267	.18764	.55589	.36431	.04213	.20621	3.1505

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	29571.	3428.7	2.2109	654.87	141.44	48.088	.8744
Stddev	61.	43.6	.2244	16.44	.57	1.502	.7879
%RSD	.20737	1.2720	10.149	2.5110	.40138	3.1228	90.10

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24612-B-20-A Acquired: 5/28/2013 20:32:23 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.40846	15.808	2286.9	-.28436	215.42	264.14	1572.2
Stddev	2.9225	.234	4.1	1.1297	1.52	.84	4.0
%RSD	715.49	1.4804	.17879	397.28	.70694	.31874	.25371

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	137.50
Stddev	2.83
%RSD	2.0557

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7211.2	5567.1	65903.	11096.
Stddev	15.8	9.5	804.	57.
%RSD	.21938	.17000	1.2200	.51685

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.669%	110.38%	112.28%	117.68%
Range				

Sample Name: CRI Acquired: 5/28/2013 20:36:28 Type: QC
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.9345	209.67	14.385	197.20	190.32	4.8577	4993.1
Stddev	.1358	6.94	1.681	.36	.47	.1104	30.5
%RSD	1.3672	3.3119	11.684	.18468	.24545	2.2718	.61145

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.874	9.3862	9.7768	20.147	216.03	4926.8	47.272
Stddev	.112	.1558	.2881	.908	1.35	14.8	.858
%RSD	2.291	1.6601	2.9467	4.5087	.62337	.30132	1.8149

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5065.4	16.583	39.223	5006.1	37.561	10.808	21.31
Stddev	22.5	1.841	.152	12.1	.384	.593	1.03
%RSD	.44493	11.100	.38671	.24096	1.0219	5.4903	4.832

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Sample Name: CRI Acquired: 5/28/2013 20:36:28 Type: QC
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17.977	93.985	F 490.20	19.590	8.6802	48.869	505.06
Stddev	2.335	.083	1.27	.420	2.0267	.505	1.75
%RSD	12.991	.08813	.25836	2.1454	23.349	1.0339	.34744

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			50.000				
Range			30.500%				

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	50.365
Stddev	.507
%RSD	1.0060

Check ?	None
Value	
Range	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7549.2	5136.5	58994.	9537.9
Stddev	69.7	49.7	261.	102.1
%RSD	.92271	.96687	.44290	1.0702

Sample Name: 240-24736-F-4-A Acquired: 5/28/2013 20:40:13 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.2334	151940.	47.574	11.814	684.45	8.6610	70573.
Stddev	.3059	148.	2.325	.229	1.44	.0209	1356.
%RSD	24.799	.09770	4.8863	1.9405	.21032	.24090	1.9214

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0979	115.26	156.88	119.09	309230.	8463.6	163.99
Stddev	.0925	.37	.36	.55	4333.	9.9	1.92
%RSD	94.41	.32391	.23106	.46290	1.4011	.11668	1.1690

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	31287.	10574.	1.7878	1066.7	286.25	78.701	-1.713
Stddev	94.	36.	.0953	10.0	.59	.602	.505
%RSD	.30116	.34459	5.3289	.93313	.20569	.76527	29.48

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24736-F-4-A Acquired: 5/28/2013 20:40:13 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.4858	19.171	172.25	7.7985	174.60	621.68	1249.6
Stddev	2.4138	.513	.24	1.4537	.28	1.31	12.5
%RSD	53.811	2.6736	.13935	18.640	.16207	.21108	.99787

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	363.43
Stddev	.38
%RSD	.10344

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7006.7	W 7166.1	W 81976.	W 13617.
Stddev	18.8	8.0	262.	114.
%RSD	.26812	.11208	.31902	.83825

Check ?	Chk Pass	Chk Warn	Chk Warn	Chk Warn
Value	94.899%	142.08%	139.66%	144.42%
Range		30.500%	30.500%	30.500%

Sample Name: CCV Acquired: 5/28/2013 20:44:26 Type: QC
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	966.75	24037.	491.23	4893.9	1927.0	1948.1	49247.	487.9
Stddev	.55	191.	1.51	5.7	18.0	15.0	410.	.6
%RSD	.05699	.79510	.30742	.11608	.93396	.77143	.83333	.1214

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1904.0	1891.9	1904.4	24466.	48957.	4859.5	49371.	1910.6
Stddev	1.0	2.4	2.5	167.	389.	42.4	349.	16.6
%RSD	.05123	.12613	.13196	.68452	.79368	.87278	.70671	.86805

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1937.7	49489.	1900.0	474.61	486.3	489.37	4749.6	4905.4
Stddev	1.5	475.	.9	1.86	.4	2.73	7.2	10.0
%RSD	.07734	.95928	.04961	.39173	.0774	.55860	.15076	.20292

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: CCV Acquired: 5/28/2013 20:44:26 Type: QC
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	970.03	1937.1	1911.7	5105.3	4849.9
Stddev	1.74	16.3	5.3	77.3	29.0
%RSD	.17965	.83921	.27826	1.5133	.59726

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7008.7	5012.6	58261.	9478.9
Stddev	28.4	21.0	257.	57.4
%RSD	.40550	.41870	.44088	.60553

Sample Name: CCB Acquired: 5/28/2013 20:48:21 Type: QC
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.16932	15.627	.24638	9.0302	.04221	.10395	-.54513	.0405
Stddev	.13689	9.700	1.4363	.6585	.12268	.02332	.72795	.0790
%RSD	80.845	62.071	582.96	7.2925	290.66	22.431	133.54	195.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.12851	-.07203	.41891	9.3272	197.65	1.3341	-.21017	.28357
Stddev	.02960	.05755	.79608	.7187	18.74	.1241	.80843	.00944
%RSD	23.032	79.905	190.04	7.7050	9.4833	9.3014	384.65	3.3280

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.0147	42.045	.10530	-.43056	.2669	-1.3178	.89371	1.4660
Stddev	.1840	19.113	.15132	1.4723	.3066	1.1621	.07765	.2776
%RSD	9.1316	45.458	143.71	341.95	114.9	88.182	8.6885	18.936

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB Acquired: 5/28/2013 20:48:21 Type: QC
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.02158	.01231	-.02093	-4.8805	1.5865
Stddev	.60639	1.6318	.05483	2.5226	4.2587
%RSD	2810.2	13259.	262.03	51.687	268.43

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7778.1	5257.8	60984.	9578.9
Stddev	83.1	48.1	941.	375.1
%RSD	1.0684	.91578	1.5437	3.9157

Sample Name: MB 240-87262/1-A Acquired: 5/28/2013 20:52:16 Type: QC
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.60153	1.7806	-.26689	5.7820	.29412	.01038	186.76	.1699
Stddev	.19083	6.4119	.50540	.4760	.18861	.03011	2.09	.0498
%RSD	31.724	360.09	189.37	8.2317	64.129	290.21	1.1189	29.31

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.00740	.31731	1.0201	17.178	138.76	.23700	37.946	.84336
Stddev	.28745	.44557	.9509	.789	26.42	.76893	8.489	.01375
%RSD	3884.9	140.42	93.210	4.5918	19.038	324.44	22.371	1.6302

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.49320	71.038	.18957	1.0320	.4392	-.01022	25.434	.41116
Stddev	.07814	17.017	.40775	.7167	.8308	3.5084	.540	.15708
%RSD	15.843	23.955	215.09	69.445	189.2	34343.	2.1223	38.203

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: MB 240-87262/1-A Acquired: 5/28/2013 20:52:16 Type: QC
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.37715	.47360	6.6628	-5.1473	1.8810
Stddev	.22053	1.9709	.0637	2.4141	3.7137
%RSD	58.473	416.16	.95624	46.900	197.43

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7537.1	5115.1	61354.	9787.1
Stddev	45.2	27.0	431.	161.0
%RSD	.59907	.52697	.70302	1.6454

Sample Name: LCS 240-87262/2-A Acquired: 5/28/2013 20:56:09 Type: QC
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	44.486	1673.4	1695.6	845.50	1681.2	41.904	43185.	43.01
Stddev	.441	17.3	5.1	2.71	5.8	.133	76.	.26
%RSD	.99136	1.0315	.29905	.32057	.34793	.31778	.17531	.6100

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	411.91	166.30	207.55	872.18	43678.	832.64	43100.	429.11
Stddev	1.68	.11	1.08	1.78	118.	1.53	112.	.88
%RSD	.40665	.06370	.51985	.20417	.27086	.18346	.25921	.20467

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	847.46	44034.	414.02	420.03	417.9	1690.3	1648.1	855.66
Stddev	1.22	69.	.91	.95	1.9	1.9	9.1	1.24
%RSD	.14412	.15573	.22054	.22556	.4522	.11018	.55137	.14436

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: LCS 240-87262/2-A Acquired: 5/28/2013 20:56:09 Type: QC
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1730.8	423.39	419.80	848.64	836.52
Stddev	10.0	1.68	1.86	3.18	3.17
%RSD	.57846	.39791	.44292	.37458	.37909

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7104.4	4997.0	57402.	9483.2
Stddev	43.1	16.8	119.	84.4
%RSD	.60704	.33648	.20681	.89047

Sample Name: 240-24831-C-17-A Acquired: 5/28/2013 20:59:47 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.6381	54652.	43.818	43.287	350.40	3.3000	32242.
Stddev	.3900	505.	.417	.187	4.38	.0410	247.
%RSD	10.720	.92332	.95066	.43170	1.2505	1.2438	.76545

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.792	74.695	132.10	7537.0	107470.	2982.3	49.402
Stddev	.178	.242	.91	16.2	1908.	35.8	1.000
%RSD	9.923	.32337	.69220	.21550	1.7754	1.2001	2.0233

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47492.	1897.2	3.7403	892.76	248.07	665.91	3.691
Stddev	303.	3.1	.0143	37.46	1.02	2.03	2.702
%RSD	.63858	.16168	.38104	4.1964	.41304	.30520	73.22

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24831-C-17-A Acquired: 5/28/2013 20:59:47 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.6541	45.091	4202.9	1.2546	183.50	1121.5	1508.0
Stddev	2.7364	.868	19.4	.2746	.83	.7	40.9
%RSD	41.124	1.9240	.46255	21.888	.45443	.06662	2.7123

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	154.11
Stddev	3.38
%RSD	2.1941

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7218.1	5412.8	63076.	10585.
Stddev	15.3	11.4	549.	29.
%RSD	.21260	.21013	.86992	.27140

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.763%	107.32%	107.46%	112.26%
Range				

Sample Name: sd 240-24831-C-17-@5 Acquired: 5/28/2013 21:04:00 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.7265	11525.	8.8811	11.483	72.737	.66223	6731.5	.5335
Stddev	.1770	58.	.4486	.128	.176	.02403	24.0	.0825
%RSD	10.249	.49901	5.0516	1.1130	.24139	3.6294	.35634	15.46

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14.692	28.353	1576.5	23228.	619.95	9.3331	10069.	405.12
Stddev	.036	.486	1.7	41.	23.65	.7407	58.	.98
%RSD	.24834	1.7144	.11037	.17829	3.8153	7.9362	.58015	.24126

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.78074	179.18	49.302	144.03	.4642	.48463	9.4185	892.24
Stddev	.04474	5.35	.159	.40	.9485	1.4148	.2001	.83
%RSD	5.7302	2.9848	.32308	.28047	204.3	291.93	2.1243	.09289

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: sd 240-24831-C-17-@5 Acquired: 5/28/2013 21:04:00 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.18182	39.354	222.51	304.53	34.590
Stddev	.55664	.935	1.67	3.63	1.542
%RSD	306.15	2.3760	.74967	1.1905	4.4567

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7693.2	5341.5	63379.	10264.
Stddev	107.4	75.1	300.	194.
%RSD	1.3956	1.4051	.47408	1.8866

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 Value 104.20% 105.91% 107.98% 108.85%
 Range

Sample Name: 240-24831-C-17-B MS Acquired: 5/28/2013 21:07:49 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	44.802	68906.	1685.9	862.64	2218.6	45.011	88687.
Stddev	.689	841.	.8	.46	24.0	.495	900.
%RSD	1.5378	1.2207	.04770	.05345	1.0814	1.0994	1.0145

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	43.66	518.62	288.54	10274.	108660.	46045.	866.92
Stddev	.14	.46	2.98	91.	1897.	506.	10.56
%RSD	.3217	.08807	1.0342	.88293	1.7454	1.0987	1.2183

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	86891.	2328.4	793.64	42955.	679.65	1347.4	196.3
Stddev	998.	66.8	.75	528.	.70	2.9	1.0
%RSD	1.1481	2.8710	.09490	1.2302	.10305	.21859	.5207

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24831-C-17-B MS Acquired: 5/28/2013 21:07:49 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1595.2	1678.3	7138.7	1730.9	632.06	1266.4	3107.3
Stddev	4.9	2.8	71.9	4.1	6.88	2.7	48.8
%RSD	.30566	.16440	1.0072	.23701	1.0887	.21540	1.5702

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1019.5
Stddev	15.6
%RSD	1.5342

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6779.2	5308.6	61910.	10747.
Stddev	28.2	18.7	380.	138.
%RSD	.41588	.35221	.61331	1.2881

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.818%	105.25%	105.48%	113.97%
Range				

Sample Name: 240-24831-C-17-C MSD Acquired: 5/28/2013 21:12:02 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	44.200	54353.	1670.7	827.51	2074.1	45.083	77702.	42.45
Stddev	.044	52.	3.1	.76	2.8	.066	894.	.04
%RSD	.09958	.09475	.18541	.09190	.13671	.14544	1.1500	.1034

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	499.04	270.34	10991.	92341.	45563.	853.41	72508.	2062.4
Stddev	.32	.75	29.	160.	39.	1.09	334.	21.4
%RSD	.06451	.27848	.26356	.17311	.08631	.12778	.46035	1.0381

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	794.66	42418.	600.77	1138.9	208.8	1564.4	1736.6	4971.4
Stddev	.89	26.	.55	.9	.8	3.1	4.2	69.4
%RSD	.11150	.06105	.09194	.08031	.3884	.19699	.24361	1.3960

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: 240-24831-C-17-C MSD Acquired: 5/28/2013 21:12:02 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1734.7	600.24	1212.9	3546.9	1007.5
Stddev	1.0	2.38	1.9	42.9	3.6
%RSD	.05601	.39681	.15827	1.2109	.36001

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6744.3	5261.1	60644.	9967.5
Stddev	16.3	8.8	103.	162.2
%RSD	.24204	.16700	.16908	1.6272

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.345%	104.31%	103.32%	105.71%
Range				

Sample Name: 240-24831-B-1-A Acquired: 5/28/2013 21:16:06 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.2678	45556.	55.420	63.312	465.21	5.0089	55021.
Stddev	.3034	157.	1.520	.490	9.37	.2338	283.
%RSD	4.8402	.34406	2.7422	.77446	2.0135	4.6679	.51486

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.087	54.880	92.901	8276.0	118360.	2953.1	63.485
Stddev	.146	.141	.168	10.1	2550.	200.1	4.543
%RSD	13.41	.25730	.18131	.12205	2.1546	6.7774	7.1561

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	27388.	1762.3	5.4786	902.47	128.83	374.76	-.0889
Stddev	102.	4.9	.1331	232.25	.41	1.87	.6668
%RSD	.37168	.27916	2.4298	25.735	.31696	.49939	750.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24831-B-1-A Acquired: 5/28/2013 21:16:06 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.3953	27.184	3912.3	.80805	213.93	418.46	1258.9
Stddev	.6620	.358	29.5	.92689	2.06	1.11	7.0
%RSD	15.061	1.3172	.75400	114.71	.96285	.26501	.55993

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	298.81
Stddev	.98
%RSD	.32865

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7258.7	5410.6	63460.	10445.
Stddev	19.6	8.6	574.	273.
%RSD	.26977	.15981	.90374	2.6151

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.313%	107.28%	108.12%	110.77%
Range				

Sample Name: 240-24831-B-2-A Acquired: 5/28/2013 21:20:09 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.08574	29315.	34.433	47.742	357.93	3.6282	14959.	.4764
Stddev	.57696	146.	1.440	.503	.53	.0169	70.	.0794
%RSD	672.91	.49722	4.1808	1.0546	.14891	.46474	.46593	16.66

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	27.226	49.188	^ *****	60706.	2299.0	41.816	9901.4	1040.9
Stddev	.097	1.369	-----	155.	12.1	.233	53.0	5.2
%RSD	.35693	2.7821	-----	.25576	.52720	.55756	.53478	.50160

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.8941	716.95	74.064	k 4039.0	1.114	2.4555	15.350	1628.4
Stddev	.1148	18.50	.062	3.2	.602	1.4764	.427	28.2
%RSD	2.9485	2.5800	.08322	.07871	54.01	60.124	2.7843	1.7304

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24831-B-2-A Acquired: 5/28/2013 21:20:09 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-1.0725	122.63	156.79	1621.0	304.77
Stddev	.5315	1.27	.51	6.7	2.48
%RSD	49.557	1.0368	.32219	.41618	.81524

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7317.7	5424.9	62971.	10220.
Stddev	22.4	14.6	468.	110.
%RSD	.30634	.26845	.74327	1.0717

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.112%	107.56%	107.29%	108.38%
Range				

Sample Name: 240-24831-B-3-A Acquired: 5/28/2013 21:23:58 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.7831	25050.	18.226	35.943	346.96	2.4412	12256.	.8437
Stddev	.1954	42.	.750	.113	.83	.0197	8.	.0858
%RSD	7.0200	.16742	4.1159	.31554	.23990	.80819	.06232	10.17

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	25.409	52.431	2685.0	62554.	3056.1	38.885	12784.	1546.7
Stddev	.161	.242	4.7	94.	13.3	1.309	9.	3.6
%RSD	.63173	.46105	.17340	.15023	.43672	3.3666	.06874	.23499

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.3294	350.37	63.984	145.32	3.454	.00388	15.087	1625.8
Stddev	.1422	5.45	.105	.47	.888	.93819	.471	3.2
%RSD	4.2714	1.5552	.16402	.32350	25.70	24164.	3.1211	.19870

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: 240-24831-B-3-A Acquired: 5/28/2013 21:23:58 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.66139	127.86	169.78	1255.2	115.27
Stddev	.85678	1.78	.18	5.4	1.00
%RSD	129.54	1.3951	.10508	.43105	.86325

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7454.5	5391.9	62619.	10140.
Stddev	6.6	10.3	237.	49.
%RSD	.08911	.19009	.37831	.48669

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.96%	106.91%	106.69%	107.54%
Range				

Sample Name: 240-24831-B-4-A Acquired: 5/28/2013 21:27:45 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.2088	52242.	80.145	66.249	515.47	5.2270	48059.
Stddev	.3414	38.	.761	.199	.49	.0396	83.
%RSD	5.4990	.07324	.94996	.30078	.09596	.75750	.17295

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.446	66.070	119.84	13061.	129750.	4289.9	62.148
Stddev	.129	.526	.15	17.	1840.	12.1	1.183
%RSD	5.263	.79582	.12838	.13295	1.4183	.28159	1.9031

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	43071.	1865.5	4.4571	742.39	164.71	795.93	2.679
Stddev	125.	6.2	.1513	6.92	.81	1.84	2.170
%RSD	.28974	.33417	3.3955	.93234	.49364	.23080	81.02

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24831-B-4-A Acquired: 5/28/2013 21:27:45 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.7316	32.854	4478.1	-.07904	228.66	946.82	1595.4
Stddev	.8820	.359	8.9	.85292	1.50	1.89	15.4
%RSD	23.635	1.0932	.19826	1079.1	.65702	.19913	.96623

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	261.61
Stddev	1.40
%RSD	.53466

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7233.9	5489.2	64694.	10609.
Stddev	28.2	21.9	69.	99.
%RSD	.39051	.39904	.10605	.92957

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.976%	108.84%	110.22%	112.51%
Range				

Sample Name: CCV Acquired: 5/28/2013 21:31:59 Type: QC
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	963.22	23952.	485.97	4815.5	1886.6	1930.0	49285.	480.8
Stddev	.99	97.	2.21	10.8	10.2	15.8	308.	.9
%RSD	.10297	.40639	.45549	.22514	.53913	.81740	.62569	.1847

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1895.3	1902.4	1877.6	24308.	48322.	4770.3	49349.	1915.9
Stddev	2.7	2.1	1.1	333.	389.	33.6	362.	6.0
%RSD	.14127	.11244	.06063	1.3687	.80531	.70399	.73389	.31539

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1903.0	48904.	1891.6	472.28	476.0	481.19	4775.2	4828.3
Stddev	.5	342.	4.4	1.30	2.1	1.04	14.4	48.9
%RSD	.02627	.69910	.23346	.27445	.4385	.21711	.30146	1.0118

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: CCV Acquired: 5/28/2013 21:31:59 Type: QC
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	960.24	1921.2	1930.0	5117.8	4787.3
Stddev	.80	11.9	10.1	51.4	39.2
%RSD	.08340	.61687	.52347	1.0040	.81955

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6941.1	4995.0	57060.	9337.7
Stddev	59.2	37.8	186.	149.1
%RSD	.85312	.75592	.32648	1.5968

Sample Name: CCB Acquired: 5/28/2013 21:35:49 Type: QC
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.35861	10.118	1.0749	8.8070	.00880	.04126	-5.5550	.0083
Stddev	.31829	16.216	.5105	.5479	.08737	.04819	1.7903	.0515
%RSD	88.755	160.27	47.490	6.2212	993.44	116.79	32.229	619.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.11468	-.02670	.54575	4.7387	151.91	2.2022	13.335	.06744
Stddev	.06597	.26415	.63365	1.3317	29.56	.4522	2.551	.00636
%RSD	57.524	989.23	116.11	28.103	19.456	20.535	19.126	9.4299

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.8102	24.628	.09746	.31191	2.126	-2.2847	1.3931	1.3004
Stddev	.0626	12.390	.01797	.42313	1.227	1.7141	.0942	.0804
%RSD	3.4582	50.309	18.441	135.66	57.68	75.026	6.7633	6.1845

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB Acquired: 5/28/2013 21:35:49 Type: QC
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.47348	-.04490	.03276	-11.458	2.6121
Stddev	.67624	2.2105	.08846	4.635	3.0441
%RSD	142.82	4922.7	270.01	40.451	116.54

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7652.1	5192.7	60507.	9548.3
Stddev	5.2	3.8	139.	44.9
%RSD	.06845	.07345	.23014	.46985

Sample Name: 240-24831-B-5-A Acquired: 5/28/2013 21:39:45 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.2507	44010.	55.860	66.228	479.47	4.1496	42515.
Stddev	.0290	146.	.355	.289	1.16	.0331	143.
%RSD	.46458	.33137	.63520	.43710	.24135	.79873	.33522

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.905	49.035	87.070	12768.	104370.	4092.9	53.462
Stddev	.046	.086	.221	10.	142.	8.6	.852
%RSD	1.576	.17440	.25429	.07836	.13557	.20958	1.5933

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	25647.	1505.9	4.4282	697.86	125.37	660.38	2.816
Stddev	51.	2.5	.2949	12.28	.31	2.84	1.864
%RSD	.20034	.16709	6.6591	1.7593	.24385	.43041	66.18

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24831-B-5-A Acquired: 5/28/2013 21:39:45 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.1900	34.614	3877.0	.11769	191.52	726.31	1554.9
Stddev	2.5538	.476	28.9	.93692	1.90	.84	.6
%RSD	80.057	1.3756	.74503	796.11	.99396	.11538	.03879

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	244.65
Stddev	2.47
%RSD	1.0106

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7273.6	5446.5	64015.	10383.
Stddev	15.0	6.3	205.	25.
%RSD	.20618	.11491	.31968	.23596

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.514%	107.99%	109.06%	110.12%
Range				

Sample Name: 240-24831-B-6-A Acquired: 5/28/2013 21:43:39 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.9548	140210.	24.801	206.13	111.93	2.7672	216170.
Stddev	.2726	307.	2.217	.45	.13	.0496	2952.
%RSD	4.5784	.21928	8.9378	.21620	.11594	1.7939	1.3656

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.493	231.07	291.68	9071.2	183380.	1410.3	43.748
Stddev	.191	.81	.56	4.7	890.	19.1	.828
%RSD	12.80	.35221	.19265	.05155	.48522	1.3563	1.8937

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	157340.	4074.0	4.0970	2830.7	762.02	156.76	-.5980
Stddev	332.	26.5	.1480	27.6	1.60	1.55	4.400
%RSD	.21097	.65058	3.6133	.97429	.20956	.98694	735.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24831-B-6-A Acquired: 5/28/2013 21:43:39 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .99554	24.810	15247.	-2.6899	403.62	699.85	1439.6
Stddev	1.7223	.335	119.	.7331	.34	1.66	13.4
%RSD	173.00	1.3508	.77861	27.255	.08475	.23694	.92788

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	158.05
Stddev	1.59
%RSD	1.0068

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6547.6	5285.8	61323.	10379.
Stddev	19.1	13.8	438.	12.
%RSD	.29231	.26077	.71419	.11790

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	88.681%	104.80%	104.48%	110.07%
Range				

Sample Name: 240-24831-B-7-A Acquired: 5/28/2013 21:47:57 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14.313	37634.	55.851	56.249	450.88	3.9505	29859.	2.228
Stddev	.062	103.	1.026	.112	.43	.0537	54.	.192
%RSD	.43339	.27286	1.8375	.19995	.09437	1.3580	.17967	8.595

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	46.329	85.523	17447.	97368.	3073.7	41.930	25718.	1582.4
Stddev	.196	.179	102.	154.	13.6	.992	72.	4.7
%RSD	.42322	.20970	.58440	.15765	.44268	2.3665	.28151	.29388

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.2997	929.27	124.66	862.79	6.461	3.4139	88.901	3523.7
Stddev	.0701	5.73	.62	.52	.535	.8623	.274	52.2
%RSD	1.6294	.61658	.49999	.06080	8.274	25.259	.30808	1.4826

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24831-B-7-A Acquired: 5/28/2013 21:47:57 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.38601	183.48	782.82	1649.6	192.41
Stddev	.64572	1.42	1.78	10.0	4.04
%RSD	167.28	.77614	.22705	.60568	2.1007

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7289.1	5397.2	63410.	10061.
Stddev	32.2	26.3	166.	11.
%RSD	.44193	.48722	.26242	.11325

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.723%	107.01%	108.03%	106.70%
Range				

Sample Name: 240-24831-B-8-A Acquired: 5/28/2013 21:51:57 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.3353	44493.	78.717	44.993	548.39	4.6235	18888.	1.676
Stddev	.2834	147.	.907	.373	.58	.0709	61.	.049
%RSD	21.223	.33027	1.1521	.82924	.10519	1.5326	.32436	2.930

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	38.551	86.075	6063.5	87848.	4323.8	64.840	17338.	2010.0
Stddev	.039	.353	4.0	141.	13.8	.937	66.	10.6
%RSD	.10045	.40983	.06549	.15999	.31891	1.4449	.37888	.52573

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.1656	455.51	99.497	589.92	3.496	6.8470	25.585	2057.8
Stddev	.0468	12.47	.039	2.10	1.229	2.1794	.361	3.5
%RSD	1.4768	2.7385	.03902	.35611	35.16	31.830	1.4120	.16779

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24831-B-8-A Acquired: 5/28/2013 21:51:57 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.33533	174.09	732.25	1592.5	204.83
Stddev	1.0541	1.29	1.84	7.6	.20
%RSD	314.36	.73890	.25191	.47592	.09693

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7449.8	5585.4	64225.	10243.
Stddev	15.3	20.2	257.	19.
%RSD	.20565	.36171	.40008	.18120

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.90%	110.74%	109.42%	108.63%
Range				

Sample Name: 240-24831-B-9-A Acquired: 5/28/2013 21:55:52 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.5969	38445.	19.046	36.348	154.06	2.7234	19919.	.7391
Stddev	.0702	123.	.155	.038	.39	.0336	44.	.1110
%RSD	1.5278	.31998	.81282	.10509	.25568	1.2321	.22325	15.02

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	43.324	78.043	20020.	76026.	2790.2	41.153	30137.	824.52
Stddev	.305	.389	236.	32.	32.6	.991	15.	4.12
%RSD	.70368	.49785	1.1782	.04271	1.1676	2.4081	.04979	.50021

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.6447	322.21	125.35	344.33	-.3443	.37696	18.098	4420.6
Stddev	.1352	9.58	.13	.56	.9404	.91186	.387	35.9
%RSD	3.7107	2.9720	.10714	.16312	273.2	241.90	2.1378	.81297

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24831-B-9-A Acquired: 5/28/2013 21:55:52 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-1.3864	158.04	193.47	1299.4	96.713
Stddev	.1326	2.01	.12	3.0	1.264
%RSD	9.5642	1.2747	.06237	.23140	1.3067

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7317.5	5457.9	64080.	10227.
Stddev	13.2	9.8	274.	56.
%RSD	.18017	.17976	.42750	.55184

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.108%	108.22%	109.18%	108.46%
Range				

Sample Name: 240-24831-B-10-A Acquired: 5/28/2013 21:59:57 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.1946	42401.	106.58	53.938	579.55	4.7311	25339.
Stddev	.4169	152.	.62	.248	.94	.0728	71.
%RSD	5.0879	.35950	.58071	.46007	.16172	1.5391	.27867

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.502	51.037	98.957	21626.	119220.	3507.4	51.496
Stddev	.118	.051	.220	160.	819.	30.9	.282
%RSD	3.360	.10001	.22200	.74185	.68715	.88173	.54735

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	27016.	1634.3	7.4942	608.78	147.31	1097.4	4.178
Stddev	56.	4.6	.2864	3.52	.09	.8	1.987
%RSD	.20865	.28429	3.8214	.57785	.06278	.07009	47.55

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24831-B-10-A Acquired: 5/28/2013 21:59:57 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.4498	45.449	3377.1	.18920	209.48	1112.6	1360.8
Stddev	.9532	.268	6.4	1.2354	1.48	3.0	6.4
%RSD	10.087	.59075	.18987	652.95	.70533	.26559	.46979

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	197.94
Stddev	4.20
%RSD	2.1220

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7345.1	5422.8	63110.	10422.
Stddev	22.4	14.8	146.	77.
%RSD	.30554	.27221	.23121	.74116

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.482%	107.52%	107.52%	110.53%
Range				

Sample Name: 240-24831-B-11-A Acquired: 5/28/2013 22:04:01 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.3716	52955.	61.412	49.552	580.43	4.5030	62617.	2.439
Stddev	.4824	112.	1.130	3.164	1.25	.0456	207.	.075
%RSD	11.034	.21131	1.8394	6.3855	.21563	1.0130	.33052	3.070

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49.263	100.14	11473.	95806.	4095.0	63.508	25029.	1698.2
Stddev	.102	.40	10.	101.	57.0	.505	36.	12.3
%RSD	.20703	.40253	.09142	.10506	1.3907	.79525	.14510	.72358

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.1562	816.72	201.00	895.81	.6033	6.4293	35.170	3302.4
Stddev	.0257	92.00	141.12	1.81	1.512	2.0512	.371	4.6
%RSD	.41814	11.264	70.209	.20167	250.7	31.904	1.0538	.13937

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24831-B-11-A Acquired: 5/28/2013 22:04:01 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-1.8611	187.89	774.17	2865.1	314.27
Stddev	.4557	1.34	76.47	18.6	1.46
%RSD	24.484	.71475	9.8772	.65050	.46553

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7197.2	5442.7	63777.	10172.
Stddev	100.4	85.5	125.	132.
%RSD	1.3944	1.5712	.19529	1.2945

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.480%	107.91%	108.66%	107.88%
Range				

Sample Name: 240-24831-B-12-A Acquired: 5/28/2013 22:07:49 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.30653	36486.	37.233	34.473	319.59	3.9580	13608.	.4791
Stddev	.29144	119.	1.780	.213	.35	.0098	26.	.1813
%RSD	95.077	.32701	4.7810	.61833	.10893	.24693	.19143	37.83

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	36.414	68.405	3291.0	81056.	4876.0	61.002	15385.	1916.4
Stddev	.108	.169	7.3	261.	24.2	1.337	54.	4.9
%RSD	.29672	.24749	.22139	.32150	.49679	2.1919	.34992	.25581

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.4439	296.33	82.894	85.269	1.072	2.0057	13.007	1396.1
Stddev	.1781	5.26	.656	.675	1.255	1.2394	.221	1.5
%RSD	3.2718	1.7757	.79097	.79125	117.1	61.797	1.7029	.11033

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24831-B-12-A Acquired: 5/28/2013 22:07:49 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	- .80942	173.19	166.59	1508.5	164.61
Stddev	.32488	1.20	.46	14.2	2.16
%RSD	40.138	.69105	.27567	.94293	1.3099

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7505.0	5599.4	64867.	10692.
Stddev	30.6	17.4	177.	44.
%RSD	.40828	.31010	.27335	.40999

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	101.65%	111.02%	110.52%	113.39%
Range				

Sample Name: 240-24831-B-13-A Acquired: 5/28/2013 22:11:47 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.3339	42156.	40.391	48.092	415.98	3.8749	14883.	1.951
Stddev	.3806	59.	.460	.446	.28	.0438	38.	.075
%RSD	11.415	.13960	1.1400	.92762	.06695	1.1314	.25641	3.869

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	51.396	113.18	6084.7	87742.	3500.0	52.738	38834.	1896.8
Stddev	.328	.38	13.9	114.	7.5	1.694	142.	17.3
%RSD	.63761	.33392	.22913	.12937	.21566	3.2126	.36687	.91360

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.7326	324.60	154.28	616.10	1.738	5.8779	25.536	2843.9
Stddev	.0994	11.62	.46	2.72	.991	.6977	.212	6.6
%RSD	2.6642	3.5787	.30013	.44129	57.00	11.871	.83115	.23288

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: 240-24831-B-13-A Acquired: 5/28/2013 22:11:47 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.74583	176.16	741.13	1529.8	123.79
Stddev	.36115	1.54	5.29	11.6	2.63
%RSD	48.422	.87264	.71336	.75848	2.1207

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7547.2	5610.0	64750.	10730.
Stddev	26.1	10.9	434.	107.
%RSD	.34647	.19445	.67003	1.0012

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 Value 102.22% 111.23% 110.32% 113.80%
 Range

Sample Name: 240-24831-B-14-A Acquired: 5/28/2013 22:15:43 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.5386	41813.	39.550	45.775	374.10	3.4684	22163.	1.493
Stddev	.2590	226.	.890	.442	.80	.0332	127.	.086
%RSD	5.7060	.54150	2.2505	.96531	.21327	.95705	.57282	5.757

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	46.372	95.941	12323.	87531.	4096.6	49.109	25507.	1370.9
Stddev	.188	.219	18.	105.	43.6	1.205	36.	3.1
%RSD	.40606	.22841	.14981	.12006	1.0640	2.4544	.14116	.22484

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.3385	472.40	134.17	989.88	1.802	4.9235	31.238	3087.9
Stddev	.0224	8.11	.42	2.90	1.483	1.2941	.242	2.3
%RSD	.51534	1.7175	.31464	.29283	82.33	26.284	.77512	.07361

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: 240-24831-B-14-A Acquired: 5/28/2013 22:15:43 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.96244	166.12	720.71	1948.5	158.36
Stddev	.49037	1.36	2.97	27.4	3.34
%RSD	50.951	.81740	.41278	1.4041	2.1090

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7490.4	5539.2	65421.	10750.
Stddev	20.4	8.1	121.	19.
%RSD	.27293	.14642	.18512	.18059

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 Value 101.45% 109.83% 111.46% 114.01%
 Range

Sample Name: CCV Acquired: 5/28/2013 22:19:33 Type: QC
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	963.98	23736.	489.66	4845.0	1893.3	1930.5	48866.	483.2
Stddev	2.97	87.	1.46	8.9	3.9	5.8	198.	.3
%RSD	.30827	.36719	.29811	.18358	.20599	.29795	.40517	.0648

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1900.6	1898.4	1882.7	24167.	48291.	4792.1	49226.	1922.5
Stddev	2.3	.1	3.6	55.	170.	14.2	153.	6.8
%RSD	.12339	.00685	.19255	.22888	.35258	.29711	.31080	.35164

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1905.3	48948.	1895.3	473.59	481.4	484.51	4786.8	4855.3
Stddev	4.4	177.	3.8	.44	2.3	1.39	1.7	47.6
%RSD	.23042	.36224	.19785	.09329	.4856	.28674	.03575	.98032

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: CCV Acquired: 5/28/2013 22:19:33 Type: QC
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	963.61	1913.0	1929.9	5059.1	4796.6
Stddev	2.21	6.2	6.6	109.0	14.8
%RSD	.22928	.32185	.34387	2.1543	.30756

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7004.9	5038.7	57917.	9606.5
Stddev	29.9	25.4	32.	37.9
%RSD	.42652	.50312	.05578	.39467

Sample Name: CCB Acquired: 5/28/2013 22:23:19 Type: QC
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.52462	5.6162	-.07336	8.1104	-.07579	.08652	-1.1784	.1212
Stddev	.09026	18.391	.12543	.7998	.11616	.01357	3.1065	.0510
%RSD	17.206	327.46	170.98	9.8617	153.26	15.688	263.62	42.11

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.04725	.22465	1.2266	9.0984	117.21	.97669	2.1200	.12534
Stddev	.14092	.20384	.8245	4.6144	11.00	.53940	3.9523	.01396
%RSD	298.23	90.737	67.219	50.716	9.3824	55.228	186.43	11.141

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.9525	11.569	.10645	.29073	2.532	-1.6974	1.3299	1.4776
Stddev	.2730	24.567	.47808	.69490	.861	1.1273	.5592	.0273
%RSD	13.984	212.35	449.09	239.02	34.02	66.416	42.049	1.8444

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB Acquired: 5/28/2013 22:23:19 Type: QC
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.27576	.04633	.08544	-7.2572	3.9966
Stddev	.31198	1.0842	.06215	5.1864	1.2488
%RSD	113.13	2340.1	72.750	71.465	31.247

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7796.7	5291.1	62330.	9933.9
Stddev	48.7	18.2	88.	51.1
%RSD	.62414	.34410	.14162	.51445

Sample Name: 240-24831-B-16-A Acquired: 5/28/2013 22:27:14 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.8965	54835.	95.326	62.053	641.37	4.3065	98985.
Stddev	.0856	229.	1.172	.432	2.08	.1128	1234.
%RSD	1.7482	.41771	1.2293	.69638	.32432	2.6203	1.2470

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.271	67.662	115.15	9424.6	138890.	3675.1	61.771
Stddev	.146	.147	.31	9.3	2912.	17.4	1.131
%RSD	4.470	.21700	.27191	.09853	2.0962	.47332	1.8303

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	43366.	2091.6	7.1068	814.74	356.06	1351.2	2.572
Stddev	131.	11.9	.0644	6.30	.90	2.2	.042
%RSD	.30227	.56768	.90680	.77365	.25406	.15987	1.647

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24831-B-16-A Acquired: 5/28/2013 22:27:14 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17.519	56.957	3900.0	2.7219	210.38	1056.0	2413.7
Stddev	2.209	.315	12.9	.5339	.70	6.5	27.8
%RSD	12.608	.55298	.33134	19.616	.33351	.61183	1.1517

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	284.78
Stddev	.79
%RSD	.27690

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7111.9	5356.3	61868.	10348.
Stddev	54.5	33.7	178.	7.
%RSD	.76694	.62826	.28760	.06320

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.323%	106.20%	105.41%	109.75%
Range				

Sample Name: 240-24831-B-15-A Acquired: 5/28/2013 22:31:33 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.0314	30759.	30.645	51.889	328.27	3.2177	19520.	.4728
Stddev	.7699	39.	.742	.283	.74	.0478	19.	.0699
%RSD	74.642	.12673	2.4199	.54557	.22483	1.4841	.09854	14.78

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	27.357	46.714	1114.7	60439.	2600.9	41.630	8003.7	1008.4
Stddev	.155	1.871	26.2	80.	48.2	1.934	6.6	.7
%RSD	.56713	4.0061	2.3495	.13181	1.8545	4.6447	.08235	.07156

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.9424	448.04	69.400	45.395	1.347	2.1359	12.600	1271.1
Stddev	.1257	4.54	.251	.848	.325	.6095	.413	9.3
%RSD	2.5440	1.0142	.36097	1.8683	24.13	28.536	3.2753	.72839

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24831-B-15-A Acquired: 5/28/2013 22:31:33 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.33410	127.83	148.32	1494.1	311.85
Stddev	.70374	.54	.07	9.9	2.43
%RSD	210.64	.42420	.04450	.66097	.77834

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7552.2	5567.0	64536.	10394.
Stddev	6.3	9.9	273.	35.
%RSD	.08348	.17793	.42286	.33847

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	102.29%	110.38%	109.95%	110.23%
Range				

Sample Name: 240-24831-B-18-A Acquired: 5/28/2013 22:35:22 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.45431	54405.	47.798	44.559	316.41	4.2544	38681.	.2815
Stddev	.45797	168.	.316	.184	.95	.0308	42.	.0685
%RSD	100.81	.30893	.66124	.41356	.30091	.72523	.10741	24.33

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	53.600	88.475	2004.0	90073.	2007.0	69.246	30332.	1086.8
Stddev	.126	.245	1.3	122.	13.4	.699	48.	1.3
%RSD	.23537	.27671	.06597	.13494	.66897	1.0102	.15726	.11715

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.3118	859.31	145.10	64.104	1.829	3.2600	12.936	4415.5
Stddev	.1095	7.79	.36	1.461	.838	.1773	.183	42.5
%RSD	1.7344	.90621	.24691	2.2794	45.80	5.4375	1.4175	.96199

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24831-B-18-A Acquired: 5/28/2013 22:35:22 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.53146	193.81	250.89	1145.0	535.24
Stddev	1.3924	1.69	.38	9.4	3.11
%RSD	262.00	.86948	.15334	.82449	.58133

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7362.8	5545.4	65580.	10883.
Stddev	15.1	10.0	568.	79.
%RSD	.20495	.18069	.86641	.72896

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.723%	109.95%	111.73%	115.42%
Range				

Sample Name: 240-24661-C-12-A Acquired: 5/28/2013 22:39:17 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.13204	30912.	35.867	17.979	133.28	1.6700	6844.8	.5705
Stddev	.13794	128.	.748	.051	.23	.0610	26.1	.1196
%RSD	104.46	.41366	2.0852	.28168	.17046	3.6500	.38083	20.95

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24.805	65.063	55.894	67152.	3334.2	24.235	9529.0	1077.2
Stddev	.093	.336	.616	81.	15.7	.206	41.9	.5
%RSD	.37449	.51597	1.1018	.12023	.47201	.84800	.43928	.04466

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.6798	250.33	78.815	27.893	.2403	-.81691	20.874	899.49
Stddev	.0780	4.29	.375	1.245	1.543	1.9648	.285	.29
%RSD	.80612	1.7155	.47579	4.4622	642.1	240.51	1.3635	.03248

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24661-C-12-A Acquired: 5/28/2013 22:39:17 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.66721	87.363	153.53	1702.3	215.26
Stddev	.29083	1.450	.71	27.1	2.93
%RSD	43.589	1.6601	.46415	1.5940	1.3596

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7520.6	5695.1	65462.	10650.
Stddev	22.6	26.3	91.	89.
%RSD	.30103	.46221	.13852	.83153

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	101.86%	112.92%	111.53%	112.95%
Range				

Sample Name: 240-24820-D-1-A Acquired: 5/28/2013 22:43:04 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-31732	77069.	55.929	49.095	554.90	3.7561	487380.
Stddev	.89432	183.	.708	.116	.32	.0423	2700.
%RSD	281.83	.23694	1.2653	.23577	.05793	1.1268	.55400

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.763	68.096	102.09	167.45	136470.	8135.5	58.720
Stddev	.111	.278	.24	38.80	1192.	8.6	.452
%RSD	6.290	.40779	.23674	23.172	.87356	.10555	.76910

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	215480.	3291.3	23.585	4217.0	168.80	156.34	-3.295
Stddev	366.	49.1	.300	7.0	.73	1.63	.294
%RSD	.16991	1.4932	1.2718	.16517	.43201	1.0405	8.917

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24820-D-1-A Acquired: 5/28/2013 22:43:04 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.79954	15.789	777.02	3.4998	179.29	574.65	1942.7
Stddev	1.9701	.057	22.37	.2207	1.92	.75	12.3
%RSD	246.41	.35934	2.8786	6.3059	1.0689	.13104	.63428

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	327.55
Stddev	4.71
%RSD	1.4384

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6503.9	5379.0	62291.	10596.
Stddev	10.9	9.5	735.	50.
%RSD	.16778	.17593	1.1797	.47016

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	88.089%	106.65%	106.13%	112.38%
Range				

Sample Name: MB 240-87042/1-A Acquired: 5/28/2013 22:47:16 Type: QC
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.0299	3.3704	-.74561	2.3113	.47852	-.07330	253.43	.0884
Stddev	.3372	4.7904	.63663	.1721	.28649	.01691	3.13	.0484
%RSD	32.745	142.13	85.384	7.4440	59.870	23.069	1.2366	54.74

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.08689	.02041	1.8435	21.978	-35.488	-2.3703	79.990	.55952
Stddev	.22467	.11685	.3078	.216	15.617	.3111	3.245	.01603
%RSD	258.57	572.45	16.694	.98156	44.006	13.125	4.0572	2.8645

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.01843	29.904	-.42229	1.4672	1.864	-2.4166	.13894	.17097
Stddev	.07374	9.027	.27959	.9752	1.117	.8099	.48776	.06538
%RSD	400.21	30.186	66.209	66.466	59.93	33.517	351.06	38.240

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: MB 240-87042/1-A Acquired: 5/28/2013 22:47:16 Type: QC
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.95239	.42794	14.240	-7.1737	4.1312
Stddev	.28367	.43752	.055	5.8458	.3933
%RSD	29.785	102.24	.38931	81.489	9.5199

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7787.9	5289.4	62142.	9990.0
Stddev	10.4	5.0	17.	65.6
%RSD	.13294	.09445	.02760	.65622

Sample Name: LCS 240-87042/2-A Acquired: 5/28/2013 22:51:09 Type: QC
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	46.653	1811.0	1825.5	927.61	1790.7	45.208	46081.	46.05
Stddev	.120	12.0	5.2	1.46	3.3	.088	39.	.18
%RSD	.25693	.66542	.28429	.15726	.18426	.19370	.08389	.3851

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	445.66	178.41	226.45	931.02	45364.	874.99	46279.	460.87
Stddev	.77	.44	.20	4.63	16.	1.88	49.	1.04
%RSD	.17275	.24543	.09009	.49721	.03559	.21526	.10549	.22461

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	888.22	46207.	448.11	442.01	454.8	1852.4	1766.6	914.83
Stddev	1.63	59.	1.10	2.39	.5	4.2	2.0	.74
%RSD	.18404	.12705	.24567	.54019	.1101	.22850	.11220	.08051

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: LCS 240-87042/2-A Acquired: 5/28/2013 22:51:09 Type: QC
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	TI1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1805.2	454.95	463.29	928.12	884.10
Stddev	5.6	1.92	.14	6.80	4.87
%RSD	.31193	.42277	.03088	.73227	.55058

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7179.8	5097.9	59336.	9747.5
Stddev	14.2	13.7	146.	22.1
%RSD	.19787	.26876	.24655	.22686

Sample Name: 240-24748-AL-9-A Acquired: 5/28/2013 22:54:47 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.01885	8.7746	4.4538	93.735	24.336	-.08733	112790.
Stddev	.41163	14.048	1.2326	.142	.127	.02582	1504.
%RSD	2183.2	160.09	27.674	.15150	.52282	29.567	1.3332

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1733	-.00367	.70425	-.53210	1917.6	5324.9	-6.1564
Stddev	.0998	.09747	.45491	.58206	4.4	18.4	.5955
%RSD	57.59	2654.0	64.594	109.39	.23003	.34599	9.6731

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18733.	259.00	18.386	88746.	1.3998	1.3910	1.809
Stddev	18.	.18	.132	145.	.4650	.5724	.966
%RSD	.09570	.06772	.71636	.16347	33.218	41.153	53.40

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24748-AL-9-A Acquired: 5/28/2013 22:54:47 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.66540	1.1500	.73012	1.9068	-.67345	4.6730	4785.1
Stddev	1.0407	.4123	.28744	.3486	1.5523	.0848	3.0
%RSD	156.40	35.855	39.369	18.283	230.50	1.8156	.06277

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	292.39
Stddev	1.39
%RSD	.47679

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7094.9	4995.2	57967.	9815.2
Stddev	6.0	3.6	246.	64.9
%RSD	.08518	.07235	.42508	.66152

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.094%	99.040%	98.761%	104.09%
Range				

Sample Name: SD 240-24748-AL-9-@5 Acquired: 5/28/2013 22:58:44 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.24887	28.336	1.9832	19.172	5.1998	.01825	23130.	.0819
Stddev	.31895	32.112	.5817	.360	.5311	.05078	150.	.0660
%RSD	128.16	113.32	29.330	1.8761	10.214	278.26	.64917	80.56

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.20878	.43995	.59678	424.97	1073.9	-2.1339	3927.7	52.450
Stddev	.26780	.31472	.28618	38.48	12.6	1.3288	46.1	.596
%RSD	128.27	71.536	47.955	9.0553	1.1764	62.270	1.1726	1.1361

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.9576	18059.	.35995	.76156	1.909	.36511	.55815	.34248
Stddev	.0500	26.	.15897	.08723	.127	.82182	.46034	.57893
%RSD	1.2625	.14386	44.163	11.454	6.671	225.09	82.477	169.04

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: SD 240-24748-AL-9-@5 Acquired: 5/28/2013 22:58:44 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.0402	1.1100	.28960	957.85	65.139
Stddev	.9422	1.7124	.13049	10.32	3.685
%RSD	90.580	154.26	45.059	1.0778	5.6567

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7524.5	5156.0	60045.	9570.6
Stddev	21.2	16.0	102.	125.9
%RSD	.28226	.31060	.16994	1.3157

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	101.91%	102.23%	102.30%	101.50%
Range				

Sample Name: 240-24748-AL-9-B MS Acquired: 5/28/2013 23:02:36 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49.851	1856.8	1960.7	1081.9	1890.1	46.772	153090.
Stddev	.545	14.2	5.0	2.8	6.1	.139	2335.
%RSD	1.0928	.76686	.25663	.25938	.32459	.29762	1.5254

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48.43	465.36	183.36	232.70	2781.0	53499.	920.09
Stddev	.06	.73	.25	1.44	21.7	216.	3.63
%RSD	.1261	.15788	.13667	.61763	.78051	.40465	.39399

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	65203.	721.98	955.43	132950.	467.17	460.35	482.8
Stddev	171.	1.21	2.78	709.	1.12	1.74	3.2
%RSD	.26268	.16787	.29048	.53305	.24008	.37718	.6697

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24748-AL-9-B MS Acquired: 5/28/2013 23:02:36 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1953.6	1854.5	949.35	1892.7	472.67	467.68	5704.1
Stddev	3.2	4.5	.91	4.7	2.74	.26	36.8
%RSD	.16214	.24452	.09540	.24961	.57928	.05504	.64480

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1187.6
Stddev	2.3
%RSD	.19269

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6876.3	4948.7	57530.	9757.9
Stddev	15.3	17.1	263.	11.3
%RSD	.22218	.34506	.45690	.11608

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	93.133%	98.118%	98.016%	103.49%
Range				

Sample Name: CCV Acquired: 5/28/2013 23:06:31 Type: QC
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	958.91	23474.	491.39	4863.0	1892.5	1915.7	48333.	484.6
Stddev	1.28	7.	1.64	11.0	1.2	1.7	75.	.9
%RSD	.13398	.03029	.33410	.22622	.06333	.08744	.15511	.1852

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1896.8	1888.9	1881.4	24040.	47990.	4767.9	48744.	1928.2
Stddev	1.2	.3	.7	44.	81.	6.1	65.	4.8
%RSD	.06510	.01613	.03608	.18422	.16787	.12742	.13265	.25017

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1915.5	48688.	1891.3	473.88	483.8	485.70	4755.2	4917.0
Stddev	4.9	54.	2.1	.76	.8	2.55	2.4	40.1
%RSD	.25369	.11109	.10922	.15971	.1592	.52423	.05120	.81498

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: CCV Acquired: 5/28/2013 23:06:31 Type: QC
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	TI1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	965.61	1893.2	1915.8	5001.0	4753.2
Stddev	1.81	6.4	3.2	76.2	5.6
%RSD	.18724	.33983	.16636	1.5235	.11869

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7007.9	5019.4	57786.	9608.1
Stddev	29.7	12.2	70.	49.9
%RSD	.42418	.24336	.12184	.51887

Sample Name: CCB Acquired: 5/28/2013 23:10:18 Type: QC
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.29731	2.6925	1.7279	11.547	.21151	.22217	29.900	.3019
Stddev	.61661	14.316	1.3627	2.066	.46153	.30374	53.686	.1242
%RSD	207.40	531.68	78.863	17.891	218.21	136.72	179.55	41.15

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.61120	.11191	.84762	10.131	190.21	.76534	24.202	.08004
Stddev	.79224	.23243	.47401	12.455	9.05	2.5437	37.404	.03036
%RSD	129.62	207.70	55.922	122.93	4.7573	332.36	154.55	37.926

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.0444	37.981	1.0546	.49545	3.428	.58184	3.2518	1.3259
Stddev	.7198	35.840	.3800	.54475	1.481	.70267	1.7009	.2506
%RSD	23.644	94.363	36.029	109.95	43.19	120.77	52.306	18.902

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB Acquired: 5/28/2013 23:10:18 Type: QC
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.5087	-.12472	.92355	-3.1884	2.9020
Stddev	.7448	1.0494	.70284	3.7330	1.5702
%RSD	49.368	841.43	76.102	117.08	54.108

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7785.8	5266.9	60823.	9682.5
Stddev	40.7	23.7	202.	118.5
%RSD	.52291	.44946	.33179	1.2241

Sample Name: 240-24748-AL-9-C MSD Acquired: 5/28/2013 23:14:13 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50.709	1832.7	1941.8	1078.4	1880.3	46.389	155100.
Stddev	.365	3.9	2.3	2.2	2.7	.068	1624.
%RSD	.72012	.21007	.11731	.19996	.14230	.14618	1.0467

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48.04	461.14	182.72	230.77	2756.1	53631.	914.30
Stddev	.17	.97	.62	1.24	4.4	27.	2.24
%RSD	.3590	.21059	.33765	.53774	.15951	.04996	.24543

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	64963.	722.33	943.47	134920.	463.21	458.07	475.9
Stddev	64.	1.76	1.52	1546.	.60	.51	2.5
%RSD	.09881	.24363	.16142	1.1457	.13041	.11161	.5282

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24748-AL-9-C MSD Acquired: 5/28/2013 23:14:13 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1946.5	1855.1	944.02	1889.7	469.33	468.95	5739.8
Stddev	2.9	5.3	1.35	3.7	1.43	1.66	8.7
%RSD	.14912	.28467	.14330	.19393	.30488	.35417	.15143

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1176.2
Stddev	2.1
%RSD	.18149

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6716.8	4841.2	55949.	9534.7
Stddev	28.4	16.1	199.	21.3
%RSD	.42269	.33168	.35605	.22370

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.973%	95.986%	95.321%	101.12%
Range				

Sample Name: 240-24717-B-12-A Acquired: 5/28/2013 23:18:08 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.10068	6.6309	7.3700	55.116	379.92	-.13616	149060.
Stddev	.34695	20.872	.6896	.386	.68	.02644	726.
%RSD	344.61	314.78	9.3562	.70045	.17990	19.417	.48721

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3157	.86303	.91049	-1.0521	3001.9	4833.9	43.477
Stddev	.0308	.08934	.31298	.4898	3.0	99.0	.493
%RSD	9.764	10.352	34.375	46.551	.10137	2.0490	1.1344

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	42952.	375.91	5.5243	374110.	4.8627	-.60318	2.206
Stddev	67.	.54	.2523	4509.	.1911	.44611	.684
%RSD	.15525	.14423	4.5667	1.2053	3.9303	73.960	31.01

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24717-B-12-A Acquired: 5/28/2013 23:18:08 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.63970	.92421	.35477	1.6136	-1.9241	3.8593	6473.9
Stddev	.54694	.24222	.03436	.2520	1.5455	.0402	35.8
%RSD	85.499	26.208	9.6845	15.618	80.325	1.0407	.55239

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	287.92
Stddev	4.15
%RSD	1.4405

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6717.6	4892.1	56073.	9678.8
Stddev	26.3	12.6	71.	24.7
%RSD	.39116	.25695	.12724	.25483

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.984%	96.996%	95.534%	102.65%
Range				

Sample Name: 240-24717-B-13-A Acquired: 5/28/2013 23:22:16 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.14662	114.85	3.5223	75.276	294.92	-.01198	123090.
Stddev	.47273	8.09	.6375	.647	.52	.07721	922.
%RSD	322.42	7.0468	18.100	.85901	.17782	644.68	.74945

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2334	.69967	1.3775	-.30290	2376.0	6914.3	7.1453
Stddev	.1954	.07218	.1288	.41073	8.7	130.0	.9919
%RSD	83.71	10.316	9.3479	135.60	.36734	1.8801	13.881

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	30725.	806.94	.47603	311910.	2.5435	.83202	1.742
Stddev	51.	5.31	.18930	4273.	.2372	.52530	1.054
%RSD	.16493	.65842	39.766	1.3700	9.3248	63.136	60.47

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24717-B-13-A Acquired: 5/28/2013 23:22:16 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.49985	1.2759	3.5366	1.7040	-.15538	5.1133	9595.8
Stddev	.41954	.0974	.5228	.6568	.55293	.1090	61.0
%RSD	83.933	7.6298	14.782	38.548	355.85	2.1318	.63571

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	280.06
Stddev	4.00
%RSD	1.4291

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6590.6	4785.8	54878.	9533.4
Stddev	11.9	3.2	918.	40.4
%RSD	.18065	.06608	1.6721	.42419

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	89.263%	94.888%	93.497%	101.11%
Range				

Sample Name: 240-24717-B-14-A Acquired: 5/28/2013 23:26:23 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.31570	18.247	.93828	52.931	86.109	-.08095	120370.
Stddev	.58657	6.145	1.1035	.511	.577	.05894	319.
%RSD	185.80	33.676	117.60	.96634	.67056	72.817	.26476

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2162	.05050	.63790	.23663	99.013	2111.8	-3.0859
Stddev	.0920	.16567	.08034	.91840	1.864	98.1	1.4172
%RSD	42.58	328.04	12.595	388.12	1.8823	4.6457	45.926

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24373.	8.0903	2.2223	144110.	1.9781	-.01291	2.367
Stddev	8.	.0581	.1773	914.	.3672	.63739	.787
%RSD	.03223	.71794	7.9797	.63444	18.565	4937.6	33.26

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24717-B-14-A Acquired: 5/28/2013 23:26:23 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .86819	.42851	.05069	1.5592	1.3240	260.95	5580.9
Stddev	.94191	.27012	.09043	1.3269	.5980	2.00	15.7
%RSD	108.49	63.038	178.39	85.097	45.169	.76784	.28157

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	161.41
Stddev	3.08
%RSD	1.9057

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6903.1	4918.3	55394.	9257.5
Stddev	93.2	64.7	281.	40.8
%RSD	1.3501	1.3150	.50773	.44079

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	93.495%	97.516%	94.376%	98.180%
Range				

Sample Name: 240-24717-B-15-A Acquired: 5/28/2013 23:30:30 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.64059	15.513	14.354	67.906	128.22	.04955	57556.	.2350
Stddev	.11784	8.418	.995	.104	.44	.06384	151.	.0754
%RSD	18.395	54.260	6.9299	.15372	.34311	128.84	.26190	32.09

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.04569	.45379	-.15040	928.58	1498.8	1.4741	22057.	70.872
Stddev	.14671	.33944	.44870	1.19	26.6	.6887	60.	.143
%RSD	321.07	74.801	298.33	.12864	1.7771	46.719	.26983	.20117

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13.482	16086.	.45331	.38814	3.034	-.52464	.58643	.15676
Stddev	.227	167.	.27894	.88144	1.789	.64947	.40703	.22977
%RSD	1.6817	1.0351	61.534	227.10	58.96	123.79	69.408	146.58

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24717-B-15-A Acquired: 5/28/2013 23:30:30 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.0009	.20388	3.0159	7181.7	463.79
Stddev	.4773	1.9825	.1706	19.1	.91
%RSD	47.689	972.42	5.6556	.26612	.19724

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7202.5	5007.6	58610.	9411.7
Stddev	35.9	15.9	229.	50.2
%RSD	.49787	.31724	.39153	.53381

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.551%	99.286%	99.855%	99.815%
Range				

Sample Name: 240-24724-M-2-A Acquired: 5/28/2013 23:34:21 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.80049	281.78	-.01525	240.82	115.37	-.00383	173120.
Stddev	.34903	10.71	.81320	.41	.25	.02081	7718.
%RSD	43.601	3.7995	5332.2	.17177	.21647	542.97	4.4584

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2271	-.11383	27.230	-.53179	56930.	9217.4	264.68
Stddev	.0598	.11073	.379	.19247	255.	65.1	1.28
%RSD	26.33	97.281	1.3923	36.193	.44750	.70585	.48210

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	113360.	2997.8	-.36244	71127.	8.2233	-.27473	-.7625
Stddev	1083.	22.7	.17782	146.	.1862	.85057	.5812
%RSD	.95493	.75731	49.064	.20537	2.2643	309.60	76.23

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24724-M-2-A Acquired: 5/28/2013 23:34:21 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.30918	1.4193	1.6368	2.3331	.83582	9.7168	12396.
Stddev	.50675	.5964	.0779	.1575	.73352	.0753	25.
%RSD	163.90	42.019	4.7607	6.7498	87.761	.77467	.20440

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	842.96
Stddev	2.38
%RSD	.28267

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6710.3	4830.0	57182.	9214.2
Stddev	38.6	26.3	314.	376.6
%RSD	.57566	.54527	.54896	4.0876

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.884%	95.764%	97.422%	97.720%
Range				

Sample Name: 240-24724-M-4-A Acquired: 5/28/2013 23:38:27 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-0.06630	61994.	64.079	294.26	1125.9	4.8619	408040.
Stddev	.28684	260.	2.035	.26	1.0	.0209	5768.
%RSD	432.64	.41981	3.1758	.08682	.08482	.43052	1.4135

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.497	46.822	179.42	977.62	135370.	55621.	74.964
Stddev	.086	.331	.24	.86	1099.	223.	.501
%RSD	2.463	.70782	.13631	.08841	.81214	.40150	.66838

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	85818.	3164.7	13.073	70647.	127.77	774.94	.6351
Stddev	158.	23.2	.328	174.	.20	1.61	.4343
%RSD	.18439	.73235	2.5084	.24563	.15715	.20765	68.39

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24724-M-4-A Acquired: 5/28/2013 23:38:27 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.84224	125.97	433.67	4.4244	121.17	5592.0	37068.
Stddev	1.5593	.27	.55	1.1524	1.41	17.1	1303.
%RSD	185.14	.21192	.12797	26.047	1.1644	.30564	3.5156

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1712.4
Stddev	4.6
%RSD	.27061

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6445.0	5080.5	58382.	9942.0
Stddev	23.8	18.6	56.	106.5
%RSD	.36915	.36576	.09535	1.0715

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	87.292%	100.73%	99.467%	105.44%
Range				

Sample Name: 240-24748-N-1-A Acquired: 5/28/2013 23:42:37 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.42973	37.098	.72303	34.296	10.123	-.01805	71394.	.1158
Stddev	.40321	8.553	.63589	.067	.168	.02165	622.	.1345
%RSD	93.829	23.056	87.949	.19489	1.6558	119.95	.87095	116.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.10571	.71500	1.8869	46.519	1519.3	-5.0397	18657.	3.3645
Stddev	.20729	.20542	.9181	.980	15.5	.5826	216.	3.8876
%RSD	196.10	28.730	48.655	2.1075	1.0176	11.560	1.1589	115.55

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.51410	2547.3	.79005	.19381	2.263	.50786	.57650	1.2571
Stddev	.19965	6.5	.56991	.61181	1.368	1.5911	.44539	.5352
%RSD	38.834	.25483	72.136	315.68	60.44	313.29	77.258	42.574

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24748-N-1-A Acquired: 5/28/2013 23:42:37 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.4543	-1.3099	2.4599	2480.8	116.79
Stddev	.7786	.7458	.4402	16.4	3.15
%RSD	53.539	56.933	17.896	.66072	2.6949

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7267.0	5036.8	58092.	9668.1
Stddev	33.8	29.0	485.	286.2
%RSD	.46461	.57573	.83415	2.9601

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.425%	99.866%	98.974%	102.53%
Range				

Sample Name: 240-24748-N-2-A Acquired: 5/28/2013 23:46:30 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.32319	55.029	.73677	33.413	10.462	-.07560	71590.	.1632
Stddev	.32011	5.559	1.1957	.210	.377	.05261	197.	.1241
%RSD	99.047	10.102	162.29	.62943	3.5994	69.593	.27501	76.05

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.06773	.62772	1.2016	76.222	1391.9	-4.5638	18707.	1.1685
Stddev	.10739	.37323	.7041	33.315	35.8	.5949	22.	.0258
%RSD	158.55	59.458	58.598	43.708	2.5745	13.036	.11793	2.2061

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.63182	2592.0	.65108	.43814	-.2956	1.9045	.04446	.54951
Stddev	.01669	26.9	.20536	.49385	.7146	1.6716	.33136	.04193
%RSD	2.6416	1.0368	31.541	112.72	241.8	87.774	745.36	7.6305

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24748-N-2-A Acquired: 5/28/2013 23:46:30 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.3850	-.16879	2.5186	2484.4	114.63
Stddev	.8957	1.5124	.0296	12.8	3.24
%RSD	64.673	896.02	1.1765	.51347	2.8298

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7324.8	5084.5	59039.	9591.3
Stddev	34.0	23.3	211.	17.0
%RSD	.46447	.45874	.35671	.17706

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.208%	100.81%	100.59%	101.72%
Range				

Sample Name: 240-24748-N-3-A Acquired: 5/28/2013 23:50:22 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.47218	34.829	.42535	52.396	10.283	-.06272	61605.	.1168
Stddev	.34860	16.307	.67855	.225	.224	.03979	94.	.0156
%RSD	73.827	46.820	159.53	.42885	2.1745	63.437	.15197	13.38

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.06080	.49111	2.8295	30.211	1860.4	-3.4816	14083.	.80511
Stddev	.24971	.19919	1.0154	40.470	77.4	.3233	79.	.34581
%RSD	410.72	40.558	35.885	133.96	4.1581	9.2854	.56236	42.952

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	25.234	20379.	1.1791	.08572	.9974	.06067	.23833	.08029
Stddev	.062	31.	.1190	.96907	2.356	.19066	.30770	.07109
%RSD	.24552	.15232	10.094	1130.5	236.2	314.24	129.11	88.539

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24748-N-3-A Acquired: 5/28/2013 23:50:22 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.85671	.24364	5.6003	3378.1	126.30
Stddev	.49618	3.5320	.1356	4.2	1.87
%RSD	57.917	1449.7	2.4217	.12342	1.4823

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7386.1	5124.6	58418.	9283.2
Stddev	20.0	10.2	699.	100.9
%RSD	.27039	.19806	1.1974	1.0867

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.04%	101.61%	99.528%	98.452%
Range				

Sample Name: CCV Acquired: 5/28/2013 23:54:14 Type: QC
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	[^] F *****	kF 851.93	kF 74.264	[^] F *****	[^] F *****	[^] F *****	[^] F *****
Stddev	-----	681.67	4.800	-----	-----	-----	-----
%RSD	-----	80.014	6.4634	-----	-----	-----	-----

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	1000.0	25000.	500.00	5000.0	2000.0	2000.0	50000.
Range	-10.500%	-10.500%	-10.500%	-10.500%	-10.500%	-10.500%	-10.500%

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	kF 75.87	[^] F *****	[^] F *****	[^] F *****	F 921.21	F 1735.9	[^] F *****
Stddev	4.33	-----	-----	-----	693.79	1337.2	-----
%RSD	5.707	-----	-----	-----	75.313	77.033	-----

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	500.0	2000.0	2000.0	2000.0	25000.	50000.	5000.0
Range	-10.50%	-10.500%	-10.500%	-10.500%	-10.500%	-10.500%	-10.500%

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 2017.0	[^] F *****	[^] F *****	[^] F *****	[^] F *****	kF 79.644	kF 70.39
Stddev	1496.3	-----	-----	-----	-----	4.594	3.41
%RSD	74.187	-----	-----	-----	-----	5.7681	4.842

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	50000.	2000.0	2000.0	50000.	2000.0	500.00	500.0
Range	-10.500%	-10.500%	-10.500%	-10.500%	-10.500%	-10.500%	-10.50%

Sample Name: CCV Acquired: 5/28/2013 23:54:14 Type: QC
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	kF 70.537	^F *****	^F *****	kF 150.03	F 69.377	^F *****	F 349.69
Stddev	3.522	-----	-----	7.05	54.762	-----	142.34
%RSD	4.9929	-----	-----	4.7007	78.933	-----	40.705

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	500.00	5000.0	5000.0	1000.0	2000.0	2000.0	5000.0
Range	-10.500%	-10.500%	-10.500%	-10.500%	-10.500%	-10.500%	-10.500%

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	F 187.57
Stddev	139.85
%RSD	74.558

Check ?	Chk Fail
Value	5000.0
Range	-10.500%

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	15221.	10601.	129670.	20915.
Stddev	138.	114.	5534.	1385.
%RSD	.90834	1.0762	4.2674	6.6215

Sample Name: CCB Acquired: 5/28/2013 23:57:56 Type: QC
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	s 2.5485	-34.649	k -1.7464	1.2412	-1.5350	-.28308	-15.380
Stddev	1.0149	7.374	.0821	.0704	.2138	.02593	1.033
%RSD	39.825	21.282	4.6994	5.6720	13.928	9.1610	6.7154

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	k -.0083	k -.17476	s .47592	s 2.1457	-1.4975	-72.642	-5.7772
Stddev	.0157	.01644	.41906	2.1140	.6623	6.511	.9295
%RSD	188.6	9.4055	88.054	98.525	44.224	8.9633	16.089

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.548	s -.08480	1.7017	-47.731	k -1.5206	k .18076	k -.0838
Stddev	1.845	.05915	.1343	8.977	.1028	.36366	.7687
%RSD	17.493	69.749	7.8918	18.807	6.7576	201.18	917.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: CCB Acquired: 5/28/2013 23:57:56 Type: QC
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	k -2.1010	.51507	s .82962	k 2.5935	-2.2960	k -.65312	16.978
Stddev	1.0434	.17367	1.0763	.1293	.3958	.02557	8.064
%RSD	49.663	33.718	129.73	4.9862	17.238	3.9158	47.496

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1.5943
Stddev	1.3602
%RSD	85.315

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	16697.	11213.	^ *****	18450.
Stddev	211.	124.	-----	960.
%RSD	1.2648	1.1077	-----	5.2018

Sample Name: 240-24748-N-4-A Acquired: 5/29/2013 0:01:50 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.60379	57.735	2.7501	65.723	50.573	-.06446	106320.
Stddev	.21464	8.861	2.0901	.682	.286	.09017	1968.
%RSD	35.549	15.347	76.001	1.0376	.56652	139.88	1.8506

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1722	.14078	.63587	-.23479	2779.2	3736.4	-6.3950
Stddev	.1229	.09355	.29231	.40143	5.4	20.3	.6926
%RSD	71.37	66.454	45.970	170.98	.19311	.54259	10.830

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	22546.	450.83	2.6401	157040.	1.8636	.61680	.6426
Stddev	98.	1.21	.2012	1681.	.2535	1.3034	.7048
%RSD	.43549	.26909	7.6201	1.0702	13.604	211.32	109.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24748-N-4-A Acquired: 5/29/2013 0:01:50 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.3878	.80148	1.2352	1.4955	-.90730	4.3285	5139.0
Stddev	1.2469	.64146	.1297	1.3657	.79017	.0986	18.6
%RSD	89.842	80.034	10.501	91.317	87.090	2.2786	.36153

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	254.29
Stddev	4.71
%RSD	1.8521

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7156.3	5092.3	58140.	9801.4
Stddev	12.1	3.8	397.	64.5
%RSD	.16871	.07500	.68329	.65763

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.926%	100.96%	99.056%	103.95%
Range				

Sample Name: 240-24748-N-5-A Acquired: 5/29/2013 0:05:59 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.30893	1028.8	6.7859	53.799	38.510	-.02731	74176.	.2117
Stddev	.22531	5.7	.6390	.267	.050	.01174	620.	.0413
%RSD	72.933	.55308	9.4172	.49710	.12876	42.977	.83603	19.49

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.78257	2.1954	2.9621	2843.4	2506.7	-2.5221	14932.	1184.3
Stddev	.15558	.1873	.1586	5.2	23.8	.9683	46.	1.9
%RSD	19.880	8.5317	5.3549	.18349	.95036	38.391	.30610	.16332

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	37.675	61048.	4.0501	1.9496	1.820	.15533	.28387	25.413
Stddev	.093	137.	.0621	.2277	1.159	.64249	.11584	.181
%RSD	.24712	.22507	1.5323	11.678	63.70	413.64	40.806	.71233

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24748-N-5-A Acquired: 5/29/2013 0:05:59 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.3116	2.2198	10.086	6389.9	130.73
Stddev	.3975	.9923	.081	4.9	3.18
%RSD	30.304	44.703	.80404	.07683	2.4323

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7375.6	5181.5	60118.	9949.0
Stddev	64.6	40.2	439.	118.7
%RSD	.87526	.77575	.73058	1.1931

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.896%	102.73%	102.42%	105.51%
Range				

Sample Name: 240-24748-N-6-A Acquired: 5/29/2013 0:09:50 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.69458	33.874	.98918	99.575	20.360	-.07276	56057.
Stddev	.40446	2.766	.86256	.415	.036	.06551	289.
%RSD	58.231	8.1652	87.199	.41692	.17657	90.034	.51608

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1334	.72613	11.530	25.496	536.97	2089.1	-3.1593
Stddev	.0608	.19228	.230	.255	.80	28.4	.0632
%RSD	45.57	26.480	1.9986	1.0007	.14893	1.3574	2.0011

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10496.	32.127	6.1624	116310.	9.4941	.77980	1.060
Stddev	51.	.190	.0958	549.	.1642	.72475	.307
%RSD	.49015	.59181	1.5550	.47201	1.7293	92.941	28.97

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24748-N-6-A Acquired: 5/29/2013 0:09:50 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.2706	.71082	.75513	1.4191	.38981	53.194	3997.5
Stddev	2.0212	.44140	.18862	.4840	.21562	.084	14.9
%RSD	159.08	62.097	24.978	34.111	55.314	.15853	.37208

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	121.52
Stddev	2.24
%RSD	1.8396

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7408.2	5206.7	60143.	10062.
Stddev	18.0	16.4	150.	115.
%RSD	.24347	.31414	.24901	1.1390

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.34%	103.23%	102.47%	106.71%
Range				

Sample Name: 240-24748-N-7-A Acquired: 5/29/2013 0:13:40 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.02689	24.450	2.8095	58.913	57.908	-.10775	55008.	.1600
Stddev	.10817	22.238	.3512	.385	.188	.04633	84.	.0668
%RSD	402.20	90.955	12.502	.65378	.32384	43.002	.15273	41.74

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.08015	1.1480	.55913	491.38	3043.7	-4.6408	11101.	112.01
Stddev	.17807	.1615	.70770	.80	47.2	.5180	44.	.76
%RSD	222.18	14.066	126.57	.16379	1.5501	11.161	.39307	.68222

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	205.75	33656.	1.0979	-.43518	4.526	.01346	.67926	.64330
Stddev	.73	69.	.1589	.46055	.588	.59671	.20449	.06196
%RSD	.35242	.20468	14.473	105.83	12.99	4432.1	30.104	9.6321

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24748-N-7-A Acquired: 5/29/2013 0:13:40 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.81730	1.5526	3.3114	2497.5	249.75
Stddev	.12226	1.2764	.0607	11.7	3.35
%RSD	14.959	82.212	1.8330	.46899	1.3397

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7305.0	5068.5	58729.	9772.1
Stddev	75.6	48.4	673.	105.6
%RSD	1.0349	.95445	1.1463	1.0809

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.939%	100.49%	100.06%	103.64%
Range				

Sample Name: 240-24748-N-8-A Acquired: 5/29/2013 0:17:30 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.46482	553.41	4.1534	82.411	53.644	-.05170	76813.	.1684
Stddev	.13951	25.72	.3323	.297	.158	.01359	61.	.0969
%RSD	30.014	4.6469	7.9998	.36045	.29383	26.285	.07929	57.56

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.15180	1.3965	1.1835	3898.6	2607.1	-2.3788	14167.	519.30
Stddev	.10721	.4131	.7415	8.7	21.4	1.3678	17.	2.26
%RSD	70.626	29.580	62.649	.22206	.82176	57.499	.12337	.43490

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20.992	94288.	1.4183	3.1898	.1472	1.1027	.38152	14.650
Stddev	.216	157.	.3371	.2798	.9172	1.7638	.37172	.162
%RSD	1.0276	.16687	23.769	8.7714	622.9	159.95	97.432	1.1081

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24748-N-8-A Acquired: 5/29/2013 0:17:30 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.93013	1.0400	4.5518	7544.3	562.26
Stddev	.67061	2.0851	.0575	22.5	2.93
%RSD	72.099	200.50	1.2627	.29855	.52078

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7143.4	5040.3	57717.	9326.6
Stddev	20.4	13.2	392.	67.3
%RSD	.28577	.26212	.67942	.72166

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.750%	99.936%	98.334%	98.912%
Range				

Sample Name: 240-24748-N-10-A Acquired: 5/29/2013 0:21:19 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.62420	28.185	.87430	45.359	12.129	-.07295	48468.	.1884
Stddev	.13360	4.728	.62135	.257	.110	.02160	76.	.0431
%RSD	21.403	16.775	71.068	.56703	.90844	29.608	.15702	22.89

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.02469	.78887	3.5227	20.762	1755.1	-2.5741	12695.	.74000
Stddev	.10128	.10717	.7645	1.790	31.6	.5434	49.	.01783
%RSD	410.27	13.585	21.701	8.6211	1.7999	21.111	.38852	2.4099

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	43.755	27628.	.66636	.80045	-.4797	-1.7318	-.04658	.19518
Stddev	.039	63.	.34698	1.1729	.6266	.7617	.52722	.09555
%RSD	.09010	.22819	52.071	146.53	130.6	43.982	1131.8	48.954

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24748-N-10-A Acquired: 5/29/2013 0:21:19 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.3835	.20263	2.1819	3508.7	127.85
Stddev	.4353	.87212	.0644	13.3	2.74
%RSD	31.466	430.40	2.9533	.38032	2.1430

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7457.5	5185.4	61497.	9868.4
Stddev	36.7	20.9	140.	110.7
%RSD	.49208	.40291	.22772	1.1215

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	101.00%	102.81%	104.77%	104.66%
Range				

Sample Name: 240-24748-N-11-A Acquired: 5/29/2013 0:25:10 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.56913	48.925	3.9576	100.59	61.510	-.09515	119620.
Stddev	.21738	20.207	.5205	.53	.238	.04435	2121.
%RSD	38.196	41.303	13.152	.52231	.38752	46.605	1.7729

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1737	.10999	.58248	-.92220	1263.8	6285.1	-6.8248
Stddev	.0641	.11205	.19424	.56990	2.1	42.2	.6503
%RSD	36.91	101.87	33.346	61.798	.16660	.67083	9.5281

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	31519.	221.00	3.3161	207730.	3.5475	.93062	-.5945
Stddev	100.	.86	.0896	2388.	.2570	.50603	.8589
%RSD	.31725	.39114	2.7019	1.1497	7.2439	54.376	144.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24748-N-11-A Acquired: 5/29/2013 0:25:10 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.4326	.64671	.91600	1.4380	-.93615	2.5385	3654.8
Stddev	.2322	.67429	.02136	.2479	1.2058	.0902	6.8
%RSD	16.211	104.26	2.3322	17.237	128.80	3.5545	.18737

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	303.93
Stddev	3.20
%RSD	1.0518

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7041.6	5023.7	57011.	9471.9
Stddev	106.5	71.1	453.	131.1
%RSD	1.5127	1.4156	.79524	1.3841

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.372%	99.605%	97.131%	100.45%
Range				

Sample Name: 240-24748-N-12-A Acquired: 5/29/2013 0:29:16 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.41133	10.788	1.5741	126.60	51.424	-.11302	109550.
Stddev	.05515	18.064	.9019	.53	.211	.06159	1009.
%RSD	13.408	167.45	57.296	.41668	.40968	54.493	.92088

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1064	.21445	.78615	.72267	22.400	4454.8	-6.6225
Stddev	.1235	.17012	.12929	.12532	.699	58.0	.9404
%RSD	116.1	79.331	16.446	17.341	3.1211	1.3016	14.200

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19622.	6.7118	49.334	73490.	3.6833	.36267	1.428
Stddev	45.	.0367	.163	221.	1.7786	.68867	.575
%RSD	.22767	.54639	.32947	.30068	48.289	189.89	40.28

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24748-N-12-A Acquired: 5/29/2013 0:29:16 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .66758	.43026	.26812	1.2585	.07021	2.5939	4661.0
Stddev	.65685	.32151	.13576	.6708	.91785	.6390	24.6
%RSD	98.394	74.724	50.636	53.304	1307.2	24.635	.52720

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	510.66
Stddev	3.91
%RSD	.76587

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7135.8	5017.5	58510.	9868.1
Stddev	46.5	32.9	502.	38.9
%RSD	.65130	.65496	.85765	.39426

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.647%	99.483%	99.686%	104.66%
Range				

Sample Name: 240-24748-N-13-A Acquired: 5/29/2013 0:33:15 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.37535	11.236	9.3339	102.54	68.462	-.09727	98546.
Stddev	.26837	5.286	1.9546	.57	.151	.03926	1578.
%RSD	71.498	47.047	20.941	.55166	.22060	40.365	1.6007

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3325	-.09881	.89502	-.40014	1270.5	3671.2	-4.1306
Stddev	.0281	.10115	.34601	.28230	2.0	27.5	.8708
%RSD	8.456	102.36	38.659	70.550	.15740	.74773	21.081

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20252.	230.89	.83578	154160.	1.2106	.25015	1.194
Stddev	80.	.12	.16284	1616.	.2629	1.3556	1.411
%RSD	.39460	.05311	19.484	1.0480	21.716	541.92	118.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24748-N-13-A Acquired: 5/29/2013 0:33:15 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.0140	.10598	.16232	1.4899	-.94451	1.0658	8466.3
Stddev	.9204	.40614	.09642	.3118	2.1521	.0306	52.8
%RSD	90.774	383.23	59.401	20.927	227.86	2.8724	.62370

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	307.48
Stddev	3.26
%RSD	1.0589

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7180.9	5092.0	59498.	9971.4
Stddev	23.8	26.9	250.	94.9
%RSD	.33186	.52855	.41994	.95190

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.258%	100.96%	101.37%	105.75%
Range				

Sample Name: 240-24759-A-1-A Acquired: 5/29/2013 0:37:22 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.01995	2.2645	.24720	860.35	11.730	-.10166
Stddev	.46399	13.362	2.1966	2.39	.129	.00416
%RSD	2325.9	590.09	888.61	.27781	1.1015	4.0921

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	183300.	.4775	1.6145	1.3971	-.18392	13.690
Stddev	1919.	.1597	.1726	.1714	1.0824	1.311
%RSD	1.0470	33.46	10.689	12.270	588.50	9.5776

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21713.	71.371	186660.	3.0487	.34482	F 633100.
Stddev	114.	.387	659.	.0418	.15420	8906.
%RSD	.52651	.54273	.35313	1.3711	44.717	1.4067

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500000.
Low Limit						-500000.

Sample Name: 240-24759-A-1-A Acquired: 5/29/2013 0:37:22 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14.557	-1.1793	-1.021	-2.9685	.98728	-.32911
Stddev	.458	1.4645	3.107	2.0475	.67432	.03746
%RSD	3.1472	124.18	304.4	68.973	68.301	11.382

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.59246	-1.6995	3.1133	10188.	1164.3
Stddev	.08865	.6271	.1519	81.	3.5
%RSD	14.963	36.902	4.8781	.79807	.30088

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6426.5	4721.1	53221.	9432.3
Stddev	86.4	57.6	282.	66.7
%RSD	1.3440	1.2196	.53044	.70666

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	87.041%	93.606%	90.675%	100.03%
Range				

Sample Name: CCV Acquired: 5/29/2013 0:41:33 Type: QC
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	964.59	23731.	483.85	4841.4	1896.5	1922.4	48869.	482.2
Stddev	1.49	37.	1.07	22.2	3.0	4.2	95.	1.4
%RSD	.15443	.15519	.22073	.45779	.15772	.21993	.19354	.2987

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1878.9	1879.9	1880.8	23878.	48362.	4778.1	48794.	1906.0
Stddev	3.7	5.2	2.5	28.	157.	11.1	73.	5.9
%RSD	.19629	.27500	.13143	.11535	.32559	.23136	.14895	.30794

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1888.8	49176.	1873.7	467.53	479.2	486.22	4762.4	4815.8
Stddev	8.6	213.	2.3	.56	2.1	3.94	12.7	38.5
%RSD	.45362	.43252	.12386	.12016	.4285	.81115	.26745	.80023

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: CCV Acquired: 5/29/2013 0:41:33 Type: QC
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	TI1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	951.26	1910.9	1896.2	5246.0	4744.1
Stddev	1.86	3.7	2.3	88.2	15.7
%RSD	.19514	.19480	.11896	1.6819	.33154

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7030.8	5049.2	57777.	9407.5
Stddev	54.2	28.5	177.	30.6
%RSD	.77116	.56387	.30717	.32562

Sample Name: CCB Acquired: 5/29/2013 0:45:20 Type: QC
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.94933	6.7952	.77918	8.7312	-.08841	.06007	11.532	.0788
Stddev	.92832	6.9296	.80051	.4952	.14494	.01805	.992	.0582
%RSD	97.787	101.98	102.74	5.6714	163.94	30.046	8.5991	73.92

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.03608	.62427	1.5152	.62903	238.15	1.6728	9.5650	.85754
Stddev	.25816	1.2712	1.2563	1.5493	54.45	1.0881	4.7849	1.3925
%RSD	715.60	203.63	82.918	246.29	22.863	65.050	50.025	162.38

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.0489	95.547	.33091	.52822	1.412	.66253	1.6598	3.5050
Stddev	.2362	27.164	.25574	1.3503	1.693	1.8797	.3111	3.3727
%RSD	11.529	28.430	77.285	255.64	119.9	283.72	18.744	96.225

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB Acquired: 5/29/2013 0:45:20 Type: QC
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.65105	-.16009	.57061	-.07816	.66855
Stddev	.24176	.48969	.03839	1.3620	2.7142
%RSD	37.134	305.88	6.7282	1742.6	405.98

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7563.3	5126.5	60386.	9789.6
Stddev	12.2	4.5	86.	94.8
%RSD	.16095	.08784	.14245	.96870

Sample Name: MB 240-87074/1-A Acquired: 5/29/2013 0:49:14 Type: QC
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.28074	F 1.1450	.68483	5.3550	.47518	.07892	F 204.75
Stddev	.31476	12.451	1.1566	.2104	.11840	.03299	2.44
%RSD	112.12	1087.4	168.89	3.9282	24.916	41.797	1.1914

Check ?	Chk Pass	Chk Fail	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail
High Limit		600000.					600000.
Low Limit		400000.					400000.

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0328	-.11426	.02824	1.3795	F 7.5054	104.71	-.56979
Stddev	.0363	.16855	.28943	.5343	1.3653	25.29	1.4539
%RSD	110.9	147.51	1025.1	38.728	18.191	24.153	255.16

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	None
High Limit					240000.		
Low Limit					160000.		

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 58.848	1.9106	.34475	102.34	-.20724	.23988	2.340
Stddev	15.193	.2133	.01477	2.94	.04572	.49209	.621
%RSD	25.818	11.165	4.2833	2.8743	22.060	205.14	26.54

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	600000.						
Low Limit	400000.						

Sample Name: MB 240-87074/1-A Acquired: 5/29/2013 0:49:14 Type: QC
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .96088	.18005	.50096	1.4852	.58087	F 22.114	-10.309
Stddev	2.6690	.24517	.81736	.4681	1.1892	.064	2.912
%RSD	277.77	136.16	163.16	31.515	204.73	.28748	28.244

Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						20.000	
Low Limit						-20.000	

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	6.3365
Stddev	4.8419
%RSD	76.412

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7832.1	5309.1	61250.	9884.8
Stddev	54.9	28.8	279.	36.2
%RSD	.70040	.54160	.45599	.36630

Sample Name: LCS 240-87074/2-A Acquired: 5/29/2013 0:53:06 Type: QC
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 47.525	F 1846.2	F 1870.2	954.21	F 1852.9	F 46.273	F 47209.
Stddev	.287	10.9	6.0	1.88	3.4	.028	133.
%RSD	.60407	.59171	.31891	.19719	.18394	.06123	.28190

Check ?	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	Chk Fail
High Limit	4.0000	600000.	5.0000		5.0000	1.0000	600000.
Low Limit	-4.0000	400000.	-5.0000		-5.0000	-1.0000	400000.

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 47.13	F 458.34	F 184.88	F 229.75	F 955.95	F 46934.	906.19
Stddev	.12	.37	1.18	1.71	3.19	67.	1.67
%RSD	.2519	.07979	.63878	.74616	.33361	.14250	.18389

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None
High Limit	.5000	3.0000	4.0000	5.0000	240000.	500.00	
Low Limit	-.5000	-3.0000	-4.0000	-5.0000	160000.	-500.00	

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 47232.	F 473.91	F 914.69	F 47774.	F 461.26	F 453.68	F 464.6
Stddev	89.	1.19	.75	59.	.43	1.02	3.3
%RSD	.18802	.25129	.08244	.12311	.09309	.22419	.7048

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
High Limit	600000.	5.0000	10.000	1000.0	5.0000	3.0000	6.000
Low Limit	400000.	-5.0000	-10.000	-1000.0	-5.0000	-3.0000	-6.000

Sample Name: LCS 240-87074/2-A Acquired: 5/29/2013 0:53:06 Type: QC
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 1892.1	F 1815.4	941.41	F 1859.7	F 467.22	F 478.23	F 962.98
Stddev	5.8	1.8	1.92	2.3	1.50	1.38	5.66
%RSD	.30404	.09989	.20351	.12295	.32122	.28902	.58815

Check ?	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail
High Limit	5.0000	20.000		10.000	3.0000	20.000	500.00
Low Limit	-5.0000	-20.000		-10.000	-3.0000	-20.000	-500.00

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	F 907.41
Stddev	4.56
%RSD	.50211

Check ?	Chk Fail
High Limit	50.000
Low Limit	-50.000

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7173.8	5103.6	58131.	9885.4
Stddev	44.1	30.5	468.	16.8
%RSD	.61507	.59822	.80518	.17020

Sample Name: 240-24723-F-1-A Acquired: 5/29/2013 0:56:44 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.29111	4.4195	2.9143	51.410	99.854	-.08366	103090.
Stddev	.23004	21.750	.4538	.405	.180	.08194	839.
%RSD	79.023	492.13	15.571	.78694	.18021	97.941	.81388

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3477	.07515	.56844	-.69954	1368.5	3034.9	3.9891
Stddev	.1046	.09918	.19963	.39048	4.6	16.1	.6286
%RSD	30.10	131.97	35.119	55.820	.33968	.53021	15.757

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	32301.	8.8723	7.0238	13339.	.76982	-.13606	3.178
Stddev	118.	.4220	.1842	12.	.22968	1.0992	1.714
%RSD	.36592	4.7559	2.6219	.08724	29.836	807.89	53.92

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24723-F-1-A Acquired: 5/29/2013 0:56:44 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.6120	1.1205	-.41446	1.5084	-2.3558	3.5148	6023.8
Stddev	1.0227	.0811	.90360	1.0223	.9960	.1325	16.6
%RSD	63.444	7.2385	218.02	67.772	42.277	3.7682	.27487

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	20563.
Stddev	52.
%RSD	.25310

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7289.8	5087.6	59431.	9879.6
Stddev	28.3	20.4	109.	106.3
%RSD	.38853	.40026	.18401	1.0757

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.734%	100.87%	101.25%	104.78%
Range				

Sample Name: sd 240-24723-F-1-A@5 Acquired: 5/29/2013 1:00:43 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.32322	7.9709	.69274	11.804	20.660	-.00868	20671.	.2550
Stddev	.26973	5.1396	1.5283	.140	2.203	.04744	185.	.0474
%RSD	83.453	64.480	220.62	1.1871	10.664	546.83	.89553	18.60

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.24703	.11486	.21828	273.86	637.34	.57408	6697.1	1.6821
Stddev	.12127	.09071	.22768	4.47	62.03	.99280	116.6	.0215
%RSD	49.090	78.977	104.31	1.6340	9.7325	172.94	1.7410	1.2753

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.3638	2665.1	-.00391	-.57942	2.031	-.87504	.21963	-.22924
Stddev	.1495	73.3	.23072	.81191	1.416	1.8703	.28047	.13724
%RSD	10.960	2.7491	5903.4	140.12	69.72	213.74	127.70	59.868

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: sd 240-24723-F-1-A@5 Acquired: 5/29/2013 1:00:43 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.2970	-.73157	-.10955	1173.6	4161.9
Stddev	.4515	1.3008	.02604	16.2	23.4
%RSD	34.806	177.81	23.769	1.3773	.56255

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7662.0	5212.8	59586.	9537.2
Stddev	43.4	27.1	229.	43.0
%RSD	.56659	.52044	.38450	.45079

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	103.77%	103.36%	101.52%	101.15%
Range				

Sample Name: 240-24723-F-1-B MS Acquired: 5/29/2013 1:04:35 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.32062	14.341	.20538	338.15	44.330	-.05048	29549.
Stddev	.50652	14.645	1.5941	2.01	.257	.01689	79.
%RSD	157.98	102.12	776.18	.59539	.58043	33.447	.26608

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0781	-.12090	.13016	2.8464	261.41	5021.0	21.382
Stddev	.1580	.20463	.21386	.3971	1.12	25.8	.608
%RSD	202.3	169.26	164.30	13.949	.42905	.51413	2.8453

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9484.3	12.240	.30254	187380.	.44178	.66624	.8439
Stddev	20.8	.097	.04201	2559.	.36111	1.0685	.4614
%RSD	.21928	.78886	13.885	1.3655	81.741	160.38	54.67

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24723-F-1-B MS Acquired: 5/29/2013 1:04:35 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.57907	.38932	.02648	.60493	-.81967	3.1198	3444.8
Stddev	.76740	.41993	.25004	.43854	1.3679	.0276	9.5
%RSD	132.52	107.86	944.37	72.495	166.88	.88597	.27573

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	417.68
Stddev	2.09
%RSD	.50005

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7161.5	5101.1	58714.	9791.9
Stddev	48.0	27.2	323.	26.6
%RSD	.67055	.53289	.55004	.27209

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.996%	101.14%	100.03%	103.85%
Range				

Sample Name: 240-24723-F-1-C MSD Acquired: 5/29/2013 1:08:34 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.2248	-50.261	-2.0749	.79118	-1.6747	-.33730	-6.1733	-.0295
Stddev	.1534	6.478	.2179	.13127	.0241	.02385	6.3285	.0618
%RSD	6.8958	12.890	10.502	16.592	1.4391	7.0716	102.51	209.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.24715	.31889	.26899	-2.5755	-59.579	-5.1491	12.542	-.10352
Stddev	.09940	.14912	.27837	.5814	12.674	.2756	1.602	.01973
%RSD	40.220	46.761	103.49	22.572	21.273	5.3532	12.773	19.064

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.37224	3.9019	-1.8314	.39018	-1.228	-2.5113	-.48120	-.21117
Stddev	.08130	30.592	.0835	.46229	.456	1.7618	.07463	.19412
%RSD	21.841	784.01	4.5597	118.48	37.12	70.156	15.508	91.923

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24723-F-1-C MSD Acquired: 5/29/2013 1:08:34 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.9357	-2.8558	-.47193	-10.770	3.5910
Stddev	.1330	.6400	.05320	6.046	1.7613
%RSD	4.5287	22.409	11.274	56.134	49.048

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	W 18535.	W 12500.	W 144060.	W 21105.
Stddev	207.	126.	5997.	572.
%RSD	1.1170	1.0042	4.1629	2.7090

Check ?	Chk Warn	Chk Warn	Chk Warn	Chk Warn
Value	251.04%	247.84%	245.43%	223.82%
Range	30.500%	30.500%	30.500%	30.500%

Sample Name: 240-24721-D-1-A Acquired: 5/29/2013 1:12:26 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.2856	-37.557	-2.6910	.58272	-1.7297	-.34356	-16.265	-.0482
Stddev	.0820	11.285	.8390	.05963	.1219	.03214	.445	.0453
%RSD	3.5871	30.047	31.177	10.233	7.0496	9.3546	2.7373	93.91

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.23142	.41791	.40388	-2.8626	-100.43	-5.7962	6.9209	-.09635
Stddev	.05101	.07978	.23868	.5323	7.26	.7757	3.6611	.01120
%RSD	22.041	19.090	59.096	18.594	7.2302	13.383	52.899	11.621

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.31885	-54.215	-1.6424	.59083	-2.565	-2.9962	-.38446	-.20649
Stddev	.06481	9.002	.0771	.44663	.873	.2749	.16118	.07129
%RSD	20.328	16.605	4.6963	75.594	34.03	9.1749	41.923	34.526

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24721-D-1-A Acquired: 5/29/2013 1:12:26 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.5987	-2.5320	-.48593	-11.874	1.8307
Stddev	.1388	1.3421	.04491	6.181	.9446
%RSD	5.3392	53.006	9.2411	52.054	51.596

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	W 18666.	W 12526.	W 148920.	W 20971.
Stddev	600.	394.	4084.	976.
%RSD	3.2146	3.1487	2.7427	4.6529

Check ?	Chk Warn	Chk Warn	Chk Warn	Chk Warn
Value	252.81%	248.36%	253.71%	222.41%
Range	30.500%	30.500%	30.500%	30.500%

Sample Name: 240-24721-D-2-A Acquired: 5/29/2013 1:16:17 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.2203	-49.046	-2.1106	.46137	-1.7573	-.34836	-5.5971	-.0050
Stddev	.1779	8.206	.4731	.12392	.0477	.02370	16.876	.0235
%RSD	8.0106	16.731	22.417	26.860	2.7149	6.8046	301.51	472.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.16513	.43035	.40853	-2.4875	-100.08	-6.8597	14.499	-.08499
Stddev	.07546	.09837	.23282	.1241	13.97	.5004	2.257	.00245
%RSD	45.695	22.858	56.990	4.9901	13.959	7.2956	15.569	2.8840

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.26553	4.0176	-1.6028	.22588	-1.234	-2.4496	-.52681	-.25837
Stddev	.04114	91.668	.0737	.27595	.913	.6673	.06634	.09555
%RSD	15.493	2281.7	4.5964	122.17	74.05	27.241	12.592	36.982

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24721-D-2-A Acquired: 5/29/2013 1:16:17 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.7492	-2.8916	-.46853	-13.438	2.8823
Stddev	.1909	.6106	.11312	2.665	.5629
%RSD	6.9423	21.116	24.143	19.834	19.531

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	W 18094.	W 12168.	W 148780.	W 21844.
Stddev	856.	578.	2875.	902.
%RSD	4.7310	4.7484	1.9322	4.1303

Check ?	Chk Warn	Chk Warn	Chk Warn	Chk Warn
Value	245.07%	241.25%	253.49%	231.67%
Range	30.500%	30.500%	30.500%	30.500%

Sample Name: 240-24723-F-2-A Acquired: 5/29/2013 1:20:10 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.18260	1607.0	1.9002	883.62	23.051	.02725	49285.
Stddev	.26530	17.9	.6482	3.82	.172	.03171	204.
%RSD	145.29	1.1149	34.112	.43223	.74437	116.35	.41424

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0975	.87443	3.9073	8.5542	2469.4	5348.7	21.702
Stddev	.1012	.08113	.1160	.8090	6.5	40.1	.563
%RSD	103.8	9.2779	2.9682	9.4575	.26177	.75034	2.5963

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16790.	99.649	.18951	266220.	3.4392	1.2484	1.264
Stddev	73.	.110	.08861	2219.	.4173	.7563	1.901
%RSD	.43206	.10992	46.757	.83367	12.134	60.582	150.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24723-F-2-A Acquired: 5/29/2013 1:20:10 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.4582	.50682	15.902	1.0029	3.7268	28.290	5629.3
Stddev	.8645	.10930	1.243	.3416	1.1456	.232	44.4
%RSD	59.288	21.566	7.8152	34.060	30.740	.82178	.78892

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1926.2
Stddev	8.8
%RSD	.45577

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7080.7	5091.4	57993.	9792.0
Stddev	8.2	11.1	146.	60.3
%RSD	.11587	.21892	.25208	.61589

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.902%	100.95%	98.805%	103.85%
Range				

Sample Name: 240-24723-F-3-A Acquired: 5/29/2013 1:24:07 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.0365	-44.777	-2.0940	.84642	-1.7315	-.33912	-4.6788	.0212
Stddev	.1023	6.056	.1762	.11301	.1478	.00752	9.3592	.0321
%RSD	5.0239	13.525	8.4145	13.351	8.5376	2.2178	200.03	151.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.23681	.26935	.53953	-2.1038	-41.848	-4.8782	10.568	-.10897
Stddev	.12819	.17779	.21475	.7976	5.956	.6731	4.140	.00927
%RSD	54.134	66.006	39.803	37.914	14.233	13.797	39.180	8.5100

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.17415	38.889	-1.7261	.26600	-1.474	-3.0144	-.44906	-.26079
Stddev	.01188	44.693	.0357	.11442	.601	.7487	.23747	.08726
%RSD	6.8222	114.92	2.0695	43.015	40.77	24.836	52.881	33.459

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24723-F-3-A Acquired: 5/29/2013 1:24:07 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.5144	-2.9628	-.47667	-8.8480	2.6068
Stddev	.4472	.3842	.05851	5.8333	1.4279
%RSD	17.786	12.967	12.275	65.928	54.777

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	W 18560.	W 12479.	W 144300.	W 21447.
Stddev	484.	311.	2173.	904.
%RSD	2.6073	2.4948	1.5056	4.2161

Check ?	Chk Warn	Chk Warn	Chk Warn	Chk Warn
Value	251.37%	247.43%	245.85%	227.45%
Range	30.500%	30.500%	30.500%	30.500%

Sample Name: CCV Acquired: 5/29/2013 1:28:00 Type: QC
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	966.42	23339.	482.29	4808.0	1884.1	1906.6	48016.	479.0
Stddev	.53	55.	2.73	11.3	3.1	1.3	98.	1.0
%RSD	.05518	.23602	.56526	.23462	.16537	.06775	.20422	.2152

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1886.9	1883.0	1865.8	23761.	47488.	4743.3	48340.	1928.2
Stddev	3.3	4.1	4.9	14.	113.	10.5	80.	3.3
%RSD	.17619	.21602	.26450	.05903	.23886	.22119	.16568	.17098

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1875.3	49200.	1902.8	470.85	475.2	482.40	4805.6	4844.9
Stddev	3.0	476.	8.9	.98	2.0	3.15	7.2	43.0
%RSD	.16156	.96655	.46732	.20824	.4132	.65330	.14909	.88683

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: CCV Acquired: 5/29/2013 1:28:00 Type: QC
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	955.38	1876.6	1941.6	5115.7	4692.9
Stddev	2.87	5.7	7.3	47.4	16.3
%RSD	.29994	.30212	.37798	.92574	.34728

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6822.4	4917.6	55385.	8949.3
Stddev	20.3	19.0	286.	315.6
%RSD	.29702	.38548	.51643	3.5271

Sample Name: CCB Acquired: 5/29/2013 1:31:47 Type: QC
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.52331	31.884	-.03557	13.047	2.7557	F 2.7433	79.335
Stddev	.48951	40.279	.98585	2.967	4.1089	4.2123	111.65
%RSD	93.540	126.33	2771.8	22.737	149.10	153.55	140.73

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						1.0000	
Low Limit						-1.0000	

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3493	1.0611	.21775	-.07919	34.943	178.36	6.4202
Stddev	.2477	.9567	.12464	.14233	52.340	87.41	10.535
%RSD	70.93	90.163	57.239	179.73	149.78	49.010	164.09

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	70.105	.13443	2.9743	143.40	6.1842	1.1642	1.737
Stddev	107.38	.02660	.9384	111.01	1.2563	.6994	.441
%RSD	153.17	19.784	31.550	77.411	20.314	60.080	25.41

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: CCB Acquired: 5/29/2013 1:31:47 Type: QC
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.68802	4.4332	1.7875	.64410	2.1739	3.9294	3.0603
Stddev	2.0976	2.2639	.4729	.61307	4.9021	1.2564	15.701
%RSD	304.87	51.066	26.454	95.181	225.50	31.974	513.06

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	11.116
Stddev	8.879
%RSD	79.877

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7509.6	5138.1	59152.	9282.3
Stddev	19.7	11.4	191.	91.1
%RSD	.26268	.22216	.32234	.98122

Sample Name: 240-24723-F-4-A Acquired: 5/29/2013 1:35:42 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.0070	-35.022	-2.2983	3.1063	-1.5388	-.19462	-12.248	-.0448
Stddev	.0517	3.395	.5421	.1003	.4696	.13142	2.232	.0334
%RSD	2.5786	9.6926	23.585	3.2296	30.519	67.524	18.220	74.61

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.12674	.49999	.52259	-.45254	-88.370	-5.4166	10.011	-.00992
Stddev	.04615	.15180	.05547	1.8789	10.245	.5780	6.401	.06976
%RSD	36.412	30.361	10.615	415.20	11.593	10.672	63.936	702.97

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.59281	-39.113	2.6267	.63578	-.1178	-2.0106	-.03481	.23603
Stddev	.12507	9.393	.4496	.39655	.7235	.9436	.30927	.51024
%RSD	21.098	24.015	17.115	62.372	614.1	46.935	888.49	216.18

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24723-F-4-A Acquired: 5/29/2013 1:35:42 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.5716	-1.3016	1.5322	-13.077	3.8076
Stddev	.1810	1.4128	.2525	3.059	2.2614
%RSD	7.0371	108.55	16.476	23.395	59.392

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	W 16695.	W 11189.	W 132140.	W 19141.
Stddev	246.	164.	3886.	3764.
%RSD	1.4746	1.4621	2.9406	19.663

Check ?	Chk Warn	Chk Warn	Chk Warn	Chk Warn
Value	226.12%	221.84%	225.14%	203.00%
Range	30.500%	30.500%	30.500%	30.500%

Sample Name: 240-24727-I-1-A Acquired: 5/29/2013 1:39:32 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.3396	-41.382	-2.3350	1.7645	-1.7626	-.34445	-17.124	.0060
Stddev	.0855	9.677	.3400	.0578	.1398	.02723	.202	.0328
%RSD	3.6543	23.385	14.560	3.2777	7.9325	7.9065	1.1772	546.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.26373	.47775	.13985	-2.7428	-99.492	-7.0276	10.017	-.10974
Stddev	.00782	.01138	.15865	.4548	20.851	.5392	.851	.00652
%RSD	2.9662	2.3821	113.44	16.581	20.958	7.6727	8.4971	5.9451

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.36018	-55.285	-1.7198	.60724	-1.476	-3.0465	-.44967	-.15608
Stddev	.07289	1.878	.1404	.31897	.321	.4920	.21062	.27490
%RSD	20.236	3.3976	8.1651	52.529	21.73	16.150	46.838	176.13

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24727-I-1-A Acquired: 5/29/2013 1:39:32 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.5763	-2.8958	-.49839	-11.446	2.1897
Stddev	.0522	.2263	.16830	7.805	2.4534
%RSD	2.0250	7.8160	33.768	68.185	112.05

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	W 19590.	W 13189.	W 157090.	W 20934.
Stddev	806.	529.	4270.	1511.
%RSD	4.1167	4.0081	2.7182	7.2180

Check ?	Chk Warn	Chk Warn	Chk Warn	Chk Warn
Value	265.33%	261.49%	267.64%	222.01%
Range	30.500%	30.500%	30.500%	30.500%

Sample Name: 240-24727-I-2-A Acquired: 5/29/2013 1:43:24 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.9981	-38.914	-2.6715	1.2382	-1.5255	-.34243	-17.732	-.0609
Stddev	.2430	9.620	.3187	.1375	.1342	.01425	.516	.0175
%RSD	12.159	24.721	11.930	11.108	8.7950	4.1614	2.9092	28.70

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.36488	.31606	.23931	-2.6327	-117.10	-6.0780	8.4044	-.08511
Stddev	.02765	.10202	.30748	.3581	11.50	.0841	3.5379	.00688
%RSD	7.5775	32.278	128.49	13.603	9.8202	1.3833	42.095	8.0784

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.23651	-52.945	-1.6605	.52789	-1.790	-2.5563	-.50701	-.08764
Stddev	.09793	9.942	.1348	.25741	.633	.6291	.13180	.11434
%RSD	41.406	18.778	8.1171	48.762	35.38	24.608	25.995	130.46

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24727-I-2-A Acquired: 5/29/2013 1:43:24 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.7632	-3.2761	-.48165	-13.584	.27790
Stddev	.4362	.0815	.04112	1.666	.43488
%RSD	15.785	2.4893	8.5379	12.268	156.49

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	W 18536.	W 12459.	W 147550.	W 19350.
Stddev	62.	51.	5284.	1023.
%RSD	.33506	.40639	3.5808	5.2848

Check ?	Chk Warn	Chk Warn	Chk Warn	Chk Warn
Value	251.05%	247.03%	251.39%	205.21%
Range	30.500%	30.500%	30.500%	30.500%

Sample Name: 240-24729-J-1-A Acquired: 5/29/2013 1:47:15 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.3661	-44.675	-2.1501	.82753	-1.6978	-.34685	-17.770	-.0736
Stddev	.1718	6.117	.2187	.08207	.0826	.02028	.702	.0507
%RSD	7.2616	13.693	10.172	9.9175	4.8651	5.8469	3.9488	68.92

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.26234	.46260	.38194	-2.6157	-118.77	-6.4778	7.8377	-.08762
Stddev	.07184	.10439	.24730	.2357	12.46	.1061	.0714	.01318
%RSD	27.383	22.565	64.750	9.0120	10.486	1.6378	.91133	15.046

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.25292	-59.507	-1.7794	.04398	-1.711	-2.1979	-.41720	-.17322
Stddev	.07134	3.096	.1269	.81815	.616	.2157	.02372	.12507
%RSD	28.206	5.2031	7.1339	1860.5	36.03	9.8124	5.6859	72.203

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24729-J-1-A Acquired: 5/29/2013 1:47:15 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.6888	-2.6122	-.47549	-15.851	1.7821
Stddev	.2750	.5455	.08663	3.275	.4898
%RSD	10.228	20.885	18.219	20.663	27.485

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	W 19005.	W 12750.	W 149130.	W 20354.
Stddev	503.	310.	10418.	433.
%RSD	2.6453	2.4320	6.9854	2.1270

Check ?	Chk Warn	Chk Warn	Chk Warn	Chk Warn
Value	257.40%	252.79%	254.08%	215.87%
Range	30.500%	30.500%	30.500%	30.500%

Sample Name: 240-24733-J-1-A Acquired: 5/29/2013 1:51:07 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	s 2.2970	-46.970	k -2.5606	.71651	-1.5994	-.33675	-17.509
Stddev	.0288	2.720	.5018	.16085	.1254	.02313	1.496
%RSD	1.2529	5.7899	19.596	22.449	7.8431	6.8678	8.5418

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	k .0145	k -.20814	s .47225	s .24792	-2.3776	-113.48	-6.4199
Stddev	.0569	.02267	.10260	.41176	.2460	6.68	.3138
%RSD	391.4	10.890	21.726	166.09	10.346	5.8888	4.8875

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.6770	s -.09141	.17911	-46.725	k -1.7808	k -.01592	k -2.145
Stddev	5.1349	.00978	.03907	2.216	.1563	.32187	.821
%RSD	66.887	10.695	21.814	4.7427	8.7781	2021.9	38.29

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24733-J-1-A Acquired: 5/29/2013 1:51:07 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	k -2.7175	-.57455	s -.20398	k 2.6778	-2.7352	k -.49831	-11.906
Stddev	1.2487	.10257	.12643	.3620	.1838	.02063	1.890
%RSD	45.951	17.852	61.983	13.517	6.7180	4.1399	15.875

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	3.4880
Stddev	1.5964
%RSD	45.769

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	W 18860.	W 12667.	^W *****	W 19988.
Stddev	139.	82.	-----	739.
%RSD	.73952	.65011	-----	3.6972

Check ?	Chk Warn	Chk Warn	Chk Warn	Chk Warn
Value	255.44%	251.14%	256.80%	211.98%
Range	30.500%	30.500%	30.500%	30.500%

Sample Name: 240-24734-J-1-A Acquired: 5/29/2013 1:54:59 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.2883	-48.737	-1.5790	.44642	-1.6725	-.34776	-17.295	-.0879
Stddev	.1876	7.705	.2615	.03878	.1654	.00702	1.626	.0486
%RSD	8.1980	15.809	16.557	8.6858	9.8918	2.0195	9.4004	55.29

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.25165	.49326	.16188	-2.9185	-125.32	-6.9280	8.2035	-.09254
Stddev	.02194	.16273	.23962	.0697	10.29	.5321	2.3857	.01586
%RSD	8.7179	32.990	148.02	2.3881	8.2111	7.6798	29.081	17.139

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.21386	-47.843	-1.7272	.04849	-1.326	-2.3177	-.48214	-.31864
Stddev	.11431	3.209	.1290	.29796	.655	.2731	.09074	.05690
%RSD	53.450	6.7076	7.4686	614.52	49.38	11.784	18.821	17.856

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24734-J-1-A Acquired: 5/29/2013 1:54:59 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.8764	-3.3954	-.55092	-13.749	2.6668
Stddev	.2201	.4972	.07958	3.301	1.1670
%RSD	7.6531	14.644	14.445	24.006	43.761

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	W 19206.	W 12918.	W 159630.	W 20209.
Stddev	648.	441.	8756.	683.
%RSD	3.3728	3.4175	5.4850	3.3803

Check ?	Chk Warn	Chk Warn	Chk Warn	Chk Warn
Value	260.12%	256.13%	271.97%	214.32%
Range	30.500%	30.500%	30.500%	30.500%

Sample Name: 240-24735-J-1-A Acquired: 5/29/2013 1:58:52 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.3608	-44.162	-2.4458	.33174	-1.7046	-.33123	-17.285	-.0238
Stddev	.1998	1.897	.5188	.11918	.0640	.00382	.403	.0184
%RSD	8.4639	4.2954	21.212	35.926	3.7565	1.1541	2.3311	77.14

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.26368	.50637	.08198	-2.3503	-145.46	-7.0827	10.640	-.08445
Stddev	.14627	.11524	.42523	.6363	10.69	.9770	5.746	.01335
%RSD	55.472	22.759	518.69	27.073	7.3490	13.794	54.006	15.804

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.15810	-59.618	-1.7377	.20931	-1.545	-2.7393	-.55021	-.29315
Stddev	.05483	.970	.2160	.23946	.563	.5534	.05248	.08113
%RSD	34.683	1.6268	12.433	114.41	36.43	20.200	9.5384	27.674

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24735-J-1-A Acquired: 5/29/2013 1:58:52 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.3620	-2.3584	-.53938	-14.531	.77495
Stddev	.1147	.5019	.07471	5.623	.90083
%RSD	4.8552	21.280	13.852	38.695	116.24

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	W 18801.	W 12603.	W 151430.	W 20974.
Stddev	393.	256.	7597.	398.
%RSD	2.0898	2.0339	5.0166	1.8971

Check ?	Chk Warn	Chk Warn	Chk Warn	Chk Warn
Value	254.64%	249.87%	257.99%	222.43%
Range	30.500%	30.500%	30.500%	30.500%

Sample Name: 240-24737-J-1-A Acquired: 5/29/2013 2:02:42 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	s 2.1523	-47.055	k -2.3283	.17933	-1.7258	-.33546	-17.208
Stddev	.1441	6.784	.2135	.08077	.2844	.02227	1.616
%RSD	6.6951	14.418	9.1685	45.042	16.479	6.6386	9.3914

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	k -.0117	k -.30413	s .32974	s .51847	-3.1253	-115.46	-6.7126
Stddev	.0061	.09931	.15534	.36501	.3045	4.83	.8729
%RSD	52.20	32.654	47.109	70.400	9.7446	4.1875	13.004

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.8859	s -.10383	.19798	-55.396	k -1.8282	k .22465	k -1.847
Stddev	5.4514	.01102	.05660	13.656	.0636	.13011	.284
%RSD	69.128	10.614	28.586	24.652	3.4775	57.918	15.36

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24737-J-1-A Acquired: 5/29/2013 2:02:42 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	k -2.2807	-.52610	s -.25032	k 2.6661	-2.8639	k -.57271	-14.273
Stddev	.3075	.11459	.09488	.5193	.5739	.01684	.878
%RSD	13.480	21.781	37.903	19.479	20.038	2.9405	6.1552

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	2.1491
Stddev	.3086
%RSD	14.360

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	W 19551.	W 13094.	^W *****	W 20717.
Stddev	672.	461.	-----	3325.
%RSD	3.4383	3.5220	-----	16.048

Check ?	Chk Warn	Chk Warn	Chk Warn	Chk Warn
Value	264.80%	259.61%	255.37%	219.71%
Range	30.500%	30.500%	30.500%	30.500%

Sample Name: 240-24738-J-1-A Acquired: 5/29/2013 2:06:33 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.9961	-42.111	-2.5060	.13385	-1.5318	-.32943	-16.815	-.0409
Stddev	.1986	9.369	.0898	.02144	.0490	.02753	.595	.0124
%RSD	9.9505	22.249	3.5816	16.019	3.2014	8.3577	3.5397	30.30

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.20600	.43193	.36756	-2.3434	-120.98	-7.2017	6.6516	-.07799
Stddev	.10325	.11834	.39146	.7502	16.71	.2964	5.6090	.02348
%RSD	50.121	27.398	106.50	32.013	13.809	4.1150	84.325	30.100

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.19353	-58.690	-1.7376	.08449	-1.646	-2.1578	-.39422	-.27327
Stddev	.08548	4.356	.0821	.73614	.184	.8115	.15965	.15660
%RSD	44.167	7.4218	4.7269	871.31	11.18	37.607	40.499	57.304

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24738-J-1-A Acquired: 5/29/2013 2:06:33 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.5804	-2.4971	-.47079	-17.567	.67944
Stddev	.2767	.7334	.05855	2.427	1.4456
%RSD	10.723	29.369	12.438	13.815	212.76

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	W 18685.	W 12555.	W 136910.	W 20012.
Stddev	411.	236.	9674.	333.
%RSD	2.1977	1.8819	7.0660	1.6627

Check ?	Chk Warn	Chk Warn	Chk Warn	Chk Warn
Value	253.07%	248.94%	233.26%	212.24%
Range	30.500%	30.500%	30.500%	30.500%

Sample Name: 240-24740-D-1-A Acquired: 5/29/2013 2:10:25 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.4022	-41.149	-2.3209	.06764	-1.8342	-.35447	-17.597	-.0147
Stddev	.1177	6.811	.4110	.05089	.0702	.01656	1.186	.0295
%RSD	4.9007	16.551	17.709	75.231	3.8264	4.6726	6.7404	200.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.19977	.38026	.19285	-2.7460	-114.10	-6.9091	4.1515	-.08544
Stddev	.06291	.15452	.16435	.2614	13.62	.3538	1.0301	.02622
%RSD	31.492	40.636	85.222	9.5177	11.934	5.1200	24.812	30.686

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.20733	-63.748	-1.9476	-.18386	-2.135	-2.4275	-.49666	-.33040
Stddev	.06945	4.078	.2261	.45447	.251	.4694	.20960	.09883
%RSD	33.496	6.3976	11.611	247.18	11.74	19.339	42.202	29.913

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24740-D-1-A Acquired: 5/29/2013 2:10:25 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.4884	-2.9857	-.56952	-16.692	4.2867
Stddev	.0921	1.1997	.06094	1.482	2.5074
%RSD	3.6995	40.182	10.700	8.8800	58.494

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	W 19680.	W 13221.	W 152390.	W 21459.
Stddev	267.	184.	6096.	134.
%RSD	1.3586	1.3929	4.0000	.62330

Check ?	Chk Warn	Chk Warn	Chk Warn	Chk Warn
Value	266.55%	262.14%	259.63%	227.58%
Range	30.500%	30.500%	30.500%	30.500%

Sample Name: CCV Acquired: 5/29/2013 2:14:18 Type: QC
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	971.70	23694.	499.32	4920.5	1902.2	1948.3	48987.	487.6
Stddev	.66	96.	1.36	3.6	8.4	9.1	187.	.6
%RSD	.06757	.40506	.27328	.07286	.44036	.46602	.38088	.1264

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1918.5	1914.5	1890.4	24325.	48136.	4813.4	49734.	1960.3
Stddev	1.0	7.7	2.7	121.	206.	22.4	277.	3.5
%RSD	.05363	.40031	.14483	.49890	.42793	.46640	.55780	.17673

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1926.5	49218.	1918.1	477.73	483.7	491.52	4819.9	4949.2
Stddev	2.5	196.	2.4	.70	1.2	1.66	10.1	69.4
%RSD	.12803	.39724	.12737	.14665	.2472	.33838	.20945	1.4028

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: CCV Acquired: 5/29/2013 2:14:18 Type: QC
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	972.03	1915.9	1954.1	5102.0	4814.8
Stddev	.43	6.4	7.1	72.0	24.7
%RSD	.04422	.33496	.36554	1.4108	.51331

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7052.8	5048.6	58018.	9745.4
Stddev	41.5	34.1	542.	65.7
%RSD	.58819	.67481	.93404	.67460

Sample Name: CCB Acquired: 5/29/2013 2:18:11 Type: QC
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.70538	7.3549	.35140	9.6417	.16735	.52383	20.510	.1688
Stddev	.13947	9.5673	.72152	.3389	.47081	.34821	8.890	.0652
%RSD	19.773	130.08	205.33	3.5146	281.34	66.474	43.343	38.62

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.14013	.45509	1.2520	6.7637	78.478	1.5753	24.162	.31105
Stddev	.15138	.24200	.7093	3.6145	17.198	2.0323	14.277	.02314
%RSD	108.03	53.176	56.652	53.440	21.915	129.01	59.090	7.4396

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.2500	41.171	.58946	.99492	.3285	.50063	1.8616	1.8881
Stddev	.1933	18.784	.29219	.71200	1.342	.80112	.3278	.2738
%RSD	8.5913	45.625	49.568	71.563	408.5	160.02	17.607	14.501

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB Acquired: 5/29/2013 2:18:11 Type: QC
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.1921	.22699	.76622	-6.8690	3.6105
Stddev	.5098	1.0670	.16116	1.1949	2.2983
%RSD	42.762	470.06	21.034	17.395	63.657

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7818.3	5282.2	61975.	9973.1
Stddev	22.9	16.4	303.	62.6
%RSD	.29315	.30972	.48920	.62727

Sample Name: 240-24740-D-2-A Acquired: 5/29/2013 2:22:05 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.3140	-43.059	-2.3724	2.2179	-1.4939	-.30416	-16.007	-.0120
Stddev	.1670	5.783	.1392	.0695	.2472	.05907	2.069	.0023
%RSD	7.2180	13.430	5.8685	3.1346	16.548	19.421	12.924	19.20

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.30579	.59685	.52595	-1.7495	-89.802	-5.6129	9.6763	-.02974
Stddev	.06434	.25732	.37719	.7877	13.218	.1076	.5842	.09674
%RSD	21.041	43.114	71.716	45.026	14.719	1.9177	6.0377	325.31

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.57731	-61.626	-1.6765	.33461	-1.749	-2.4799	-.37299	.08179
Stddev	.06627	10.785	.0365	.61043	1.101	.8168	.16956	.29314
%RSD	11.480	17.500	2.1777	182.43	62.95	32.939	45.460	358.40

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24740-D-2-A Acquired: 5/29/2013 2:22:05 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.9253	-3.2544	-.53985	-14.712	2.9520
Stddev	.2439	1.0579	.10473	1.457	.6741
%RSD	8.3368	32.508	19.399	9.9067	22.834

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	W 19252.	W 12868.	W 152820.	W 20523.
Stddev	566.	374.	7239.	1392.
%RSD	2.9374	2.9043	4.7369	6.7836

Check ?	Chk Warn	Chk Warn	Chk Warn	Chk Warn
Value	260.76%	255.13%	260.37%	217.65%
Range	30.500%	30.500%	30.500%	30.500%

Sample Name: 240-24740-D-3-A Acquired: 5/29/2013 2:25:57 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.3538	-43.932	-1.6706	1.4903	-1.6983	-.34079	-17.396	-.0849
Stddev	.1348	8.383	.6688	.1392	.1338	.00184	.192	.0809
%RSD	5.7269	19.082	40.033	9.3427	7.8781	.54104	1.1011	95.22

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.27683	.42285	.57777	-2.3918	-126.46	-6.4623	12.908	-.10728
Stddev	.06502	.08805	.14765	.1752	20.17	.7757	3.204	.01442
%RSD	23.488	20.823	25.555	7.3232	15.951	12.004	24.824	13.437

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.38802	-63.529	-1.8603	.21749	-1.924	-2.9713	-.42791	-.19597
Stddev	.07052	2.365	.0633	.15278	.541	.3291	.04043	.25098
%RSD	18.175	3.7231	3.4034	70.247	28.13	11.076	9.4476	128.07

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24740-D-3-A Acquired: 5/29/2013 2:25:57 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.7108	-2.2148	-.55269	-14.407	2.0728
Stddev	.0580	1.6208	.12372	3.136	1.8638
%RSD	2.1400	73.181	22.385	21.766	89.915

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	W 19327.	W 12916.	W 152150.	W 20601.
Stddev	481.	310.	6334.	662.
%RSD	2.4861	2.3994	4.1632	3.2143

Check ?	Chk Warn	Chk Warn	Chk Warn	Chk Warn
Value	261.77%	256.08%	259.22%	218.48%
Range	30.500%	30.500%	30.500%	30.500%

Sample Name: 240-24741-B-1-A Acquired: 5/29/2013 2:29:49 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.3020	-43.943	-1.8869	1.0440	-1.6440	-.32048	-18.140	-.0445
Stddev	.3563	3.685	.7831	.0896	.0554	.00795	.760	.0189
%RSD	15.477	8.3850	41.499	8.5832	3.3698	2.4808	4.1871	42.44

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.28400	.25510	.61431	-2.9986	-125.36	-6.5112	9.2450	-.11127
Stddev	.10011	.02097	.21280	.1739	9.92	.6643	7.0084	.03083
%RSD	35.248	8.2186	34.641	5.7995	7.9120	10.202	75.808	27.708

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.29421	-60.671	-1.6926	.19439	-2.153	-2.3865	-.38527	-.29216
Stddev	.02549	1.580	.2758	.90241	.593	.3256	.17851	.21176
%RSD	8.6628	2.6035	16.296	464.23	27.54	13.645	46.335	72.480

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24741-B-1-A Acquired: 5/29/2013 2:29:49 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.4180	-2.4672	-.57842	-13.260	2.6928
Stddev	.2304	.5677	.03601	6.203	.1434
%RSD	9.5277	23.010	6.2254	46.781	5.3240

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	W 18878.	W 12643.	W 148710.	W 20132.
Stddev	369.	219.	4705.	482.
%RSD	1.9550	1.7308	3.1635	2.3943

Check ?	Chk Warn	Chk Warn	Chk Warn	Chk Warn
Value	255.69%	250.67%	253.37%	213.51%
Range	30.500%	30.500%	30.500%	30.500%

Sample Name: 240-24742-D-3-A Acquired: 5/29/2013 2:33:40 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.2053	-45.826	-2.2421	.83038	-1.6597	-.35385	-18.176	-.0806
Stddev	.0978	1.644	.4653	.01697	.1439	.00196	.503	.0312
%RSD	4.4341	3.5874	20.753	2.0439	8.6685	.55322	2.7657	38.68

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.27401	.38525	.34917	-2.4277	-123.97	-7.1413	7.1564	-.09895
Stddev	.05783	.06454	.24820	.1490	17.03	.5303	2.1634	.02010
%RSD	21.105	16.753	71.083	6.1391	13.737	7.4262	30.230	20.308

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.24430	-60.163	-1.7969	.49247	-2.628	-2.2477	-.51666	-.28600
Stddev	.07234	8.648	.0591	.40202	.269	.8618	.00265	.06714
%RSD	29.610	14.374	3.2883	81.633	10.22	38.341	.51304	23.475

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24742-D-3-A Acquired: 5/29/2013 2:33:40 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.4278	-2.5721	-.54586	-12.048	.80042
Stddev	.2383	.8061	.03421	5.294	.50633
%RSD	9.8150	31.340	6.2674	43.939	63.258

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	W 19345.	W 12979.	W 150590.	W 20654.
Stddev	501.	321.	7134.	1327.
%RSD	2.5875	2.4698	4.7374	6.4252

Check ?	Chk Warn	Chk Warn	Chk Warn	Chk Warn
Value	262.01%	257.33%	256.57%	219.05%
Range	30.500%	30.500%	30.500%	30.500%

Sample Name: 240-24768-D-1-A Acquired: 5/29/2013 2:37:31 Type: Unk
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.3266	-45.736	-2.3982	.48396	-1.6175	-.35923	-17.962	-.0690
Stddev	.0344	5.492	.1804	.04511	.0648	.01378	.547	.0370
%RSD	1.4791	12.008	7.5227	9.3217	4.0061	3.8350	3.0480	53.59

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.25115	.47968	.52044	-2.5239	-114.07	-7.5088	11.234	-.10160
Stddev	.09153	.07728	.40337	.5848	6.94	.8795	2.524	.02375
%RSD	36.442	16.110	77.506	23.173	6.0829	11.713	22.466	23.375

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.15322	-69.464	-1.8935	.36607	-1.574	-2.2306	-.50348	-.27179
Stddev	.05139	5.319	.1487	.24268	.306	.9372	.04621	.16930
%RSD	33.537	7.6576	7.8558	66.295	19.45	42.018	9.1788	62.292

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24768-D-1-A Acquired: 5/29/2013 2:37:31 Type: Unk
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.4704	-2.7932	-.55568	-14.004	3.3145
Stddev	.1404	.9247	.07751	3.427	1.0940
%RSD	5.6823	33.105	13.949	24.472	33.006

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	W 19083.	W 12812.	W 145740.	W 20479.
Stddev	595.	404.	2036.	551.
%RSD	3.1196	3.1497	1.3971	2.6925

Check ?	Chk Warn	Chk Warn	Chk Warn	Chk Warn
Value	258.46%	254.02%	248.30%	217.19%
Range	30.500%	30.500%	30.500%	30.500%

Sample Name: CCV Acquired: 5/29/2013 2:41:24 Type: QC
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	989.67	23764.	510.63	5059.8	1905.4	1953.0	49047.	502.1
Stddev	3.92	213.	.98	11.3	16.7	17.4	467.	.5
%RSD	.39566	.89826	.19224	.22400	.87432	.89330	.95158	.1051

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1975.3	1948.2	1929.9	24326.	48289.	4832.7	49616.	1972.1
Stddev	1.9	14.1	9.1	203.	399.	38.8	439.	24.6
%RSD	.09603	.72405	.47294	.83309	.82661	.80203	.88562	1.2487

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1983.2	49334.	1973.5	492.10	500.1	507.81	4965.7	4974.1
Stddev	3.4	414.	3.3	2.28	3.2	1.45	.8	56.6
%RSD	.17195	.83900	.16784	.46346	.6461	.28617	.01520	1.1389

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: CCV Acquired: 5/29/2013 2:41:24 Type: QC
 Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1001.5	1922.6	2007.4	5113.4	4820.4
Stddev	2.3	14.7	2.6	98.3	37.4
%RSD	.22873	.76397	.12947	1.9217	.77592

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6921.7	4970.3	57585.	9858.9
Stddev	14.8	9.1	512.	131.0
%RSD	.21407	.18337	.88928	1.3284

Sample Name: CCB Acquired: 5/29/2013 2:45:17 Type: QC
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.75455	30.224	.07199	10.386	1.5803	F 1.9203	55.861
Stddev	.18511	39.909	1.5682	.669	2.2603	2.4375	58.927
%RSD	24.533	132.04	2178.4	6.4439	143.03	126.93	105.49

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						1.0000	
Low Limit						-1.0000	

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1936	.29069	.64379	1.0801	24.701	126.19	3.7163
Stddev	.1035	.28954	.43916	.1696	30.124	59.90	4.7868
%RSD	53.45	99.605	68.215	15.702	121.95	47.472	128.81

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	58.917	.60040	2.4729	57.140	.63479	-.81703	2.177
Stddev	67.326	.08759	.3303	63.149	.33084	.03276	.625
%RSD	114.27	14.588	13.356	110.52	52.119	4.0094	28.69

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: CCB Acquired: 5/29/2013 2:45:17 Type: QC
Method: Standard Method + IEC Checks(v165) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.3286	2.2464	2.8912	.86026	2.0565	1.0055	-3.7152
Stddev	1.4116	.1930	.4287	.35667	3.2882	.1153	5.2795
%RSD	106.25	8.5929	14.827	41.461	159.89	11.463	142.11

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	6.0403
Stddev	7.8837
%RSD	130.52

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7815.7	5274.9	60765.	10031.
Stddev	25.5	22.9	223.	148.
%RSD	.32590	.43444	.36763	1.4803

Sample Name: Blank Acquired: 5/29/2013 10:00:29 Type: Cal
Method: Standard Method + IEC Checks(v164) Mode: IR Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.00120	.00213	.00057	.00104	.01355	-.00407	.01615
Stddev	.00014	.00017	.00010	.00031	.00082	.00044	.00033
%RSD	11.916	8.0062	17.997	29.879	6.0617	10.731	2.0197

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0006	.00076	-.00033	-.00121	.00119	.00523	.00837
Stddev	.0003	.00038	.00007	.00008	.00018	.00027	.00107
%RSD	43.16	50.389	21.391	6.9336	14.903	5.1967	12.780

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.00058	.00058	-.00004	.01742	.00297	.00042	.0019
Stddev	.00019	.00002	.00018	.00037	.00015	.00051	.0003
%RSD	32.625	3.5753	407.54	2.1415	5.0641	123.13	16.78

Elem	Se1960	Sn1899	Ti3372	Tl1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00030	.00061	.00098	-.00098	.00105	.00339	.00011
Stddev	.00013	.00018	.00018	.00010	.00027	.00014	.00035
%RSD	42.795	30.288	18.332	10.047	26.130	4.0997	326.63

Elem	Sr3464
IS Ref	(Y_3710)
Units	Cts/S
Avg	.00020
Stddev	.00083
%RSD	414.17

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7110.4	5637.5	65845.	10806.
Stddev	46.6	33.3	50.	245.
%RSD	.65507	.58982	.07628	2.2698

Sample Name: SCAL1 Acquired: 5/29/2013 10:04:22 Type: Cal
Method: Standard Method + IEC Checks(v164) Mode: IR Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	As1890	B_1826	Ba4554	Be3130	Cd2288	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.74978	.14001	6.6563	21.384	38.733	3.133	5.0300	1.3864
Stddev	.00052	.00072	.0252	.273	.321	.013	.0160	.0014
%RSD	.06981	.51264	.37885	1.2751	.82987	.4042	.31793	.10435

Elem	Cu3273	Li6707	Mn2576	Mo2020	Ni2316	Pb2203	Sb2175	Se1960
IS Ref	(Y_3600)	(Y_3710)	(Y_3600)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.89492	11.507	8.4184	5.3094	2.9260	.44956	.2033	.13397
Stddev	.00089	.050	.1033	.0188	.0077	.00095	.0008	.00053
%RSD	.09996	.43734	1.2272	.35387	.26389	.21200	.4009	.39793

Elem	Sn1899	Ti3372	Tl1908	V_2908	Zn2062	Sr3464
IS Ref	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.4334	9.2345	.38238	.84621	6.5283	2.0888
Stddev	.0107	.1346	.00124	.00201	.0175	.0106
%RSD	.31310	1.4572	.32431	.23775	.26796	.50507

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6745.4	5505.6	64322.	10928.
Stddev	18.5	19.7	184.	34.
%RSD	.27358	.35767	.28536	.31411

Sample Name: SCAL2 Acquired: 5/29/2013 10:08:36 Type: Cal
 Method: Standard Method + IEC Checks(v164) Mode: IR Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Al3082	Ca3179	Fe2599	K_7664	Mg2790	Na5895	Si2516
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.3293	23.485	11.560	4.5530	2.7960	19.790	.67120
Stddev	.0009	.522	.051	.0035	.0158	.031	.00206
%RSD	.06992	2.2228	.44372	.07764	.56434	.15875	.30706

Int. Std.	Y_3710
Units	Cts/S
Avg	10414.
Stddev	296.
%RSD	2.8388

Sample Name: ICV Acquired: 5/29/2013 10:12:35 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	761.19	12399.	373.80	1524.3	1532.9	1568.3	26094.	370.2
Stddev	2.58	22.	1.51	3.6	4.5	4.0	13.	.2
%RSD	.33916	.17700	.40279	.23926	.29351	.25706	.05036	.0613

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1491.8	1481.5	1485.3	12636.	25286.	998.50	25108.	1520.3
Stddev	2.4	1.6	5.7	43.	59.	3.23	34.	3.6
%RSD	.16105	.10549	.38656	.34284	.23351	.32358	.13654	.23602

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1492.0	25354.	1490.4	367.30	373.9	371.49	1498.3	1534.6
Stddev	1.7	52.	1.9	.49	1.0	2.60	4.4	2.9
%RSD	.11615	.20334	.12478	.13450	.2599	.70019	.29036	.18685

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: ICV Acquired: 5/29/2013 10:12:35 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	743.29	1522.2	1503.2	3135.9	4487.1
Stddev	.48	5.8	3.3	32.6	10.0
%RSD	.06506	.38223	.22047	1.0397	.22211

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6662.1	5475.4	64363.	10662.
Stddev	23.6	9.8	262.	51.
%RSD	.35389	.17860	.40652	.48291

Sample Name: ICB Acquired: 5/29/2013 10:16:15 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.21482	25.509	.96171	8.8663	.81423	.61734	88.211	.0844
Stddev	.45430	13.870	1.2458	.1742	.70827	.80884	32.833	.1090
%RSD	211.48	54.373	129.54	1.9647	86.986	131.02	37.221	129.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.00938	2.7433	-.01474	32.816	140.01	1.8924	27.066	3.1714
Stddev	.24467	.8372	.96355	15.559	44.62	.4709	42.175	.7598
%RSD	2607.9	30.517	6538.1	47.411	31.866	24.884	155.83	23.957

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.6226	33.861	4.1964	-.87586	-.7964	-.32338	.58759	.72606
Stddev	.1301	30.637	.3639	.29126	.7567	1.4555	.41607	.91537
%RSD	8.0212	90.479	8.6705	33.254	95.02	450.08	70.809	126.07

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: ICB Acquired: 5/29/2013 10:16:15 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.26633	.45662	3.9356	7.0450	1.5667
Stddev	.29030	1.7407	.1505	1.7596	5.1200
%RSD	109.00	381.22	3.8241	24.977	326.80

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7070.2	5590.5	66140.	10631.
Stddev	54.7	37.9	417.	51.
%RSD	.77423	.67773	.63014	.48409

Sample Name: CRI Acquired: 5/29/2013 10:20:12 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.7714	212.72	15.587	207.68	10.788	5.7282	5230.5	5.082
Stddev	.1956	2.33	.863	.66	.844	.9363	5.7	.119
%RSD	4.0985	1.0944	5.5376	.31930	7.8224	16.345	.10974	2.335

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.7750	5.0252	14.879	315.04	5111.9	53.793	5236.5	16.727
Stddev	.2085	.1579	.649	6.70	15.7	1.332	14.1	.099
%RSD	4.3674	3.1430	4.3612	2.1273	.30631	2.4767	.26846	.58985

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.190	5157.3	24.812	9.5006	7.952	19.760	99.106	50.702
Stddev	.111	9.8	.296	.2622	1.040	1.050	.171	.154
%RSD	1.0926	.19002	1.1920	2.7603	13.08	5.3118	.17274	.30280

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: CRI Acquired: 5/29/2013 10:20:12 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	TI1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	15.259	8.1851	39.123	511.82	54.106
Stddev	1.076	1.8871	.108	11.74	4.867
%RSD	7.0540	23.055	.27640	2.2933	8.9953

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7008.4	5578.4	65864.	10568.
Stddev	35.1	24.7	169.	69.
%RSD	.50113	.44274	.25649	.65086

Sample Name: CRILL Acquired: 5/29/2013 10:23:59 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.8055	195.39	11.816	201.16	196.12	5.0401	5132.8	2.006
Stddev	.1425	7.11	.667	.29	.37	.0547	4.0	.058
%RSD	2.9647	3.6370	5.6407	.14455	.18789	1.0851	.07698	2.892

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.5725	5.4338	24.400	103.25	4951.9	53.207	5125.1	15.081
Stddev	.0911	.3159	.177	1.56	24.3	.875	39.3	.041
%RSD	1.3865	5.8143	.72396	1.5103	.49070	1.6444	.76734	.27327

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.9592	5050.9	38.374	2.3730	7.114	5.8958	96.620	49.552
Stddev	.1431	6.4	.232	.8310	.642	1.0230	.476	.142
%RSD	1.4365	.12735	.60352	35.020	9.019	17.352	.49312	.28710

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: CRILL Acquired: 5/29/2013 10:23:59 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	11.010	7.8758	18.369	499.54	52.117
Stddev	1.218	1.8588	.132	9.37	.522
%RSD	11.066	23.602	.71887	1.8753	1.0025

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7065.8	5617.2	66062.	10525.
Stddev	61.7	44.0	224.	24.
%RSD	.87376	.78260	.33942	.22566

Sample Name: ICSA Acquired: 5/29/2013 10:27:49 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-0.21543	508090.	-1.6550	1.7038	.32854	-0.42483	486710.
Stddev	.18457	660.	1.5120	.4828	.24053	.01834	5808.
%RSD	85.674	.12980	91.362	28.339	73.211	4.3169	1.1932

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3842	-1.9653	2.6963	-3.1992	189180.	-22.052	-22.124
Stddev	.1359	.1016	.3543	.3469	1133.	40.118	.565
%RSD	35.37	5.1705	13.141	10.842	.59897	181.93	2.5554

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	494800.	2.6832	-2.2086	37.792	.59464	-0.26236	-1.587
Stddev	2363.	.0447	.2401	2.768	.15631	.88233	2.531
%RSD	.47756	1.6678	10.870	7.3246	26.286	336.31	159.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: ICSA Acquired: 5/29/2013 10:27:49 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.0446	3.9361	-.37243	-1.6224	-1.8178	10.165	1.1452
Stddev	1.9155	1.4395	.11116	3.2683	1.0665	.116	2.6547
%RSD	93.686	36.571	29.846	201.45	58.672	1.1418	231.81

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	6.2439
Stddev	2.4276
%RSD	38.879

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5630.6	4998.4	57806.	10517.
Stddev	14.3	11.9	239.	110.
%RSD	.25401	.23873	.41308	1.0418

Sample Name: ICSAB Acquired: 5/29/2013 10:31:49 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1068.1	507090.	990.59	506.10	488.79	494.88	487020.
Stddev	.7	742.	.52	.29	.63	.74	2573.
%RSD	.06816	.14625	.05267	.05711	.12797	.15053	.52832

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1002.	488.26	469.50	512.50	187990.	10175.	500.32
Stddev	1.	.32	1.43	.57	828.	23.	.76
%RSD	.1051	.06619	.30522	.11210	.44057	.22274	.15289

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	494370.	485.41	952.81	10440.	972.60	894.26	1000.
Stddev	1964.	2.10	1.42	22.	1.52	2.78	4.
%RSD	.39725	.43239	.14933	.20857	.15603	.31050	.3595

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Sample Name: ICSAB Acquired: 5/29/2013 10:31:49 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	982.86	510.58	511.18	962.62	477.56	991.25	9937.3
Stddev	2.78	1.69	1.31	1.48	3.25	3.40	21.1
%RSD	.28281	.33195	.25657	.15386	.68036	.34284	.21222

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1445.3
Stddev	5.1
%RSD	.35364

Check ?	Chk Pass
Value	
Range	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5629.6	5025.7	58086.	10371.
Stddev	20.2	18.6	97.	144.
%RSD	.35932	.36943	.16654	1.3902

Sample Name: CCV Acquired: 5/29/2013 10:35:46 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	987.30	25072.	502.90	5018.2	1980.4	2010.9	51751.	498.3
Stddev	1.87	334.	.93	10.7	5.1	8.3	259.	1.0
%RSD	.18951	1.3335	.18582	.21270	.25954	.41191	.49981	.1927

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1945.7	1927.6	1926.5	25136.	49799.	4953.2	50198.	1947.6
Stddev	7.3	3.5	4.0	46.	224.	18.9	216.	3.8
%RSD	.37517	.18033	.20868	.18374	.44914	.38070	.42988	.19643

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1956.7	50315.	1940.1	481.94	498.1	499.65	4951.8	5011.5
Stddev	2.3	169.	9.0	2.99	.8	.42	29.3	29.6
%RSD	.11662	.33538	.46142	.62100	.1628	.08326	.59153	.58989

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: CCV Acquired: 5/29/2013 10:35:46 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	991.25	1972.0	1962.9	5266.3	4939.0
Stddev	2.70	6.5	14.7	84.5	23.9
%RSD	.27231	.33153	.74700	1.6050	.48433

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6527.8	5467.5	63245.	10648.
Stddev	67.3	46.6	211.	122.
%RSD	1.0307	.85148	.33323	1.1494

Sample Name: CCB Acquired: 5/29/2013 10:39:33 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.22197	20.309	1.7841	10.333	.46954	.33286	31.512	.2269
Stddev	.25371	8.120	1.1371	2.469	.26468	.45354	12.138	.4004
%RSD	114.30	39.980	63.737	23.892	56.370	136.25	38.520	176.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.69137	.13757	-.13441	7.9541	139.96	4.0698	22.972	.00499
Stddev	1.1253	.25747	.73641	5.9464	12.18	.9020	4.369	.03506
%RSD	162.76	187.15	547.90	74.759	8.7015	22.162	19.017	702.60

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.7353	18.992	.70720	-.16625	-.2555	-.17192	2.7235	.98397
Stddev	1.0080	20.238	1.3509	.20622	1.124	1.2195	2.3922	.13930
%RSD	36.850	106.56	191.02	124.04	439.8	709.39	87.837	14.157

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB Acquired: 5/29/2013 10:39:33 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.63326	1.7403	1.0241	7.5128	1.6003
Stddev	1.3341	.8108	.9880	3.4107	2.5601
%RSD	210.67	46.590	96.478	45.399	159.97

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7083.1	5582.7	66629.	10728.
Stddev	45.9	33.1	181.	65.
%RSD	.64840	.59324	.27092	.60615

Sample Name: IEC Check As Acquired: 5/29/2013 10:43:28 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.02860	.37273	4935.8	4.5390	.14384	-.03170	-16.029	1.703
Stddev	.43103	15.039	2.5	.5671	.13715	.00255	1.169	.072
%RSD	1507.1	4034.9	.05071	12.494	95.349	8.0529	7.2907	4.239

Check ?	None	None	None	None	None	None	None	Chk Pass
Value								
Range								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.10603	.03352	-.07256	3.8638	-1.8112	-.14201	7.8042	-.06383
Stddev	.11838	.28999	.27418	.2557	4.4537	.35588	6.4247	.00370
%RSD	111.65	865.11	377.85	6.6179	245.90	250.59	82.324	5.7959

Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.22824	-22.864	-.39154	-.66543	-1.374	.54275	.29139	-.45619
Stddev	.11453	13.000	.42007	1.2215	.577	1.9115	.54460	.04723
%RSD	50.178	56.859	107.29	183.56	41.96	352.19	186.90	10.353

Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: IEC Check As Acquired: 5/29/2013 10:43:28 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.3065	1.2017	.30794	.84000	1.4141
Stddev	.4127	.7809	.13026	1.4306	.4419
%RSD	31.588	64.987	42.302	170.31	31.250

Check ?	None	None	None	None	None
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7310.4	5691.5	67945.	11100.
Stddev	40.4	26.9	378.	70.
%RSD	.55275	.47213	.55585	.62747

Sample Name: IEC Check Ti Acquired: 5/29/2013 10:47:23 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.54711	27.816	.96561	3.6464	-.00651	-.04636	-24.556	.0708
Stddev	.39821	15.685	.64642	.3902	.18550	.03325	.850	.0548
%RSD	72.785	56.388	66.944	10.699	2851.1	71.729	3.4624	77.35

Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.83095	1.0445	-5.6502	5.5211	-4.6424	.44091	-74.497	-.12298
Stddev	.36605	.3202	.3258	.2684	15.688	.31628	2.615	.02103
%RSD	44.052	30.657	5.7662	4.8606	337.93	71.733	3.5100	17.098

Check ?	Chk Pass	None	None	None	None	None	None	None
Value								
Range								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.17920	-40.177	-1.6749	-1.0713	-3.332	-1.7683	3.0835	29203.
Stddev	.08131	8.404	.1805	.1898	1.644	1.5957	.5908	131.
%RSD	45.371	20.917	10.778	17.716	49.34	90.238	19.159	.44708

Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: IEC Check Ti Acquired: 5/29/2013 10:47:23 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.05512	-5.5835	-.93386	7494.9	.53305
Stddev	.80737	.5466	.03097	1892.1	1.7730
%RSD	1464.8	9.7898	3.3167	25.244	332.61

Check ?	Chk Pass	None	None	None	None
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7254.9	5692.2	67367.	10929.
Stddev	6.6	2.4	50.	59.
%RSD	.09049	.04152	.07434	.53592

Sample Name: IEC Check Co Acquired: 5/29/2013 10:51:26 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.22369	-4.4913	.95998	2.0691	.05956	-.08516	-24.918	.1334
Stddev	.20239	5.8032	.66762	.2426	.16151	.01901	1.518	.1030
%RSD	90.479	129.21	69.545	11.727	271.17	22.319	6.0934	77.17

Check ?	None	None	Chk Pass	None	None	None	None	None
Value								
Range								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9815.7	-.11706	-2.3719	1.8263	-14.246	-.98155	-1.3130	-.18850
Stddev	5.4	.05149	.3266	.8543	1.213	1.6186	9.4381	.04116
%RSD	.05539	43.988	13.769	46.778	8.5130	164.90	718.83	21.835

Check ?	None	None	Chk Pass	None	None	None	None	None
Value								
Range								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.31552	-42.932	-.25273	-.76163	-.9005	.28664	-.16661	5.1666
Stddev	.17479	6.698	.39061	1.1140	.5307	1.5638	.20502	.4840
%RSD	55.399	15.600	154.55	146.27	58.93	545.54	123.06	9.3684

Check ?	None	None	Chk Pass	None	Chk Pass	None	None	None
Value								
Range								

Sample Name: IEC Check Co Acquired: 5/29/2013 10:51:26 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.0001	.63393	-.29319	50.749	.87959
Stddev	.6924	1.6262	.06562	2.076	.95723
%RSD	69.237	256.52	22.380	4.0915	108.83

Check ?	Chk Pass	None	None	None	None
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7273.3	5690.7	66905.	11044.
Stddev	38.5	24.2	306.	27.
%RSD	.52941	.42593	.45748	.24009

Sample Name: IEC Check AI Acquired: 5/29/2013 10:55:22 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-0.34788	496440.	-1.7220	1.1552	-0.04081	-0.04426	-20.619
Stddev	.17242	1598.	3.5866	.2258	.09723	.00439	1.053
%RSD	49.562	.32189	208.29	19.544	238.23	9.9109	5.1047

Check ?	None	None	Chk Pass	None	None	None	None
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0966	.94993	-.22387	.04640	2.3456	-23.891	-1.6666
Stddev	.0425	2.2412	.18170	.52151	1.1465	28.087	1.5963
%RSD	43.97	235.93	81.165	1123.9	48.878	117.56	95.777

Check ?	None	None	None	None	None	None	None
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.6838	-.28184	-1.1747	-31.673	.42570	1.7647	-1.860
Stddev	7.6693	.03237	.1871	1.910	.22393	.3404	1.385
%RSD	455.46	11.486	15.928	6.0294	52.603	19.290	74.47

Check ?	None	None	None	None	None	Chk Pass	Chk Pass
Value							
Range							

Sample Name: IEC Check AI Acquired: 5/29/2013 10:55:22 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.25082	2.4516	1.3895	-4.5204	-.42078	1.5972	15.126
Stddev	2.3906	.6149	.2582	1.9048	2.2434	.1023	2.330
%RSD	953.13	25.080	18.583	42.138	533.15	6.4070	15.406

Check ?	None	None	None	None	None	None	None
Value							
Range							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	-.13489
Stddev	3.5681
%RSD	2645.2

Check ?	None
Value	
Range	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6682.7	5634.4	61778.	11037.
Stddev	23.1	20.1	89.	116.
%RSD	.34611	.35600	.14395	1.0548

Sample Name: IEC Check Fe Acquired: 5/29/2013 10:59:10 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-44724	67.511	-3.6183	.34691	.15164	-.02714	-37.103
Stddev	.31259	71.804	1.4419	.28150	.16644	.06661	.229
%RSD	69.893	106.36	39.849	81.143	109.76	245.40	.61819

Check ?	None	None	None	None	None	None	None
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.598	2.7464	2.6398	-4.4216	467700.	-210.97	-.26823
Stddev	.101	.7010	.1863	.2144	1489.	9.30	.89812
%RSD	6.302	25.524	7.0564	4.8487	.31839	4.4101	334.83

Check ?	Chk Pass	None	None	Chk Pass	None	None	None
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-35.027	6.2671	-2.5149	-35.804	-3.9337	-4.9409	-1.858
Stddev	7.506	.0486	.2852	11.695	.3580	.4042	.377
%RSD	21.430	.77485	11.342	32.662	9.1010	8.1799	20.29

Check ?	None	None	None	None	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Sample Name: IEC Check Fe Acquired: 5/29/2013 10:59:10 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.8667	2.9976	.89176	6.2594	-2.7139	6.9320	-23.391
Stddev	3.8483	.4353	.35404	.1898	1.2201	.0344	2.273
%RSD	206.16	14.522	39.702	3.0328	44.959	.49600	9.7188

Check ?	None	None	None	None	Chk Pass	None	None
Value							
Range							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	10.905
Stddev	3.247
%RSD	29.774

Check ?	None
Value	
Range	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6633.4	5426.8	65505.	10823.
Stddev	27.4	27.3	402.	104.
%RSD	.41259	.50285	.61351	.96201

Sample Name: IEC Check V Acquired: 5/29/2013 11:03:12 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.12632	-189.65	2.6768	.54955	.54511	-.40791	-20.905	.1854
Stddev	.29292	15.76	1.8582	.16278	.14827	.04538	2.732	.0878
%RSD	231.88	8.3101	69.420	29.620	27.201	11.125	13.071	47.34

Check ?	None	Chk Pass	None	None	None	Chk Pass	None	None
Value								
Range								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.04310	-.30000	-.23167	97.070	-30.268	-.21139	8.3566	-.11038
Stddev	.05213	.31203	.31299	97.156	12.461	.36630	3.0330	.01548
%RSD	120.95	104.01	135.10	100.09	41.169	173.28	36.294	14.025

Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.98297	-49.685	-.33881	-1.1150	-2.381	-.83878	-.22511	-.00576
Stddev	.05380	2.500	.11044	.6071	.592	1.1395	.37683	.16524
%RSD	5.4730	5.0306	32.597	54.449	24.85	135.85	167.39	2871.0

Check ?	None	None	None	None	Chk Pass	None	None	None
Value								
Range								

Sample Name: IEC Check V Acquired: 5/29/2013 11:03:12 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-2.4078	5022.7	-.43538	7.5439	2.1733
Stddev	1.7169	1.3	.04945	1.2824	2.8427
%RSD	71.307	.02652	11.358	17.000	130.80

Check ?	Chk Pass	None	None	None	None
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7192.1	5659.7	67256.	10868.
Stddev	18.3	11.4	369.	131.
%RSD	.25491	.20213	.54859	1.2060

Sample Name: CCV Acquired: 5/29/2013 11:07:07 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	989.43	24823.	501.77	4995.0	1991.0	2004.1	51400.	496.2
Stddev	.66	97.	2.63	6.7	2.1	1.6	31.	.3
%RSD	.06675	.38949	.52320	.13336	.10631	.08150	.06101	.0702

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1938.4	1922.8	1933.5	24896.	49832.	4947.5	49493.	1935.6
Stddev	3.6	5.3	5.9	19.	45.	10.2	34.	6.6
%RSD	.18750	.27730	.30295	.07823	.08988	.20625	.06784	.34197

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1951.0	50288.	1936.0	482.76	491.5	499.67	4936.7	5009.4
Stddev	4.6	91.	3.8	2.05	3.4	2.33	16.9	61.7
%RSD	.23804	.18027	.19554	.42369	.6855	.46565	.34265	1.2307

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: CCV Acquired: 5/29/2013 11:07:07 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	988.74	1973.0	1967.2	5320.0	4920.3
Stddev	2.27	3.6	7.1	59.5	8.0
%RSD	.22967	.18147	.35985	1.1175	.16240

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6436.4	5383.4	63032.	10636.
Stddev	26.7	13.8	556.	44.
%RSD	.41485	.25653	.88286	.41290

Sample Name: CCB Acquired: 5/29/2013 11:10:53 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.17330	12.675	.68698	7.9623	1.0497	F 1.0401	40.647
Stddev	.77147	25.434	1.4124	.9377	1.5804	1.7352	42.831
%RSD	445.16	200.67	205.59	11.776	150.56	166.82	105.38

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						1.0000	
Low Limit						-1.0000	

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1150	-.22625	1.3291	1.0738	20.264	86.393	5.2554
Stddev	.0568	.25891	1.9285	2.4492	23.006	22.679	5.3162
%RSD	49.39	114.44	145.10	228.08	113.53	26.251	101.16

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	28.409	1.2675	1.5714	8.4655	.22032	-.34204	-2.087
Stddev	45.419	2.0844	.2638	34.417	.10956	.33070	2.391
%RSD	159.88	164.45	16.785	406.55	49.726	96.684	114.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: CCB Acquired: 5/29/2013 11:10:53 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .90153	1.1405	4.5001	-.01039	1.7944	.30474	14.637
Stddev	1.5288	.5299	5.3324	.82743	1.9616	.01463	1.971
%RSD	169.58	46.462	118.49	7962.5	109.32	4.8018	13.464

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	3.7955
Stddev	3.0711
%RSD	80.915

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7067.2	5566.1	65573.	10705.
Stddev	12.3	4.9	334.	122.
%RSD	.17367	.08887	.50992	1.1437

Sample Name: Ib 240-87201/1-c Acquired: 5/29/2013 11:14:49 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.23335	4.7258	2.8155	11.883	.28141	-.05320	57.135	.1031
Stddev	.15985	10.760	1.0346	.306	.23238	.04592	.965	.0972
%RSD	68.502	227.68	36.747	2.5722	82.576	86.315	1.6896	94.25

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.25050	.37505	.20863	21.369	29.036	1.3338	12.909	.31273
Stddev	.12476	.09036	.15959	.379	16.070	.7144	8.118	.01858
%RSD	49.804	24.093	76.494	1.7732	55.344	53.563	62.884	5.9403

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.20356	165.72	.39690	1.1727	-1.832	2.6335	10.752	.23973
Stddev	.07258	2.30	.17390	.3937	1.616	1.2621	.441	.20253
%RSD	35.653	1.3906	43.813	33.574	88.22	47.926	4.1024	84.480

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: Ib 240-87201/1-c Acquired: 5/29/2013 11:14:49 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.62930	-.20118	3.9480	33.909	-.46447
Stddev	.09959	1.5357	.0357	4.847	5.4247
%RSD	15.826	763.34	.90543	14.295	1167.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7201.7	5667.2	67978.	11014.
Stddev	49.6	37.4	141.	52.
%RSD	.68937	.65919	.20728	.47641

Sample Name: mb 240-87259/2-a Acquired: 5/29/2013 11:18:45 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.06940	-1.7187	1.0389	3.4824	.06386	-.05022	-12.438	.0484
Stddev	.42201	4.4701	1.2329	.1655	.09633	.05205	.618	.0818
%RSD	608.07	260.08	118.67	4.7524	150.86	103.64	4.9661	169.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.31835	-.04034	.00864	.98711	17.624	1.9890	3.4534	.10881
Stddev	.13676	.25273	1.0048	.78121	9.418	1.1137	7.8559	.03492
%RSD	42.958	626.49	11627.	79.141	53.439	55.995	227.48	32.097

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.18164	-20.059	-.10850	-.28611	-2.991	.18297	7.1080	-.04809
Stddev	.05662	5.636	.30784	.01761	.371	.10469	.4123	.09301
%RSD	31.173	28.098	283.73	6.1540	12.40	57.217	5.8011	193.42

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: mb 240-87259/2-a Acquired: 5/29/2013 11:18:45 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.04847	-.57114	1.2806	30.431	-.72602
Stddev	.47349	.79799	.0790	3.692	2.2158
%RSD	976.89	139.72	6.1684	12.133	305.19

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7153.5	5672.1	66584.	10777.
Stddev	45.1	39.0	95.	95.
%RSD	.63108	.68826	.14316	.88111

Sample Name: lcs 240-87259/3-a Acquired: 5/29/2013 11:22:38 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49.190	1967.8	1987.4	998.50	2009.0	49.876	51511.	50.41
Stddev	.445	20.3	6.4	1.89	2.3	.092	65.	.19
%RSD	.90372	1.0339	.32053	.18976	.11628	.18382	.12616	.3800

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	483.25	194.56	245.13	1020.5	49979.	964.85	49741.	495.88
Stddev	.40	.57	.47	5.2	89.	2.35	137.	.63
%RSD	.08182	.29131	.19351	.50855	.17838	.24405	.27606	.12742

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	993.10	50682.	485.05	478.68	494.8	2042.6	1937.9	1007.5
Stddev	1.19	107.	.83	.60	3.8	5.9	2.1	.4
%RSD	.12026	.21187	.17073	.12474	.7654	.28999	.10652	.04366

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: lcs 240-87259/3-a Acquired: 5/29/2013 11:22:38 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	TI1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1931.4	502.73	494.85	1093.8	963.07
Stddev	5.3	1.74	1.46	13.1	2.04
%RSD	.27459	.34679	.29568	1.2007	.21218

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6671.2	5473.1	64069.	10732.
Stddev	17.8	7.4	522.	68.
%RSD	.26697	.13554	.81511	.63223

Sample Name: 240-24431-b-8-f Acquired: 5/29/2013 11:26:16 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.74744	9.8240	6.7290	196.28	210.29	-1.6271	^ *****
Stddev	.22808	8.3602	1.4853	.97	.06	.0187	-----
%RSD	30.515	85.100	22.073	.49182	.02944	1.1499	-----

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4972	7.9982	240.56	k 40.542	3.7447	17742.	k 117.56
Stddev	.1282	.5493	1.98	1.258	.8060	19.	2.17
%RSD	25.79	6.8675	.82341	3.1017	21.523	.10476	1.8430

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	32511.	84.403	39.112	24439.	55.515	k -6.4731	-7.598
Stddev	158.	.560	.572	26.	.852	1.9169	2.853
%RSD	.48462	.66361	1.4635	.10619	1.5346	29.613	37.55

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24431-b-8-f Acquired: 5/29/2013 11:26:16 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.1035	11.299	-2.4339	2.4652	7.6527	6.7072	46775.
Stddev	1.3349	1.730	.0728	2.2170	1.6663	.2580	129.
%RSD	26.155	15.308	2.9919	89.933	21.774	3.8460	.27524

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	3931.7
Stddev	12.1
%RSD	.30851

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5731.0	4866.5	57758.	10659.
Stddev	19.8	14.9	707.	106.
%RSD	.34563	.30633	1.2239	.99875

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	80.601%	86.324%	87.719%	98.643%
Range				

Sample Name: SD 240-24431-b-8-f@5 Acquired: 5/29/2013 11:30:10 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.6627	10.537	2.5696	42.694	44.863	-3.3743	383220.
Stddev	.54705	18.601	1.9334	.320	.575	.01517	4153.
%RSD	117.33	176.53	75.242	.75047	1.2822	4.4946	1.0837

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1965	1.3572	53.728	-3.3340	.14752	3726.9	-8.8668
Stddev	.0188	.1832	.275	.3738	.22179	59.7	1.6360
%RSD	9.554	13.500	.51251	11.212	150.35	1.6030	18.451

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7542.0	18.373	7.8347	5125.2	12.045	-1.8393	-4.910
Stddev	54.8	.064	.0018	50.9	.239	.7861	1.045
%RSD	.72631	.35087	.02277	.99283	1.9832	42.739	21.28

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: SD 240-24431-b-8-f@5 Acquired: 5/29/2013 11:30:10 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.12045	2.0609	-.54889	1.1117	.62685	1.7756	10054.
Stddev	1.3516	.2757	.18931	.3900	.60654	.0772	98.
%RSD	1122.1	13.376	34.490	35.078	96.760	4.3461	.97784

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	883.65
Stddev	6.43
%RSD	.72759

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6458.2	5271.4	61219.	10213.
Stddev	44.3	34.1	189.	32.
%RSD	.68624	.64668	.30858	.31111

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.828%	93.506%	92.974%	94.515%
Range				

Sample Name: 240-24431-b-8-g ms@5 Acquired: 5/29/2013 11:34:10 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	204.67	404.29	1025.9	251.04	10054.	9.9940	389390.
Stddev	.98	20.34	3.9	.36	316.	.0287	2633.
%RSD	.47668	5.0313	.38352	.14383	3.1422	.28762	.67604

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	205.0	100.05	1035.3	47.452	205.90	14124.	-10.734
Stddev	.4	.36	1.6	.418	1.38	55.	1.947
%RSD	.1870	.35839	.15417	.88192	.67151	.38956	18.139

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17538.	119.06	214.50	15738.	111.74	978.29	95.96
Stddev	56.	.14	.73	74.	.30	2.80	.08
%RSD	.31848	.11511	.34235	.47122	.26918	.28642	.0842

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24431-b-8-g ms@5 Acquired: 5/29/2013 11:34:10 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	206.05	401.87	-.28292	398.70	103.52	101.97	9331.2
Stddev	3.09	1.42	.10794	2.03	.82	.49	93.0
%RSD	1.5005	.35404	38.152	.50859	.79571	.47786	.99682

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	878.79
Stddev	7.23
%RSD	.82241

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6416.2	5273.0	61691.	10403.
Stddev	25.6	22.9	147.	91.
%RSD	.39972	.43419	.23823	.87414

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.238%	93.535%	93.692%	96.271%
Range				

Sample Name: 240-24431-b-8-hmsd@5 Acquired: 5/29/2013 11:38:07 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	214.03	435.92	1080.1	265.64	10676.	10.673	424560.
Stddev	.88	14.99	7.4	2.38	101.	.173	4784.
%RSD	.41193	3.4379	.68231	.89715	.94583	1.6223	1.1267

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	215.4	104.93	1080.2	49.574	216.88	15156.	-10.299
Stddev	1.3	1.08	8.1	1.585	2.89	144.	.177
%RSD	.5902	1.0313	.74704	3.1976	1.3346	.94725	1.7193

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18716.	123.61	225.81	16846.	117.76	1020.9	103.2
Stddev	236.	1.09	1.85	191.	1.03	10.4	1.0
%RSD	1.2635	.88498	.81996	1.1340	.87419	1.0224	.9887

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24431-b-8-hmsd@5 Acquired: 5/29/2013 11:38:07 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	218.57	422.88	-.39912	417.63	111.76	104.75	9764.4
Stddev	1.33	2.97	.06301	2.88	.74	1.11	289.4
%RSD	.60769	.70298	15.787	.69020	.66282	1.0622	2.9643

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	949.25
Stddev	11.93
%RSD	1.2572

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6199.8	5101.9	60610.	10009.
Stddev	65.1	54.4	635.	177.
%RSD	1.0500	1.0660	1.0483	1.7673

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	87.194%	90.500%	92.050%	92.627%
Range				

Sample Name: 240-24431-b-8-hmsd@5 Acquired: 5/29/2013 11:38:07 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	214.03	435.92	1080.1	265.64	10676.	10.673	424560.
Stddev	.88	14.99	7.4	2.38	101.	.173	4784.
%RSD	.41193	3.4379	.68231	.89715	.94583	1.6223	1.1267

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	215.4	104.93	1080.2	49.574	216.88	15156.	-10.299
Stddev	1.3	1.08	8.1	1.585	2.89	144.	.177
%RSD	.5902	1.0313	.74704	3.1976	1.3346	.94725	1.7193

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18716.	123.61	225.81	16846.	117.76	1020.9	103.2
Stddev	236.	1.09	1.85	191.	1.03	10.4	1.0
%RSD	1.2635	.88498	.81996	1.1340	.87419	1.0224	.9887

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24431-b-8-hmsd@5 Acquired: 5/29/2013 11:38:07 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	218.57	422.88	-.39912	417.63	111.76	104.75	9764.4
Stddev	1.33	2.97	.06301	2.88	.74	1.11	289.4
%RSD	.60769	.70298	15.787	.69020	.66282	1.0622	2.9643

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	949.25
Stddev	11.93
%RSD	1.2572

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6199.8	5101.9	60610.	10009.
Stddev	65.1	54.4	635.	177.
%RSD	1.0500	1.0660	1.0483	1.7673

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	87.194%	90.500%	92.050%	92.627%
Range				

Sample Name: Ib 240-87199/1-c Acquired: 5/29/2013 11:42:05 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.84986	12.352	F 5.0477	7.0831	F 9.8734	-.02208
Stddev	.22143	8.740	1.1891	.0981	11.793	.02595
%RSD	26.054	70.760	23.558	1.3847	119.44	117.53

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
High Limit			5.0000		5.0000	
Low Limit			-1000.0		-1000.0	

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	420.60	-.0151	.05268	.96552	-.55154	8.1621
Stddev	474.80	.0285	.14831	.19921	.13771	1.1329
%RSD	112.89	189.0	281.56	20.632	24.969	13.880

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	581.63	2.2370	40.152	.84544	.29202	F 1067300.
Stddev	86.04	.9739	21.705	.02509	.18928	8960.
%RSD	14.792	43.538	54.058	2.9676	64.817	.83947

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						1000.0
Low Limit						-1000.0

Sample Name: Ib 240-87199/1-c Acquired: 5/29/2013 11:42:05 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.8933	.27548	-2.062	F 5.8260	14.638	-.39008
Stddev	.2475	1.0109	1.002	1.2328	.657	.17071
%RSD	5.0581	366.96	48.61	21.161	4.4858	43.763

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				5.0000		
Low Limit				-1000.0		

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-2.1735	.20316	12.146	109.63	1.7510
Stddev	.4020	1.6438	.058	18.23	3.1207
%RSD	18.497	809.09	.47368	16.625	178.23

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5956.3	5099.4	57652.	10455.
Stddev	44.4	32.0	36.	88.
%RSD	.74464	.62823	.06323	.84216

Sample Name: mb 240-87255/2-a Acquired: 5/29/2013 11:46:07 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.13810	7.1305	1.1471	1.3398	.50109	-.07082	3.4880	-.0416
Stddev	.15931	5.6649	.6087	.1304	.23745	.03384	2.1899	.0386
%RSD	115.36	79.446	53.061	9.7345	47.388	47.786	62.783	92.79

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.21470	.22810	-.66327	2.1552	265.30	3.6559	10.604	.06040
Stddev	.14370	.12778	.49520	.6935	52.85	2.1623	9.346	.00584
%RSD	66.931	56.019	74.660	32.179	19.920	59.144	88.133	9.6709

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.12481	314.50	.08776	-.54323	-3.011	.86605	7.4075	-.56114
Stddev	.11967	36.50	.43724	.79507	1.978	1.0923	.3355	.18037
%RSD	95.878	11.607	498.20	146.36	65.68	126.12	4.5289	32.144

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: mb 240-87255/2-a Acquired: 5/29/2013 11:46:07 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.99138	.30996	.75505	38.200	1.9045
Stddev	.70270	.92389	.08977	5.129	.9965
%RSD	70.882	298.07	11.889	13.426	52.322

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7173.2	5699.7	67509.	10684.
Stddev	56.9	38.0	791.	121.
%RSD	.79298	.66664	1.1715	1.1285

Sample Name: lcs 240-87255/3-a Acquired: 5/29/2013 11:50:02 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	53.001	1944.4	2112.3	1012.3	1972.0	49.223
Stddev	.313	17.7	2.2	.7	20.9	.671
%RSD	.58965	.90923	.10480	.06969	1.0575	1.3633

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50675.	52.45	506.52	199.03	250.49	984.62
Stddev	582.	.11	.78	.47	1.28	15.86
%RSD	1.1485	.2129	.15435	.23582	.50970	1.6107

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50484.	953.39	48474.	497.57	996.46	F 1089700.
Stddev	540.	11.34	589.	1.52	3.36	8846.
%RSD	1.0697	1.1890	1.2153	.30599	.33758	.81178

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						50000.
Range						20.500%

Sample Name: lcs 240-87255/3-a Acquired: 5/29/2013 11:50:02 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	511.83	471.71	509.6	2158.3	2045.4	1011.3
Stddev	1.73	2.43	3.4	3.8	7.2	2.2
%RSD	.33890	.51471	.6727	.17522	.35062	.21985

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1918.7	500.57	542.31	1164.2	946.31
Stddev	4.7	8.04	2.19	23.1	10.26
%RSD	.24680	1.6058	.40418	1.9842	1.0846

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5516.3	4801.5	55292.	10051.
Stddev	38.3	34.1	212.	144.
%RSD	.69386	.70979	.38316	1.4364

Sample Name: CCV Acquired: 5/29/2013 11:53:51 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	982.41	24449.	496.18	4941.8	1954.4	1977.9	50951.	489.8
Stddev	.23	53.	.92	4.5	.6	3.0	9.	.5
%RSD	.02296	.21526	.18613	.09122	.02950	.14919	.01721	.0925

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1918.3	1915.8	1907.4	24499.	49218.	4852.9	49276.	1917.2
Stddev	1.0	3.9	1.0	55.	143.	10.0	62.	5.7
%RSD	.05456	.20104	.05177	.22284	.29013	.20532	.12535	.29522

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1922.6	49309.	1914.5	475.04	487.6	494.58	4910.9	4931.6
Stddev	1.8	100.	.8	.21	2.5	3.38	3.4	8.8
%RSD	.09365	.20222	.04378	.04435	.5172	.68269	.06911	.17807

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: CCV Acquired: 5/29/2013 11:53:51 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	979.17	1943.8	1949.5	5276.1	4850.8
Stddev	3.50	2.6	4.5	91.0	4.6
%RSD	.35783	.13503	.23005	1.7249	.09477

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6591.4	5533.9	63691.	10665.
Stddev	22.1	15.9	147.	31.
%RSD	.33593	.28700	.23103	.28922

Sample Name: CCB Acquired: 5/29/2013 11:57:38 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.13817	5.1035	1.3471	8.2239	.35067	.04146	-9.8284	-.0422
Stddev	1.0405	8.8250	.4416	.7305	.11512	.00663	1.6087	.1324
%RSD	753.08	172.92	32.783	8.8829	32.828	15.991	16.368	313.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.10398	1.1505	-.14876	.91939	356.66	6.4005	9.4435	.88633
Stddev	.38257	1.1269	.95620	1.5847	107.46	1.4242	3.5242	1.2696
%RSD	367.94	97.949	642.78	172.36	30.128	22.251	37.319	143.24

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.7571	137.93	.00726	-2.5756	-1.554	.95551	.99927	3.5522
Stddev	.1722	49.77	.10598	.0849	1.657	.49723	.10174	3.0553
%RSD	9.7982	36.082	1459.3	3.2964	106.6	52.039	10.182	86.010

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB Acquired: 5/29/2013 11:57:38 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.31339	.59378	-.42340	11.898	1.5612
Stddev	.22058	1.3867	.06905	4.632	2.6273
%RSD	70.385	233.53	16.308	38.928	168.28

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7175.7	5669.4	66648.	10821.
Stddev	20.2	12.8	65.	18.
%RSD	.28197	.22608	.09747	.16757

Sample Name: 240-24655-c-1-b Acquired: 5/29/2013 12:01:35 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.26675	232.95	5.4518	121.80	684.37	.02011
Stddev	.64472	5.97	.7272	.38	3.26	.02022
%RSD	241.69	2.5612	13.340	.31469	.47589	100.53

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	22838.	3.564	4.0536	7.3931	95.523	752.77
Stddev	53.	.115	.3081	.3733	.444	5.34
%RSD	.23196	3.217	7.6002	5.0498	.46471	.70994

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2810.3	6.4936	2544.1	279.19	12.443	F 1086700.
Stddev	10.0	.9179	18.8	.67	.102	13277.
%RSD	.35493	14.136	.73890	.24131	.81630	1.2218

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500000.
Low Limit						-500000.

Sample Name: 240-24655-c-1-b Acquired: 5/29/2013 12:01:35 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20.414	8.1178	-1.148	7.1577	79.998	.75813
Stddev	.302	.8353	2.441	.2403	.294	.23697
%RSD	1.4773	10.290	212.6	3.3575	.36699	31.257

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-1.7030	2.7423	F 56261.	819.06	99.001
Stddev	.5930	1.6132	264.	8.75	3.819
%RSD	34.822	58.826	.46870	1.0681	3.8576

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			10000.		
Low Limit			-500000.		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5951.1	5140.0	58326.	10619.
Stddev	37.9	28.1	230.	57.
%RSD	.63669	.54755	.39450	.53322

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	83.696%	91.175%	88.580%	98.272%
Range				

Sample Name: SD 240-24655-c-1-b@5 Acquired: 5/29/2013 12:05:41 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.41314	50.996	2.7013	27.251	142.58	-.00114	4841.1
Stddev	.23607	5.898	.8029	.132	.34	.02389	24.0
%RSD	57.139	11.566	29.722	.48467	.23774	2093.0	.49567

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.7324	.78408	1.7474	18.976	161.45	735.28	7.1927
Stddev	.1029	.38071	.0119	.500	1.79	62.22	1.2061
%RSD	14.05	48.554	.67959	2.6324	1.1107	8.4616	16.768

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	545.58	58.902	2.5186	289130.	4.8597	1.0810	-1.295
Stddev	12.50	.371	.1172	3759.	.0801	.0383	.376
%RSD	2.2915	.63024	4.6524	1.3000	1.6486	3.5426	29.07

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: SD 240-24655-c-1-b@5 Acquired: 5/29/2013 12:05:41 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.5238	16.710	-.14443	.17231	2.0673	F 12464.	181.07
Stddev	1.7980	.544	.09211	.68572	1.7540	49.	5.30
%RSD	117.99	3.2543	63.771	397.95	84.845	.39533	2.9281

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						10000.	
Low Limit						-500000.	

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	18.361
Stddev	4.050
%RSD	22.056

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6491.6	5397.0	61599.	10401.
Stddev	23.3	16.3	625.	188.
%RSD	.35913	.30185	1.0148	1.8058

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.298%	95.734%	93.552%	96.255%
Range				

Sample Name: 240-24655-c-1-c ms@5 Acquired: 5/29/2013 12:09:43 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	203.60	452.22	1025.0	232.25	10145.	10.426	15368.
Stddev	.65	2.75	2.7	.72	50.	.043	3.
%RSD	.32102	.60785	.26134	.31148	.49141	.41613	.01889

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	203.4	101.53	1009.2	68.183	363.43	10830.	5.3412
Stddev	.5	.03	1.1	.148	1.69	42.	2.5592
%RSD	.2681	.02641	.11108	.21707	.46480	.38778	47.915

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10964.	159.45	208.49	296280.	106.33	984.24	98.62
Stddev	25.	.31	.24	1259.	.16	.89	1.44
%RSD	.22943	.19177	.11493	.42491	.14823	.09070	1.462

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24655-c-1-c ms@5 Acquired: 5/29/2013 12:09:43 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	209.44	427.55	.30986	397.26	103.97	F 12403.	186.32
Stddev	.66	2.03	.11638	.57	1.57	47.	1.83
%RSD	.31398	.47461	37.558	.14376	1.5079	.37968	.98122

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						10000.	
Low Limit						-500000.	

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	21.288
Stddev	5.045
%RSD	23.697

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6439.8	5386.2	61087.	10237.
Stddev	33.1	24.7	139.	63.
%RSD	.51445	.45804	.22795	.61711

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.569%	95.542%	92.774%	94.733%
Range				

Sample Name: 240-24655-c-1-dmsd@5 Acquired: 5/29/2013 12:13:42 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	197.72	412.84	973.11	220.70	9645.9	9.8057	14504.
Stddev	1.64	10.25	1.42	.08	90.1	.0261	55.
%RSD	.82732	2.4820	.14598	.03737	.93380	.26602	.37878

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	194.4	96.452	964.10	65.417	340.72	10201.	4.3716
Stddev	.4	.438	3.87	.735	2.47	64.	.4548
%RSD	.2180	.45417	.40134	1.1233	.72610	.62397	10.404

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10302.	151.78	197.43	285950.	101.41	938.61	95.62
Stddev	25.	.51	.45	5426.	.13	2.53	1.46
%RSD	.23936	.33347	.22668	1.8974	.13171	.27004	1.531

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24655-c-1-dmsd@5 Acquired: 5/29/2013 12:13:42 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	197.04	409.66	.22214	379.41	98.475	F 11944.	178.64
Stddev	2.20	.81	.19832	.98	.293	22.	5.23
%RSD	1.1156	.19856	89.276	.25887	.29784	.18552	2.9303

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						10000.	
Low Limit						-500000.	

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	23.685
Stddev	5.448
%RSD	23.002

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6275.7	5252.6	60119.	10029.
Stddev	15.1	13.5	203.	147.
%RSD	.24003	.25684	.33742	1.4691

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	88.261%	93.172%	91.304%	92.808%
Range				

Sample Name: 240-24710-b-1-c Acquired: 5/29/2013 12:17:40 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.95266	132.55	8.0566	285.22	352.92	.68966
Stddev	.55676	15.18	.7400	.82	.98	.02533
%RSD	58.442	11.452	9.1849	.28667	.27865	3.6734

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	41349.	.4806	38.450	2.5906	3.5969	94.261
Stddev	98.	.1909	.268	.1845	.3088	.689
%RSD	.23820	39.72	.69816	7.1203	8.5854	.73144

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3174.0	5.0359	2774.7	3013.1	.18875	F 1041300.
Stddev	38.3	1.1486	15.3	.9	.09480	15122.
%RSD	1.2057	22.809	.55204	.03006	50.224	1.4522

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500000.
Low Limit						-500000.

Sample Name: 240-24710-b-1-c Acquired: 5/29/2013 12:17:40 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17.979	7.9373	-2.454	7.2065	78.268	-.12243
Stddev	.298	.4111	2.163	.6315	1.193	.06615
%RSD	1.6552	5.1796	88.13	8.7627	1.5238	54.032

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.35196	-.17574	121.34	1733.5	295.79
Stddev	.63744	1.0949	1.49	4.6	1.36
%RSD	181.11	623.03	1.2312	.26302	.46133

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5941.4	5132.0	56867.	10434.
Stddev	79.7	57.3	479.	86.
%RSD	1.3414	1.1162	.84267	.82223

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	83.559%	91.033%	86.365%	96.559%
Range				

Sample Name: 240-24710-b-2-c Acquired: 5/29/2013 12:21:46 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.25303	114.39	5.9513	261.33	74.499	.69340
Stddev	.54612	8.08	.0906	.83	1.007	.02750
%RSD	215.83	7.0664	1.5229	.31912	1.3518	3.9661

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	107760.	.3073	2.5749	1.8927	8.9464	32.919
Stddev	937.	.1381	.2041	.2889	.8004	.860
%RSD	.86937	44.94	7.9257	15.265	8.9471	2.6114

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2065.1	3.5622	2099.0	139.03	.09101	F 1002800.
Stddev	16.2	.5828	7.1	.34	.10571	8867.
%RSD	.78411	16.360	.33826	.24803	116.15	.88418

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500000.
Low Limit						-500000.

Sample Name: 240-24710-b-2-c Acquired: 5/29/2013 12:21:46 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.455	12.157	-3.118	4.8804	69.161	.13635
Stddev	.424	.584	2.597	2.8223	1.018	.02658
%RSD	4.0598	4.8038	83.29	57.829	1.4724	19.492

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-2.8719	-.10625	101.03	1032.8	587.21
Stddev	.8830	1.4386	.96	12.0	7.89
%RSD	30.747	1353.9	.95066	1.1646	1.3436

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5915.4	5090.2	58425.	10748.
Stddev	16.7	19.2	332.	47.
%RSD	.28258	.37763	.56898	.43904

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	83.194%	90.292%	88.731%	99.461%
Range				

Sample Name: 240-24710-a-3-b Acquired: 5/29/2013 12:25:53 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.35909	543.79	11.732	1565.5	177.41	-1.0664
Stddev	.07319	11.38	.982	21.0	.36	.0498
%RSD	20.382	2.0928	8.3737	1.3404	.20167	4.6725

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 1175000.	.1433	.53780	5.5066	278.26	6.4201
Stddev	9842.	.0846	.09792	.3915	5.66	.3877
%RSD	.83759	59.06	18.208	7.1090	2.0344	6.0386

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500000.					
Low Limit	-500000.					

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2800.8	-36.208	317.96	.59577	50.716	F 1061800.
Stddev	36.6	1.446	11.80	.02286	.849	11296.
%RSD	1.3062	3.9942	3.7107	3.8378	1.6731	1.0638

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500000.
Low Limit						-500000.

Sample Name: 240-24710-a-3-b Acquired: 5/29/2013 12:25:53 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.857	-88923	-6.447	10.261	48.073	-1.7744
Stddev	.361	1.4882	2.286	1.257	.144	.0784
%RSD	3.3228	167.35	35.45	12.254	.29963	4.4193

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-73159	16.792	5.4696	5532.2	1016.8
Stddev	.81367	.746	.1081	35.4	6.6
%RSD	111.22	4.4426	1.9756	.63996	.65299

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5436.8	4721.6	54911.	9711.6
Stddev	36.4	38.7	1114.	39.3
%RSD	.67040	.81981	2.0295	.40495

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	76.463%	83.753%	83.394%	89.873%
Range				

Sample Name: 240-24710-b-4-c Acquired: 5/29/2013 12:30:00 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.26710	46.881	5.3319	275.67	110.61	.52309
Stddev	.20938	12.060	.2003	.61	.11	.05052
%RSD	78.390	25.724	3.7571	.22195	.09807	9.6571

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	^ *****	.8747	.00659	1.8680	k 1.5171	24.609
Stddev	-----	.1742	.06841	.1129	1.5063	.864
%RSD	-----	19.92	1038.4	6.0438	99.289	3.5123

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3036.2	k 5.5289	1980.2	83.909	-.01200	F 1005400.
Stddev	14.4	3.2637	15.9	.105	.12169	27373.
%RSD	.47494	59.029	.80310	.12464	1014.5	2.7225

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500000.
Low Limit						-500000.

Sample Name: 240-24710-b-4-c Acquired: 5/29/2013 12:30:00 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.2820	k 6.7000	-2.966	4.1208	73.404	-.14890
Stddev	.3541	1.8825	1.629	1.7555	.253	.06148
%RSD	4.8622	28.097	54.93	42.602	.34517	41.290

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ti1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-2.6076	.90336	180.42	1298.1	469.73
Stddev	1.1189	1.3292	.72	22.0	1.02
%RSD	42.908	147.13	.39866	1.6924	.21721

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5883.7	5068.1	58327.	10758.
Stddev	30.9	25.3	181.	193.
%RSD	.52590	.50017	.31053	1.7963

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	82.749%	89.900%	88.583%	99.554%
Range				

Sample Name: 240-24431-b-1-f Acquired: 5/29/2013 12:34:01 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.31353	89.404	8.1344	175.44	251.33	-.69943
Stddev	.43459	3.487	.4310	3.24	1.76	.03350
%RSD	138.61	3.9008	5.2985	1.8441	.69959	4.7900

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 803350.	.5625	10.306	1.4944	-1.7611	33.721
Stddev	7730.	.0966	.294	.1824	.4351	.372
%RSD	.96216	17.17	2.8562	12.203	24.706	1.1039

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500000.					
Low Limit	-500000.					

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5160.7	-12.855	21815.	1613.0	10.145	F 1070300.
Stddev	51.8	.207	135.	5.8	.174	3781.
%RSD	1.0034	1.6110	.61702	.35874	1.7146	.35326

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500000.
Low Limit						-500000.

Sample Name: 240-24431-b-1-f Acquired: 5/29/2013 12:34:01 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17.909	-3.9511	-8.300	6.0474	77.467	.65935
Stddev	.147	.8288	.488	.5928	1.354	.07459
%RSD	.81828	20.977	5.881	9.8032	1.7483	11.313

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.24416	9.7116	9.1195	37080.	1494.4
Stddev	.24303	1.2589	.2330	716.	12.8
%RSD	99.540	12.963	2.5545	1.9304	.85403

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5437.6	4767.8	54909.	9678.5
Stddev	95.1	83.4	343.	54.0
%RSD	1.7491	1.7495	.62489	.55842

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	76.474%	84.573%	83.391%	89.567%
Range				

Sample Name: 240-24431-b-2-e Acquired: 5/29/2013 12:38:08 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.72944	518.04	6.2956	146.43	491.96	-.66381
Stddev	.28990	7.61	1.0734	.34	.23	.01991
%RSD	39.742	1.4693	17.051	.23536	.04590	2.9994

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 719020.	.1996	-.06761	82.141	-4.3423	3.7152
Stddev	4019.	.1293	.44139	.330	.2899	.6050
%RSD	.55888	64.77	652.90	.40204	6.6755	16.284

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500000.					
Low Limit	-500000.					

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17733.	-7.0944	236.27	15.445	20.891	F 1029000.
Stddev	76.	1.3120	2.84	.083	.456	17015.
%RSD	.42958	18.493	1.2014	.54007	2.1839	1.6535

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500000.
Low Limit						-500000.

Sample Name: 240-24431-b-2-e Acquired: 5/29/2013 12:38:08 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.6160	-66758	-7.793	5.3896	105.66	-1.4693
Stddev	.4195	.60575	1.545	.8378	.28	.1301
%RSD	11.602	90.739	19.83	15.546	.26617	8.8529

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-1.9146	10.939	4.0147	13757.	2625.4
Stddev	1.1034	1.709	.0871	54.	12.3
%RSD	57.632	15.623	2.1684	.38913	.46764

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5588.0	4891.5	56816.	10188.
Stddev	19.1	9.4	480.	38.
%RSD	.34119	.19318	.84479	.37464

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	78.589%	86.767%	86.288%	94.283%
Range				

Sample Name: CCV Acquired: 5/29/2013 12:42:18 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1006.7	24747.	500.47	5022.8	1991.1	2000.5	51607.	498.5
Stddev	.7	67.	1.19	.9	4.7	4.4	202.	.4
%RSD	.07276	.27087	.23803	.01852	.23375	.21962	.39164	.0802

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1949.8	1942.2	1936.4	24744.	49585.	4897.7	49807.	1958.1
Stddev	1.5	9.9	5.9	111.	51.	11.4	321.	9.3
%RSD	.07900	.51002	.30661	.45023	.10260	.23183	.64448	.47272

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1928.0	49503.	1947.3	483.53	494.0	503.05	5056.8	5012.2
Stddev	6.2	202.	1.3	2.11	1.1	.93	16.7	41.8
%RSD	.31979	.40816	.06526	.43574	.2265	.18488	.33059	.83432

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: CCV Acquired: 5/29/2013 12:42:18 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	985.98	1961.2	1992.5	5486.3	4868.9
Stddev	3.93	3.6	1.7	88.4	33.8
%RSD	.39863	.18416	.08365	1.6106	.69412

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6337.6	5334.8	62311.	10473.
Stddev	9.6	3.4	436.	154.
%RSD	.15167	.06329	.70018	1.4665

Sample Name: CCB Acquired: 5/29/2013 12:46:04 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.36012	18.968	1.9016	8.1224	1.8421	F 1.7836	84.206
Stddev	.28281	26.368	.5780	.6584	2.1316	2.1683	75.909
%RSD	78.532	139.02	30.395	8.1065	115.72	121.57	90.147

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						1.0000	
Low Limit						-1.0000	

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0571	-.19237	-.14578	-.98318	21.349	361.38	9.3504
Stddev	.0385	.01648	.27032	.05806	27.336	68.45	6.5832
%RSD	67.40	8.5649	185.44	5.9058	128.04	18.942	70.406

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	43.509	-.02573	1.5376	400.62	-.05954	-.55146	-1.320
Stddev	54.702	.02445	.2605	52.00	.32030	.82640	1.407
%RSD	125.73	94.994	16.942	12.979	537.91	149.86	106.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: CCB Acquired: 5/29/2013 12:46:04 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .38124	2.0760	1.5287	.23286	1.7209	-.52183	46.832
Stddev	1.4442	.2009	.4757	.37949	2.7203	.02377	15.668
%RSD	378.81	9.6780	31.120	162.97	158.07	4.5548	33.455

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	3.7278
Stddev	5.1036
%RSD	136.91

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7072.8	5608.0	65581.	10639.
Stddev	18.6	13.4	348.	76.
%RSD	.26342	.23936	.53132	.71848

Sample Name: 240-24431-b-3-e Acquired: 5/29/2013 12:50:00 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.60383	38.786	5.4479	267.31	437.77	-.38094
Stddev	.45297	12.371	1.0061	1.92	4.30	.07168
%RSD	75.015	31.896	18.468	.71965	.98218	18.818

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 697700.	1.222	9.6061	1.8752	-4.5505	23.823
Stddev	18078.	.086	.2174	.3086	.5874	1.191
%RSD	2.5911	7.008	2.2630	16.456	12.907	5.0006

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500000.					
Low Limit	-500000.					

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3612.8	-16.689	26002.	4214.4	2.2351	F 1094700.
Stddev	36.6	1.528	212.	79.9	.1309	12694.
%RSD	1.0118	9.1572	.81553	1.8955	5.8579	1.1596

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500000.
Low Limit						-500000.

Sample Name: 240-24431-b-3-e Acquired: 5/29/2013 12:50:00 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14.891	-1.4907	-4.327	5.8210	13.528	-.07039
Stddev	.169	.6696	.730	2.6165	.336	.12451
%RSD	1.1364	44.919	16.86	44.950	2.4817	176.88

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.30624	1.0360	10.151	28253.	1665.1
Stddev	1.1239	2.0798	.150	202.	14.0
%RSD	367.01	200.75	1.4767	.71601	.84049

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5527.3	4867.6	55361.	10027.
Stddev	14.1	10.0	352.	67.
%RSD	.25484	.20502	.63628	.66597

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	77.737%	86.343%	84.077%	92.793%
Range				

Sample Name: 240-24431-b-4-e Acquired: 5/29/2013 12:54:16 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.40438	483.47	5.4611	74.087	296.88	-.66060
Stddev	.71822	2.83	.6804	.197	1.24	.04520
%RSD	177.61	.58534	12.458	.26564	.41663	6.8423

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 778670.	.2389	-.20273	13.580	-4.2485	8.3465
Stddev	8071.	.1122	.15519	.244	.6686	.4772
%RSD	1.0366	46.97	76.550	1.7969	15.737	5.7172

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500000.					
Low Limit	-500000.					

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19156.	-7.6246	308.64	1.5638	27.043	F 1085900.
Stddev	102.	1.8896	5.78	2.0500	.074	1598.
%RSD	.53496	24.783	1.8735	131.09	.27348	.14716

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500000.
Low Limit						-500000.

Sample Name: 240-24431-b-4-e Acquired: 5/29/2013 12:54:16 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.0987	-2.6212	-6.453	3.8821	87.041	-1.7240
Stddev	.3122	.3321	1.647	1.0513	.033	.1230
%RSD	7.6169	12.670	25.53	27.080	.03809	7.1329

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-1.8070	10.194	6.1232	12536.	11910.
Stddev	.6117	2.115	.1982	41.	65.
%RSD	33.854	20.745	3.2366	.32878	.54704

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5311.3	4662.3	52828.	9902.0
Stddev	19.1	20.9	33.	83.9
%RSD	.36000	.44757	.06221	.84682

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	74.698%	82.702%	80.230%	91.635%
Range				

Sample Name: 240-24431-b-5-e Acquired: 5/29/2013 12:58:24 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.48248	54.889	8.1597	90.654	472.99	-.11618
Stddev	.64837	2.691	1.9375	1.359	6.40	.02646
%RSD	134.38	4.9032	23.745	1.4987	1.3521	22.776

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	487740.	1.870	8.5344	1.8601	-.94795	103.56
Stddev	6683.	.045	.2261	.1094	.44691	.83
%RSD	1.3702	2.434	2.6492	5.8805	47.145	.80412

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2471.8	-11.735	15985.	3380.7	1.8264	F 1095500.
Stddev	61.9	.958	180.	22.1	.1701	21833.
%RSD	2.5058	8.1643	1.1259	.65502	9.3130	1.9930

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500000.
Low Limit						-500000.

Sample Name: 240-24431-b-5-e Acquired: 5/29/2013 12:58:24 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16.019	14.735	-5.223	3.9444	168.88	-.26970
Stddev	.453	.417	1.102	1.7658	1.08	.17495
%RSD	2.8277	2.8323	21.10	44.768	.63673	64.870

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.56612	-.26139	272.94	5473.4	691.50
Stddev	1.3624	.98469	1.97	79.5	16.78
%RSD	240.65	376.71	.72053	1.4523	2.4262

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5457.0	4801.7	54076.	9918.1
Stddev	26.4	27.6	113.	118.2
%RSD	.48448	.57411	.20865	1.1919

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	76.747%	85.175%	82.127%	91.784%
Range				

Sample Name: 240-24431-b-6-e Acquired: 5/29/2013 13:02:39 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.45288	1175.0	4.4260	67.626	681.95	-.65061
Stddev	.27189	19.2	.9870	.198	1.59	.01553
%RSD	60.034	1.6302	22.300	.29283	.23317	2.3872

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 703030.	-.0032	-.11168	16.919	-3.8867	3.5012
Stddev	11908.	.0686	.37391	.251	.9857	.5145
%RSD	1.6938	2161.	334.80	1.4808	25.360	14.695

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500000.					
Low Limit	-500000.					

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19050.	1.0912	121.42	2.5176	14.900	F 1034200.
Stddev	54.	1.3377	.25	.0269	.073	10434.
%RSD	.28266	122.60	.20850	1.0700	.48817	1.0089

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500000.
Low Limit						-500000.

Sample Name: 240-24431-b-6-e Acquired: 5/29/2013 13:02:39 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.1872	-2.3928	-8.887	2.7587	48.392	-1.3580
Stddev	.5757	1.7206	1.073	2.3577	1.243	.0328
%RSD	13.750	71.906	12.07	85.464	2.5677	2.4124

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.47125	3.4737	10.433	7250.3	3600.2
Stddev	.57539	.4359	.056	18.5	7.8
%RSD	122.10	12.547	.53568	.25501	.21708

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5460.5	4815.7	55457.	10201.
Stddev	36.3	26.9	402.	126.
%RSD	.66406	.55846	.72407	1.2375

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	76.796%	85.423%	84.224%	94.401%
Range				

Sample Name: 240-24431-b-7-g Acquired: 5/29/2013 13:06:48 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.52252	45.761	2.8498	139.62	368.54	-.44735
Stddev	.40995	19.063	.3177	1.15	4.53	.03671
%RSD	78.456	41.659	11.147	.82223	1.2288	8.2064

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 673730.	.9496	14.591	2.0198	-3.7360	97.736
Stddev	11244.	.0863	.011	.0963	.7246	2.430
%RSD	1.6690	9.088	.07873	4.7667	19.395	2.4862

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500000.					
Low Limit	-500000.					

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2141.3	-18.473	47524.	4349.7	5.8643	F 1044000.
Stddev	46.0	1.017	727.	18.0	.1450	48997.
%RSD	2.1494	5.5048	1.5298	.41373	2.4720	4.6933

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500000.
Low Limit						-500000.

Sample Name: 240-24431-b-7-g Acquired: 5/29/2013 13:06:48 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21.721	-1.4111	-6.637	2.5317	12.660	-.85894
Stddev	.069	.7379	.105	1.9185	.385	.10060
%RSD	.31561	52.289	1.575	75.780	3.0423	11.712

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.5237	8.3895	22.468	24914.	7155.0
Stddev	.7088	1.7388	.015	1762.	97.8
%RSD	46.515	20.727	.06570	7.0736	1.3663

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5400.1	4765.6	55923.	9912.5
Stddev	15.5	16.8	143.	220.6
%RSD	.28754	.35338	.25634	2.2255

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	75.947%	84.534%	84.931%	91.732%
Range				

Sample Name: 240-24646-b-1-b Acquired: 5/29/2013 13:11:03 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.88444	595.99	8.0371	315.98	290.52	.03940
Stddev	.06467	22.61	.6747	6.73	2.28	.02886
%RSD	7.3122	3.7928	8.3951	2.1302	.78393	73.233

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	83210.	10.75	.12841	2.4767	8.2236	333.22
Stddev	1483.	.28	.34658	.1372	.4345	4.53
%RSD	1.7823	2.594	269.89	5.5387	5.2833	1.3607

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10542.	4.7431	20389.	150.68	.04156	F 965950.
Stddev	63.	.9365	294.	1.77	.18699	11691.
%RSD	.60017	19.744	1.4435	1.1755	449.93	1.2103

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500000.
Low Limit						-500000.

Sample Name: 240-24646-b-1-b Acquired: 5/29/2013 13:11:03 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12.807	134.33	4.144	3.4454	104.96	7.4939
Stddev	.700	3.15	1.673	1.4247	1.99	.3171
%RSD	5.4648	2.3442	40.37	41.352	1.8922	4.2313

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-2.5296	2.0665	2121.9	5817.1	512.80
Stddev	.5587	1.8689	51.7	106.0	30.08
%RSD	22.085	90.438	2.4378	1.8219	5.8666

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5685.4	4963.6	55224.	10177.
Stddev	128.1	107.8	688.	114.
%RSD	2.2524	2.1728	1.2460	1.1227

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	79.959%	88.046%	83.870%	94.180%
Range				

Sample Name: 240-24504-b-1-h Acquired: 5/29/2013 13:15:09 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.53020	22.083	5.2630	74.745	873.20	-.56967
Stddev	.24421	15.268	.6312	.998	18.43	.02006
%RSD	46.059	69.142	11.994	1.3346	2.1100	3.5210

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 716500.	.3907	7.2222	2.2522	-3.4270	3.3355
Stddev	20540.	.0509	.2694	.0479	.6140	2.6219
%RSD	2.8667	13.04	3.7307	2.1285	17.918	78.605

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500000.					
Low Limit	-500000.					

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5504.4	-10.321	15917.	965.86	6.1638	F 1009900.
Stddev	121.4	.527	402.	4.91	.0655	45007.
%RSD	2.2047	5.1045	2.5269	.50800	1.0625	4.4564

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500000.
Low Limit						-500000.

Sample Name: 240-24504-b-1-h Acquired: 5/29/2013 13:15:09 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	38.383	-84860	-5.915	5.4562	50.996	-.83912
Stddev	.516	.79972	.103	1.5482	.646	.07277
%RSD	1.3440	94.240	1.750	28.375	1.2673	8.6726

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.15382	.31156	26.418	15725.	1996.1
Stddev	.76826	1.3032	.350	938.	36.1
%RSD	499.46	418.30	1.3230	5.9646	1.8074

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5433.2	4778.9	55489.	9956.1
Stddev	55.9	50.2	457.	245.3
%RSD	1.0292	1.0494	.82301	2.4636

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	76.413%	84.770%	84.273%	92.135%
Range				

Sample Name: 240-24583-c-1-b Acquired: 5/29/2013 13:19:16 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.42004	39.255	5.6230	4103.0	2413.2	-.00096
Stddev	.27897	15.642	2.0070	17.8	3.6	.00819
%RSD	66.415	39.848	35.693	.43496	.14787	854.59

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	^ *****	2.357	.57643	4.2055	k 70.182	355.11
Stddev	-----	.177	.44061	.2566	1.014	1.26
%RSD	-----	7.495	76.437	6.1015	1.4444	.35438

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1497.6	k 5.2379	1367.4	126.64	.98994	F 1015000.
Stddev	13.5	.8483	49.3	.78	.09289	10931.
%RSD	.89991	16.196	3.6018	.61244	9.3829	1.0769

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500000.
Low Limit						-500000.

Sample Name: 240-24583-c-1-b Acquired: 5/29/2013 13:19:16 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13.231	k 17.158	-1.411	4.8555	96.351	-.20479
Stddev	.068	.663	2.041	.6271	.685	.10524
%RSD	.51483	3.8618	144.7	12.915	.71124	51.389

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-1.3899	1.3789	F 48340.	565.25	130.11
Stddev	.2596	2.6218	189.	43.97	2.86
%RSD	18.676	190.13	.39048	7.7788	2.2007

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			10000.		
Low Limit			-500000.		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5914.4	5128.8	57629.	10478.
Stddev	20.9	17.9	305.	162.
%RSD	.35384	.34837	.52975	1.5438

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	83.180%	90.976%	87.522%	96.969%
Range				

Sample Name: CRI Acquired: 5/29/2013 13:23:23 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.311	201.49	14.718	208.97	199.85	4.8929	5135.9
Stddev	.567	9.44	1.309	.11	.39	.0404	20.9
%RSD	5.4962	4.6851	8.8914	.05472	.19416	.82511	.40626

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.007	9.1472	9.8519	18.307	205.66	4985.9	51.306
Stddev	.062	.2088	.3926	.345	1.23	57.2	1.398
%RSD	1.231	2.2825	3.9852	1.8820	.59985	1.1477	2.7244

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4984.8	15.172	38.304	5346.5	38.331	10.214	18.22
Stddev	34.0	.479	.093	61.6	.239	.104	1.33
%RSD	.68199	3.1570	.24295	1.1514	.62335	1.0136	7.322

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Sample Name: CRI Acquired: 5/29/2013 13:23:23 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19.725	101.30	F 494.40	19.307	9.8264	49.256	582.38
Stddev	.790	.30	1.03	.517	1.3379	.218	16.61
%RSD	4.0041	.30088	.20842	2.6774	13.615	.44278	2.8529

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			50.000				
Range			30.500%				

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	48.930
Stddev	3.429
%RSD	7.0078

Check ?	None
Value	
Range	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6954.1	5570.2	64610.	10774.
Stddev	30.4	22.0	823.	95.
%RSD	.43683	.39452	1.2743	.88401

Sample Name: 240-24610-b-52-a@5 Acquired: 5/29/2013 13:27:09 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.38173	6689.6	5.5306	29.968	167.61	.45043	337860.
Stddev	.48677	39.2	.7853	.188	.35	.03932	8417.
%RSD	127.52	.58532	14.199	.62833	.20892	8.7294	2.4911

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4470	8.5899	32.677	53.871	36103.	3106.2	-8.9168
Stddev	.0652	.2717	.090	.190	182.	38.0	1.6777
%RSD	14.59	3.1635	.27509	.35350	.50482	1.2223	18.815

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	78195.	1713.8	.30401	497.06	24.861	48.528	.2682
Stddev	587.	5.7	.14232	37.38	.214	.725	1.002
%RSD	.75026	.33017	46.813	7.5208	.85981	1.4941	373.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24610-b-52-a@5 Acquired: 5/29/2013 13:27:09 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.58607	7.2019	133.71	2.5525	37.234	39.548	685.78
Stddev	1.4442	.4073	.39	.3744	1.049	.143	5.65
%RSD	246.42	5.6548	.29093	14.668	2.8165	.36125	.82400

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	352.81
Stddev	1.74
%RSD	.49343

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6259.5	5378.0	63132.	10979.
Stddev	25.8	21.3	113.	168.
%RSD	.41151	.39529	.17819	1.5346

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	88.034%	95.397%	95.880%	101.60%
Range				

Sample Name: CCV Acquired: 5/29/2013 13:31:10 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1022.5	24687.	495.16	5031.0	2015.2	1983.3	51151.	500.7
Stddev	1.1	60.	1.90	3.0	4.0	3.4	68.	.1
%RSD	.10394	.24402	.38310	.05985	.20036	.16952	.13358	.0152

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1938.1	1931.1	1945.7	24365.	49459.	4860.1	49015.	1945.6
Stddev	.8	4.0	2.8	90.	81.	10.2	193.	5.6
%RSD	.04348	.20555	.14174	.36778	.16428	.21067	.39434	.28746

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1898.7	49657.	1931.2	477.52	495.9	507.64	5119.0	4978.5
Stddev	1.7	117.	1.1	.09	2.4	2.94	6.9	65.2
%RSD	.09193	.23570	.05458	.01899	.4760	.57885	.13503	1.3093

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: CCV Acquired: 5/29/2013 13:31:10 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	976.61	1945.6	1966.1	5503.9	4769.5
Stddev	2.42	2.7	1.0	135.5	9.0
%RSD	.24744	.14034	.05143	2.4616	.18855

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6324.3	5349.8	61848.	10519.
Stddev	11.8	14.3	367.	131.
%RSD	.18608	.26746	.59416	1.2464

Sample Name: CCB Acquired: 5/29/2013 13:34:57 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.07819	-2.1493	-.01759	9.3790	.30821	.09540	-.42160	.0178
Stddev	.24388	5.8342	.51652	1.3733	.26970	.05876	3.2124	.0994
%RSD	311.90	271.44	2936.5	14.642	87.504	61.595	761.96	560.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.32502	.07064	-.34514	1.9085	160.57	5.0617	13.495	.16450
Stddev	.15029	.23106	.29942	1.7434	49.43	.6595	8.766	.34780
%RSD	46.238	327.08	86.753	91.350	30.781	13.029	64.961	211.44

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.6235	173.92	-.07788	-.19637	-2.452	-.20183	1.4563	1.7595
Stddev	.3035	52.40	.33386	.32164	.751	1.4248	.3288	.9823
%RSD	18.693	30.127	428.66	163.79	30.62	705.94	22.579	55.828

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB Acquired: 5/29/2013 13:34:57 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.88240	1.4523	-.28717	29.626	1.4470
Stddev	.83732	1.7596	.21981	7.376	4.2694
%RSD	94.891	121.16	76.544	24.897	295.04

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7105.5	5629.8	64642.	10564.
Stddev	190.6	125.7	135.	54.
%RSD	2.6824	2.2325	.20835	.50862

Sample Name: CRI Acquired: 5/29/2013 13:38:52 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.523	196.49	14.104	205.66	198.35	4.9025	5083.2
Stddev	.209	7.28	1.293	.40	.35	.0318	6.9
%RSD	1.9905	3.7061	9.1669	.19321	.17541	.64845	.13619

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.080	9.2444	10.025	18.180	202.94	4923.6	49.117
Stddev	.068	.1140	.343	.836	1.47	31.5	1.091
%RSD	1.339	1.2336	3.4228	4.5991	.72534	.64031	2.2222

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4906.5	14.689	38.443	5044.7	37.425	9.4277	16.59
Stddev	16.5	.045	.076	29.3	.220	.0961	1.43
%RSD	.33594	.30972	.19880	.58079	.58710	1.0193	8.649

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Sample Name: CRI Acquired: 5/29/2013 13:38:52 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18.634	98.610	F 491.59	20.009	10.488	46.954	565.06
Stddev	.197	.249	1.05	.464	.234	.118	5.23
%RSD	1.0567	.25222	.21396	2.3200	2.2282	.25226	.92639

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			50.000				
Range			30.500%				

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	46.766
Stddev	1.160
%RSD	2.4801

Check ?	None
Value	
Range	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7043.3	5632.8	66155.	11018.
Stddev	17.2	15.6	289.	34.
%RSD	.24470	.27686	.43727	.30506

Sample Name: 240-24736-f-4-a@5 Acquired: 5/29/2013 13:42:40 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.07664	41951.	13.450	6.8602	196.98	2.4224	20247.	.0878
Stddev	.70163	72.	1.306	.2799	.52	.0239	54.	.1102
%RSD	915.43	.17113	9.7071	4.0808	.26430	.98520	.26593	125.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24.437	43.988	31.595	89098.	2389.0	46.426	8624.5	3121.6
Stddev	.182	.297	.849	99.	24.7	.882	18.3	72.4
%RSD	.74443	.67457	2.6865	.11153	1.0344	1.8997	.21237	2.3189

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.36465	414.17	60.522	22.670	-3.705	-.34895	4.5740	47.932
Stddev	.17606	22.50	.461	.711	.546	.27612	.0383	.250
%RSD	48.283	5.4315	.76233	3.1358	14.73	79.130	.83673	.52168

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24736-f-4-a@5 Acquired: 5/29/2013 13:42:40 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.0659	49.441	134.44	367.54	96.999
Stddev	.3884	.869	.08	9.46	2.843
%RSD	18.800	1.7579	.05929	2.5748	2.9306

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6751.3	6010.0	71043.	11992.
Stddev	9.3	4.9	921.	36.
%RSD	.13770	.08182	1.2963	.30136

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.950%	106.61%	107.89%	110.97%
Range				

Sample Name: 240-24831-b-2-a@10 Acquired: 5/29/2013 13:46:38 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.12084	3303.3	3.7913	7.5304	41.493	.37421	1684.4	.1939
Stddev	.07850	25.9	2.1003	.2545	.233	.02428	11.8	.1132
%RSD	64.960	.78330	55.397	3.3800	.56199	6.4885	.69874	58.38

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.5554	5.1570	117.01	6564.5	288.97	6.1267	1071.3	114.94
Stddev	.1859	.1390	1.01	30.4	27.21	.6523	5.8	.64
%RSD	7.2760	2.6956	.86199	.46238	9.4146	10.648	.54402	.55329

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.19712	137.49	7.1365	439.66	-3.344	-.25894	1.4552	178.04
Stddev	.08091	11.14	.3540	1.21	2.164	1.8021	.1044	.53
%RSD	41.047	8.1035	4.9606	.27588	64.71	695.96	7.1705	.29819

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24831-b-2-a@10 Acquired: 5/29/2013 13:46:38 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.57195	13.994	15.511	203.89	30.742
Stddev	.03939	1.233	.072	2.66	2.822
%RSD	6.8864	8.8139	.46461	1.3054	9.1802

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7182.4	5777.0	67435.	11069.
Stddev	46.3	23.8	195.	64.
%RSD	.64515	.41218	.28934	.58110

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	101.01%	102.47%	102.42%	102.43%
Range				

Sample Name: 240-24748-al-9-e msd Acquired: 5/29/2013 13:50:29 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	106.03	10016.	1017.5	202.43	1051.0	1014.9	130040.
Stddev	.18	44.	3.7	.35	4.7	3.3	1669.
%RSD	.16709	.44368	.36797	.17148	.44456	.32321	1.2836

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1027.	988.19	973.31	1004.1	11676.	15498.	-4.4501
Stddev	2.	1.52	2.18	2.0	37.	39.	.9770
%RSD	.1561	.15377	.22430	.20356	.31778	.25140	21.955

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	28687.	1268.8	114.75	100660.	982.68	962.35	97.94
Stddev	96.	4.5	.51	183.	3.14	3.23	1.54
%RSD	.33602	.35521	.44680	.18191	.31938	.33604	1.576

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24748-al-9-e msd Acquired: 5/29/2013 13:50:29 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1042.5	102.17	100.82	243.90	1002.7	989.28	5096.1
Stddev	1.1	.59	.49	.84	3.0	3.49	21.3
%RSD	.10248	.57600	.48260	.34590	.30011	.35272	.41761

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1251.5
Stddev	3.1
%RSD	.24493

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6393.1	5327.8	62292.	10526.
Stddev	25.2	23.4	188.	34.
%RSD	.39455	.43950	.30222	.32238

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	89.912%	94.506%	94.604%	97.406%
Range				

Sample Name: 240-24717-b-12-a Acquired: 5/29/2013 13:54:16 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.12575	5.8176	7.8082	53.350	409.26	.35666	155380.
Stddev	.61132	15.480	.9347	.122	.80	.66395	1245.
%RSD	486.15	266.09	11.971	.22923	.19443	186.16	.80103

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3277	.88435	.88102	-2.0939	3026.2	4815.9	45.756
Stddev	.0218	.24636	.39508	.8893	6.8	21.0	1.070
%RSD	6.656	27.858	44.844	42.469	.22538	.43668	2.3376

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	42496.	384.35	4.2624	377830.	4.9845	-.65017	-1.981
Stddev	260.	1.38	.0425	2699.	.2604	.36959	1.560
%RSD	.61187	.36032	.99631	.71430	5.2236	56.845	78.75

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24717-b-12-a Acquired: 5/29/2013 13:54:16 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.49704	.74445	-.38907	1.2617	1.3098	3.0390	6743.9
Stddev	2.0669	.49979	.20543	.9370	2.2337	.0580	7.6
%RSD	415.84	67.135	52.799	74.263	170.54	1.9082	.11334

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	288.50
Stddev	4.11
%RSD	1.4240

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6011.3	5114.9	60794.	11013.
Stddev	43.1	30.5	232.	144.
%RSD	.71650	.59583	.38216	1.3066

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	84.543%	90.730%	92.329%	101.92%
Range				

Sample Name: 240-24717-b-13-a Acquired: 5/29/2013 13:58:25 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-20001	84.967	2.0097	75.496	315.33	-05979	129000.
Stddev	.36740	6.230	1.0070	.498	1.86	.04780	1084.
%RSD	183.69	7.3327	50.108	.66026	.59122	79.951	.84051

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3113	.19425	1.4273	-1.9510	2394.1	6877.5	7.6568
Stddev	.0901	.10336	.3078	.7993	33.3	24.3	1.7260
%RSD	28.93	53.212	21.562	40.968	1.3906	.35311	22.543

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	30686.	819.11	-12746	310970.	1.8299	-11288	-1.598
Stddev	312.	2.08	.08968	543.	.3533	.47460	1.323
%RSD	1.0161	.25393	70.353	.17465	19.307	420.43	82.79

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24717-b-13-a Acquired: 5/29/2013 13:58:25 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.4024	.35930	2.8203	1.7372	.62582	4.2019	10013.
Stddev	1.7843	.55367	.0231	.8784	.97110	.1833	51.
%RSD	127.23	154.10	.81974	50.565	155.17	4.3628	.51069

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	276.73
Stddev	1.45
%RSD	.52286

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6259.2	5306.1	60861.	10715.
Stddev	41.1	30.6	151.	85.
%RSD	.65702	.57736	.24812	.78962

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	88.029%	94.122%	92.431%	99.156%
Range				

Sample Name: 240-24717-b-14-a Acquired: 5/29/2013 14:02:34 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.11600	3.8073	1.5422	52.915	93.970	.01806	122900.
Stddev	.34323	5.9689	1.3346	.352	.860	.13868	3758.
%RSD	295.90	156.78	86.537	.66588	.91491	767.93	3.0576

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2105	-.25365	.70405	-2.1004	114.61	1891.8	-2.3344
Stddev	.0611	.23586	.21444	.6736	17.45	28.9	1.3545
%RSD	29.00	92.984	30.459	32.071	15.222	1.5298	58.021

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23786.	8.7320	1.8814	140850.	1.7096	-.61868	-3.277
Stddev	125.	1.2765	.0886	2585.	.3681	.88808	1.626
%RSD	.52383	14.619	4.7117	1.8356	21.531	143.54	49.63

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24717-b-14-a Acquired: 5/29/2013 14:02:34 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .71753	.32681	- .45355	.81346	.28922	261.83	5789.6
Stddev	2.1285	.45264	.22387	.62831	.50815	1.76	9.5
%RSD	296.64	138.50	49.361	77.239	175.70	.67047	.16487

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	153.70
Stddev	3.58
%RSD	2.3271

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6449.3	5361.7	63407.	10848.
Stddev	42.4	30.3	333.	104.
%RSD	.65712	.56470	.52543	.95888

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.702%	95.108%	96.297%	100.39%
Range				

Sample Name: 240-24717-b-15-a Acquired: 5/29/2013 14:06:42 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.14112	.67047	14.759	68.361	135.43	-.06065	59511.	.1991
Stddev	.15392	4.6988	.833	.123	.76	.00160	105.	.1859
%RSD	109.07	700.82	5.6424	.18059	.56115	2.6426	.17724	93.39

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.18613	.23291	-1.1505	916.51	1442.4	3.1115	21481.	70.818
Stddev	.19221	.18044	.5486	6.29	30.5	.2751	4.	.176
%RSD	103.27	77.470	47.681	.68602	2.1160	8.8420	.01667	.24838

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13.168	16325.	.33582	.19306	-2.954	-.64659	-.06377	-.40555
Stddev	.172	421.	.14520	.17554	.639	1.2720	.20465	.01882
%RSD	1.3066	2.5784	43.237	90.925	21.65	196.72	320.94	4.6398

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24717-b-15-a Acquired: 5/29/2013 14:06:42 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.0380	.68623	2.1297	7406.5	451.51
Stddev	.3994	2.4031	.0868	34.0	3.67
%RSD	38.480	350.19	4.0759	.45922	.81188

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6802.5	5537.0	64722.	11035.
Stddev	15.4	8.2	235.	126.
%RSD	.22659	.14847	.36351	1.1379

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.670%	98.218%	98.295%	102.12%
Range				

Sample Name: 240-24724-m-2-a Acquired: 5/29/2013 14:10:35 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.05590	296.33	.32735	255.40	132.12	.01818	198150.
Stddev	.31675	18.10	2.8000	1.32	.55	.02059	1018.
%RSD	566.61	6.1066	855.36	.51746	.41523	113.25	.51355

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4377	-.46758	28.547	-2.0254	60095.	9886.2	286.43
Stddev	.1449	.15500	.318	.2968	201.	4.1	2.78
%RSD	33.10	33.150	1.1154	14.652	.33442	.04168	.96982

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	118320.	3107.7	-.85673	76515.	9.0436	-.80989	-2.729
Stddev	345.	32.4	.08030	240.	.3605	.78255	2.481
%RSD	.29142	1.0420	9.3725	.31413	3.9864	96.624	90.93

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24724-m-2-a Acquired: 5/29/2013 14:10:35 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.18533	.85777	1.3127	3.2510	.38995	9.4235	13742.
Stddev	1.9680	.32815	.0485	.4133	2.3066	.1450	35.
%RSD	1061.9	38.256	3.6939	12.713	591.51	1.5387	.25401

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	887.23
Stddev	3.21
%RSD	.36137

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6059.2	5125.5	61014.	10145.
Stddev	72.0	56.1	413.	22.
%RSD	1.1877	1.0945	.67657	.22115

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	85.217%	90.918%	92.664%	93.883%
Range				

Sample Name: 240-24724-m-4-a Acquired: 5/29/2013 14:14:41 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-58704	63591.	64.589	308.10	1203.7	5.0179	412080.
Stddev	.07382	199.	1.931	.42	4.1	.0333	5076.
%RSD	12.576	.31279	2.9905	.13788	.33731	.66418	1.2317

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.731	48.441	183.62	1024.6	133610.	56453.	76.830
Stddev	.045	.166	.30	1.8	1201.	262.	.601
%RSD	1.213	.34310	.16121	.17493	.89866	.46481	.78161

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	83387.	3184.2	12.895	71042.	132.57	789.72	-2.062
Stddev	681.	11.6	.012	338.	.82	1.73	.755
%RSD	.81625	.36337	.09205	.47549	.61637	.21935	36.62

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24724-m-4-a Acquired: 5/29/2013 14:14:41 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.0786	134.18	465.99	3.7372	126.34	5723.5	38283.
Stddev	2.5089	.93	1.56	.8239	1.25	27.2	1209.
%RSD	232.60	.69507	.33577	22.047	.99204	.47533	3.1568

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1687.8
Stddev	13.1
%RSD	.77827

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5922.7	5502.2	64190.	11643.
Stddev	24.0	18.0	85.	186.
%RSD	.40520	.32683	.13222	1.5960

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	83.297%	97.601%	97.487%	107.75%
Range				

Sample Name: CCV Acquired: 5/29/2013 14:18:53 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1011.9	24462.	491.92	5007.6	1992.1	1938.4	[^] F *****
Stddev	1.2	167.	2.05	17.5	4.6	9.5	-----
%RSD	.12134	.68161	.41612	.35018	.23245	.48935	-----

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value							50000.
Range							-10.500%

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	497.2	1912.7	1911.9	k 1941.1	24170.	48874.	k 4765.9
Stddev	1.3	2.3	3.9	1.3	584.	130.	18.6
%RSD	.2591	.12077	.20238	.06678	2.4152	.26681	.39070

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47888.	1909.8	1895.9	49148.	1905.1	k 472.25	496.0
Stddev	466.	2.3	3.9	245.	2.5	.79	2.9
%RSD	.97360	.12299	.20618	.49809	.13228	.16649	.5937

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Sample Name: CCV Acquired: 5/29/2013 14:18:53 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	502.66	5000.9	4934.0	962.58	1918.0	1920.6	F 5549.2
Stddev	2.68	2.2	25.0	.91	10.3	4.9	213.2
%RSD	.53238	.04400	.50762	.09448	.53492	.25492	3.8417

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value							5000.0
Range							10.500%

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	4673.6
Stddev	26.3
%RSD	.56372

Check ?	Chk Pass
Value	
Range	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6478.8	5449.9	63232.	10723.
Stddev	30.0	25.8	370.	163.
%RSD	.46281	.47352	.58551	1.5216

Sample Name: CCB Acquired: 5/29/2013 14:22:40 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.14809	4.7683	1.2550	14.668	.32512	.12785	8.0442	.6077
Stddev	.19068	17.226	1.6681	6.598	.41883	.07022	4.0547	.5981
%RSD	128.76	361.25	132.92	44.981	128.82	54.922	50.405	98.42

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.1192	.10025	-.87908	7.1979	166.94	2.9422	.46510	.05928
Stddev	2.1761	.25406	.59785	.3892	40.66	.4094	1.4250	.00592
%RSD	102.69	253.42	68.008	5.4076	24.354	13.915	306.38	9.9921

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.2586	72.778	2.4322	1.2063	-.8656	.11480	7.0892	1.2990
Stddev	2.3856	33.132	2.5912	.1665	.9423	.39960	5.9003	.1058
%RSD	56.018	45.524	106.54	13.800	108.9	348.08	83.229	8.1453

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB Acquired: 5/29/2013 14:22:40 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.85506	.87866	3.3292	23.901	2.0495
Stddev	.95261	2.7727	3.7579	5.124	2.0267
%RSD	111.41	315.56	112.88	21.438	98.887

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7053.2	5587.1	65507.	10536.
Stddev	52.4	44.4	107.	105.
%RSD	.74323	.79480	.16269	1.0007

Sample Name: 240-24748-n-1-a Acquired: 5/29/2013 14:26:36 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.11045	31.837	1.3487	38.149	11.817	.62559	75318.	.3013
Stddev	.66402	26.377	2.6225	.589	.897	1.0841	1147.	.1309
%RSD	601.22	82.849	194.44	1.5434	7.5944	173.29	1.5224	43.44

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.42930	.85169	-.37023	47.551	1458.2	-.30505	18537.	.92669
Stddev	.24815	.15121	.42331	11.787	40.8	3.2419	240.	.00941
%RSD	57.804	17.755	114.34	24.789	2.7950	1062.8	1.2959	1.0157

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.53167	2598.1	.19180	-.35889	-2.861	.23339	-.23387	.63426
Stddev	.07482	24.8	.22941	.69039	.789	1.3747	.35266	.19310
%RSD	14.073	.95340	119.61	192.37	27.59	589.00	150.79	30.445

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24748-n-1-a Acquired: 5/29/2013 14:26:36 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.2741	.26083	1.2019	2629.3	113.24
Stddev	.2423	1.2353	.1627	36.5	3.64
%RSD	19.019	473.59	13.538	1.3900	3.2130

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6808.3	5506.1	65553.	10894.
Stddev	36.4	32.4	213.	66.
%RSD	.53506	.58874	.32560	.60686

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.752%	97.668%	99.556%	100.81%
Range				

Sample Name: 240-24748-n-2-a Acquired: 5/29/2013 14:30:29 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.16801	18.628	1.5161	36.868	11.307	-.04420	75781.	.2065
Stddev	.18141	15.924	.2354	.253	.191	.01112	1094.	.1382
%RSD	107.98	85.483	15.525	.68713	1.6887	25.153	1.4442	66.93

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.25071	.76882	.45772	107.01	1436.5	-2.4135	18618.	2.5488
Stddev	.08725	.33316	.32746	1.35	21.0	.0997	260.	.0239
%RSD	34.801	43.334	71.541	1.2570	1.4591	4.1296	1.3941	.93901

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.33184	2657.2	.79782	.47731	-1.978	.01831	.21674	.30798
Stddev	.09462	31.6	.17289	.45084	.994	1.9558	.23326	.12434
%RSD	28.513	1.1889	21.671	94.454	50.25	10684.	107.63	40.375

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24748-n-2-a Acquired: 5/29/2013 14:30:29 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.92416	.68766	2.8223	2633.5	116.50
Stddev	.54582	2.0362	.0845	40.3	1.73
%RSD	59.061	296.11	2.9939	1.5319	1.4881

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6807.0	5509.8	65132.	10949.
Stddev	8.1	10.3	705.	231.
%RSD	.11874	.18781	1.0817	2.1117

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.733%	97.734%	98.918%	101.33%
Range				

Sample Name: 240-24748-n-3-a Acquired: 5/29/2013 14:34:22 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.17528	-14.744	.89978	55.505	10.829	-.10763	63602.	.2561
Stddev	.43117	3.836	.06761	.411	.082	.01411	171.	.0371
%RSD	245.99	26.013	7.5145	.74105	.75966	13.112	.26947	14.51

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.32605	.56903	.98619	5.7009	1844.3	-1.7716	13688.	.52086
Stddev	.21448	.18438	.52429	.7769	25.6	.8411	42.	.03038
%RSD	65.780	32.402	53.164	13.627	1.3902	47.478	.30392	5.8317

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	25.217	20615.	.75709	-.32608	-3.155	-.33100	-.60818	-.25100
Stddev	.202	118.	.42550	1.7148	.363	.60209	.46981	.09512
%RSD	.79943	.57347	56.202	525.88	11.49	181.90	77.249	37.897

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24748-n-3-a Acquired: 5/29/2013 14:34:22 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.5312	-.94267	4.6641	3480.3	124.18
Stddev	.9894	1.5333	.0710	13.6	3.91
%RSD	64.617	162.66	1.5224	.39127	3.1451

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6830.6	5527.4	64263.	11026.
Stddev	64.5	44.2	742.	10.
%RSD	.94357	.79972	1.1550	.08747

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.065%	98.047%	97.597%	102.04%
Range				

Sample Name: 240-24748-n-4-a Acquired: 5/29/2013 14:38:15 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-0.00385	44.205	3.7926	67.020	53.532	-0.05860	107670.
Stddev	.33606	4.452	1.7537	.236	.040	.02702	661.
%RSD	8724.2	10.072	46.240	.35258	.07382	46.117	.61385

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1082	-0.16291	.73880	-1.5039	2720.8	3747.8	-3.1720
Stddev	.1150	.19879	.19352	1.1417	12.4	17.8	.2170
%RSD	106.3	122.03	26.194	75.914	.45693	.47463	6.8405

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21778.	450.15	1.9815	155310.	1.5703	-0.09550	-3.047
Stddev	141.	.15	.1527	2108.	.4182	1.3007	.548
%RSD	.64642	.03413	7.7054	1.3574	26.632	1362.0	17.99

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24748-n-4-a Acquired: 5/29/2013 14:38:15 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.6792	.30925	.56135	.89038	.64333	2.4442	5211.3
Stddev	.7149	.24901	.04415	.72189	1.0636	.0124	8.5
%RSD	42.572	80.520	7.8642	81.077	165.32	.50762	.16290

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	245.42
Stddev	2.81
%RSD	1.1462

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6554.6	5436.1	63490.	10959.
Stddev	56.6	35.5	130.	143.
%RSD	.86362	.65284	.20476	1.3073

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.183%	96.428%	96.423%	101.41%
Range				

Sample Name: 240-24748-n-5-a Acquired: 5/29/2013 14:42:23 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.28055	1046.3	7.9175	56.164	41.377	-.02571	76503.	.1961
Stddev	.17688	16.1	.6451	2.173	.201	.02685	791.	.0753
%RSD	63.047	1.5363	8.1480	3.8686	.48496	104.41	1.0344	38.41

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.55470	2.1483	1.7959	2836.8	2544.1	-.56765	14761.	1200.4
Stddev	.02308	.0755	.5633	12.9	16.0	1.2035	69.	1.1
%RSD	4.1614	3.5154	31.366	.45502	.62755	212.02	.46656	.08849

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	37.560	61705.	92.353	1.0235	-3.424	.27972	-.07894	25.554
Stddev	.134	128.	153.41	.7323	1.262	1.8685	.10961	.168
%RSD	.35743	.20751	166.11	71.544	36.86	667.99	138.86	.65903

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24748-n-5-a Acquired: 5/29/2013 14:42:23 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.8359	3.5284	44.195	6638.7	128.12
Stddev	1.0791	1.1621	60.224	22.7	1.69
%RSD	58.776	32.935	136.27	.34242	1.3205

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6506.3	5333.7	64151.	10953.
Stddev	246.1	213.9	136.	41.
%RSD	3.7826	4.0102	.21212	.37317

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.505%	94.611%	97.428%	101.36%
Range				

Sample Name: 240-24748-n-6-a Acquired: 5/29/2013 14:46:18 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.38281	24.832	3.0827	103.40	21.875	-.03242	58779.
Stddev	.34688	19.301	1.2594	.56	.187	.03636	216.
%RSD	90.614	77.729	40.854	.53757	.85403	112.16	.36742

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0775	.45216	11.740	25.544	535.95	2123.1	-1.1531
Stddev	.0830	.02448	.356	.394	4.17	37.7	.8082
%RSD	107.1	5.4131	3.0303	1.5420	.77864	1.7773	70.087

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10402.	32.822	5.8320	117580.	9.5636	1.0220	-3.849
Stddev	81.	.069	.0984	1189.	.3211	.4004	1.784
%RSD	.77517	.21148	1.6877	1.0108	3.3578	39.180	46.34

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24748-n-6-a Acquired: 5/29/2013 14:46:18 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .46984	- .01484	.28872	1.4187	1.1950	54.065	4218.7
Stddev	.46046	.64532	.04224	.4416	.6277	.190	24.4
%RSD	98.004	4347.9	14.631	31.125	52.526	.35135	.57852

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	117.28
Stddev	1.02
%RSD	.87292

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6738.1	5525.1	63938.	11261.
Stddev	38.0	13.3	103.	136.
%RSD	.56351	.23981	.16109	1.2044

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.765%	98.005%	97.104%	104.21%
Range				

Sample Name: 240-24748-n-7-a Acquired: 5/29/2013 14:50:12 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.02626	7.3924	2.3327	61.004	65.473	-.05571	60264.	.1496
Stddev	.12543	7.6533	1.5472	.664	.417	.02197	527.	.0211
%RSD	477.61	103.53	66.325	1.0882	.63656	39.442	.87511	14.12

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.05649	1.3406	-1.0990	513.85	3259.5	-2.2897	11501.	116.20
Stddev	.27833	.4019	.3008	5.37	61.6	1.8072	110.	1.99
%RSD	492.72	29.976	27.366	1.0449	1.8906	78.926	.95720	1.7128

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	208.95	35835.	.31882	.13441	-1.280	.18621	.12870	.34020
Stddev	1.60	320.	.13749	.84477	.971	1.0337	.10467	.11023
%RSD	.76531	.89385	43.126	628.51	75.88	555.11	81.328	32.400

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24748-n-7-a Acquired: 5/29/2013 14:50:12 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.6567	2.2318	2.5543	2752.4	260.77
Stddev	.6595	1.0464	.0882	22.5	2.43
%RSD	39.807	46.886	3.4511	.81779	.93101

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6824.0	5534.1	63636.	10719.
Stddev	15.0	16.1	805.	103.
%RSD	.22019	.29091	1.2647	.96222

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.972%	98.165%	96.646%	99.194%
Range				

Sample Name: 240-24748-n-8-a Acquired: 5/29/2013 14:54:04 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.01705	550.52	4.5362	84.989	57.053	-.05894	78390.	.1796
Stddev	.13711	1.27	.7197	.603	.066	.03723	1098.	.1024
%RSD	804.30	.23036	15.865	.70949	.11518	63.169	1.4002	57.01

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.14993	1.3719	.62557	3857.7	2658.1	-1.5914	13714.	527.07
Stddev	.06473	.2600	.42791	14.1	24.5	.8490	55.	1.97
%RSD	43.173	18.952	68.404	.36465	.92299	53.349	.39998	.37334

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20.796	94887.	1.2126	2.2701	-2.005	.69791	.11665	14.821
Stddev	.105	264.	.3098	.6586	1.788	.20421	.43928	.184
%RSD	.50442	.27795	25.547	29.013	89.22	29.260	376.57	1.2413

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24748-n-8-a Acquired: 5/29/2013 14:54:04 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.5909	1.0998	3.7057	7745.6	553.90
Stddev	.3829	1.0964	.0580	19.0	3.85
%RSD	24.066	99.686	1.5658	.24525	.69507

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6681.2	5484.2	63974.	11021.
Stddev	28.3	20.1	244.	116.
%RSD	.42386	.36728	.38100	1.0530

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	93.964%	97.281%	97.158%	101.99%
Range				

Sample Name: 240-24748-n-10-a Acquired: 5/29/2013 14:58:03 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.25642	13.306	1.2261	46.509	13.406	-.06896	50161.	.2116
Stddev	.17172	6.259	.5443	.272	.166	.03109	75.	.0616
%RSD	66.968	47.042	44.391	.58582	1.2347	45.087	.14987	29.14

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.33096	.84042	1.8454	24.040	1843.6	-.27447	12524.	.66354
Stddev	.25694	.43577	.5740	5.622	32.0	.77230	116.	.04857
%RSD	77.635	51.852	31.103	23.387	1.7369	281.38	.92994	7.3191

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	44.535	27877.	.50807	-.53251	-1.804	-.29486	-.26194	-.27213
Stddev	.080	107.	.36653	1.0730	.234	.93454	.35554	.12590
%RSD	.17908	.38360	72.142	201.50	12.95	316.94	135.74	46.264

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24748-n-10-a Acquired: 5/29/2013 14:58:03 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.5349	-.10517	1.5069	3644.2	125.00
Stddev	.8976	1.1687	.0953	10.7	1.79
%RSD	58.481	1111.3	6.3225	.29403	1.4286

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6909.5	5588.4	66714.	10974.
Stddev	28.4	22.2	543.	150.
%RSD	.41047	.39754	.81410	1.3707

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.175%	99.128%	101.32%	101.55%
Range				

Sample Name: 240-24748-n-11-a Acquired: 5/29/2013 15:01:54 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.03979	34.122	3.7491	102.50	65.947	-.13013	124940.
Stddev	.59920	10.267	.7816	.65	.880	.03691	3123.
%RSD	1506.1	30.090	20.847	.63197	1.3337	28.361	2.4996

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2829	-.22460	.56682	-1.9687	1259.9	6312.4	-5.2160
Stddev	.0814	.01973	.25074	.4311	15.7	32.8	.9920
%RSD	28.78	8.7826	44.237	21.901	1.2499	.51935	19.019

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	30882.	221.55	3.1736	211470.	3.5060	-.27304	-3.372
Stddev	411.	.50	.1679	6242.	.4239	.63302	.625
%RSD	1.3324	.22737	5.2900	2.9517	12.091	231.84	18.53

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24748-n-11-a Acquired: 5/29/2013 15:01:54 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.8046	-.24175	.45980	1.3887	-1.1548	1.8343	3815.6
Stddev	1.3033	.21444	.18878	1.0154	.8085	.0550	62.8
%RSD	72.221	88.703	41.056	73.120	70.008	2.9987	1.6456

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	297.79
Stddev	7.32
%RSD	2.4580

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6437.3	5343.9	62139.	10941.
Stddev	19.0	9.4	173.	168.
%RSD	.29520	.17526	.27782	1.5384

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.534%	94.793%	94.372%	101.25%
Range				

Sample Name: CCV Acquired: 5/29/2013 15:06:03 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1017.2	24566.	495.28	5035.4	2013.6	1962.6	50763.	500.0
Stddev	2.4	70.	2.30	15.1	4.1	3.3	131.	.7
%RSD	.23589	.28463	.46438	.29995	.20590	.16776	.25849	.1312

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1928.8	1921.6	1948.2	24053.	49267.	4829.4	48141.	1923.7
Stddev	1.5	6.6	3.2	58.	116.	13.9	241.	4.4
%RSD	.07849	.34180	.16211	.24274	.23632	.28881	.50064	.22842

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1904.3	49603.	1922.8	476.51	497.8	506.41	5045.2	5015.1
Stddev	4.6	163.	2.0	1.67	1.8	3.35	4.4	26.3
%RSD	.24355	.32818	.10177	.35076	.3525	.66149	.08693	.52421

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: CCV Acquired: 5/29/2013 15:06:03 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	968.33	1938.5	1946.5	5437.5	4730.6
Stddev	1.30	8.5	1.0	94.0	21.6
%RSD	.13406	.43703	.05096	1.7286	.45623

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6356.6	5352.5	62571.	10656.
Stddev	22.1	16.1	291.	193.
%RSD	.34757	.30090	.46459	1.8104

Sample Name: CCB Acquired: 5/29/2013 15:09:50 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.50931	-9.1840	-.35554	9.1951	-.00031	.20922	-1.3976	.2759
Stddev	.38546	16.782	1.8380	3.2377	.12894	.22160	2.9674	.2054
%RSD	75.684	182.73	516.97	35.211	42039.	105.92	212.32	74.44

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.31199	-.01054	-1.5628	1.8879	125.83	3.3332	10.748	-.00454
Stddev	1.1562	.02637	.5998	2.6411	14.19	.6002	3.954	.06466
%RSD	370.59	250.16	38.381	139.89	11.279	18.007	36.789	1423.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.2592	56.398	.52949	1.2908	-2.353	.36056	2.6390	1.4299
Stddev	1.0277	12.147	1.2071	.4681	.662	.85877	3.0348	.0828
%RSD	45.489	21.538	227.98	36.262	28.15	238.18	115.00	5.7897

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB Acquired: 5/29/2013 15:09:50 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.57399	1.1784	.10925	18.063	-1.0369
Stddev	.81729	1.2002	1.0981	8.753	4.1292
%RSD	142.39	101.85	1005.2	48.459	398.24

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7085.8	5614.6	66437.	10993.
Stddev	33.2	19.3	413.	48.
%RSD	.46883	.34357	.62120	.44000

Sample Name: 240-24748-n-12-a Acquired: 5/29/2013 15:13:45 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.01337	6.2567	1.5377	136.76	55.702	-.04690	117220.
Stddev	.24076	3.0845	.5786	.21	.319	.04072	957.
%RSD	1800.3	49.299	37.629	.15662	.57213	86.823	.81646

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3647	.04186	.68585	-1.3472	21.643	4563.5	-3.4924
Stddev	.0226	.12025	.11699	.3711	1.173	39.9	.3286
%RSD	6.193	287.27	17.058	27.549	5.4177	.87425	9.4090

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19565.	6.7440	50.891	75035.	2.7683	-.40924	-1.775
Stddev	3.	.0094	.088	78.	.4060	.53347	.919
%RSD	.01684	.13982	.17255	.10453	14.667	130.36	51.76

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24748-n-12-a Acquired: 5/29/2013 15:13:45 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.42946	.11381	.36142	.96596	-.17573	1.1528	4918.7
Stddev	2.1017	.30292	.17203	.35382	.67548	.0211	12.5
%RSD	489.38	266.16	47.598	36.629	384.38	1.8346	.25384

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	511.68
Stddev	.93
%RSD	.18088

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6595.7	5404.4	63051.	10979.
Stddev	33.1	27.0	414.	26.
%RSD	.50228	.49923	.65707	.23991

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.762%	95.866%	95.757%	101.60%
Range				

Sample Name: 240-24748-n-13-a Acquired: 5/29/2013 15:17:43 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.21042	-11.797	10.867	108.21	73.599	-.09818	103110.
Stddev	.30726	11.120	1.423	.66	.095	.04057	1478.
%RSD	146.02	94.255	13.091	.61025	.12875	41.318	1.4331

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2780	-.31427	.73158	-2.1930	1267.9	3626.8	-2.0628
Stddev	.0402	.13817	.47746	.2028	.9	37.0	.5867
%RSD	14.45	43.964	65.264	9.2455	.07013	1.0207	28.443

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20000.	236.76	.64102	159140.	1.5804	-1.1772	-2.349
Stddev	42.	.96	.07197	2834.	.1969	.9170	1.992
%RSD	.21126	.40614	11.227	1.7806	12.455	77.896	84.80

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24748-n-13-a Acquired: 5/29/2013 15:17:43 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.0495	-.17022	.04922	1.2193	.99895	.38865	8828.4
Stddev	1.9890	.20956	.09359	1.2044	1.4907	.11924	30.2
%RSD	189.52	123.11	190.16	98.773	149.23	30.682	.34262

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	305.19
Stddev	3.79
%RSD	1.2434

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6485.8	5384.8	62906.	11055.
Stddev	15.1	14.8	465.	41.
%RSD	.23255	.27533	.73907	.37415

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.216%	95.517%	95.537%	102.30%
Range				

Sample Name: 240-24759-a-1-a Acquired: 5/29/2013 15:21:51 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.10018	-2.2129	2.6716	874.70	12.554	-.12830
Stddev	.34636	5.7987	1.4931	3.89	.200	.03508
%RSD	345.73	262.04	55.887	.44417	1.5893	27.342

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	189890.	.4545	1.5074	1.5272	-2.2120	13.058
Stddev	1249.	.0690	.0941	.2610	.6441	.190
%RSD	.65758	15.18	6.2423	17.087	29.118	1.4528

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	22123.	74.041	183320.	3.1264	.13392	F 636900.
Stddev	50.	.527	969.	.3582	.27499	874.
%RSD	.22453	.71163	.52841	11.458	205.34	.13716

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500000.
Low Limit						-500000.

Sample Name: 240-24759-a-1-a Acquired: 5/29/2013 15:21:51 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13.832	-1.0778	-3.612	-.45147	-.04098	-.49288
Stddev	.419	1.2803	1.485	1.3542	.28970	.08764
%RSD	3.0295	118.78	41.10	299.95	706.93	17.781

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.3783	-1.2706	2.1821	10508.	1141.9
Stddev	.6153	1.6749	.0331	42.	4.2
%RSD	44.640	131.82	1.5178	.40255	.36905

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5880.5	5053.6	59340.	10508.
Stddev	53.8	42.4	501.	54.
%RSD	.91550	.83918	.84448	.50922

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	82.703%	89.642%	90.121%	97.239%
Range				

Sample Name: mb 240-87074/1-a Acquired: 5/29/2013 15:25:59 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.32707	-13.114	.70686	2.8427	.58751	-.04464	209.74
Stddev	.04409	19.280	.20967	.1539	.05026	.02311	12.14
%RSD	13.479	147.02	29.662	5.4126	8.5549	51.784	5.7890

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0120	-.22513	-.28548	-.95915	5.6467	124.24	1.9802
Stddev	.0882	.14945	.03725	.80364	1.0465	16.81	1.3338
%RSD	733.4	66.383	13.049	83.787	18.533	13.534	67.357

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	60.351	1.6138	-.22129	241.52	-.41945	-.04237	-.7635
Stddev	6.999	.0339	.23549	42.59	.14733	.83003	.4619
%RSD	11.598	2.1016	106.42	17.634	35.125	1959.2	60.49

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: mb 240-87074/1-a Acquired: 5/29/2013 15:25:59 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.21994	-.30778	-.45412	.81036	-.76598	F 21.638	17.893
Stddev	.20322	.32777	.14293	.60444	.15344	.071	4.180
%RSD	92.399	106.50	31.473	74.589	20.032	.32960	23.364

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						20.000	
Low Limit						-1000.0	

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	.36267
Stddev	3.9737
%RSD	1095.7

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7142.6	5701.6	67558.	11009.
Stddev	52.4	36.1	699.	65.
%RSD	.73431	.63346	1.0342	.58914

Sample Name: lcs 240-87074/2-a Acquired: 5/29/2013 15:29:53 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49.724	1869.4	1907.8	990.76	1963.9	47.019	48748.	50.46
Stddev	.403	16.6	3.2	.68	2.7	.124	20.	.14
%RSD	.81145	.88665	.16675	.06832	.13580	.26301	.04042	.2792

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	466.33	187.99	238.31	932.54	47418.	908.15	46135.	476.23
Stddev	.58	.26	.24	4.67	63.	3.89	38.	.29
%RSD	.12338	.14094	.09924	.50097	.13277	.42880	.08210	.06122

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	917.74	47782.	467.36	459.36	484.1	1990.9	1915.5	962.48
Stddev	1.09	151.	.60	.56	1.8	2.4	2.3	.18
%RSD	.11844	.31629	.12937	.12222	.3781	.12144	.12187	.01868

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: lcs 240-87074/2-a Acquired: 5/29/2013 15:29:53 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	TI1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1862.4	474.02	482.86	1028.7	888.86
Stddev	2.9	1.56	.83	13.2	6.85
%RSD	.15750	.32864	.17181	1.2804	.77014

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6582.9	5464.1	63750.	11119.
Stddev	1.5	2.0	124.	29.
%RSD	.02332	.03704	.19395	.26506

Sample Name: 240-24723-f-1-a Acquired: 5/29/2013 15:33:31 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.61390	-13.164	3.0664	54.047	117.55	-.08568	117130.
Stddev	.03122	8.054	1.3077	.165	.47	.04769	966.
%RSD	5.0856	61.185	42.645	.30475	.40305	55.659	.82500

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3482	-.21048	.37521	-2.1935	1505.7	3245.5	6.4464
Stddev	.0734	.04831	.21674	.1811	2.4	48.1	.3432
%RSD	21.07	22.952	57.764	8.2555	.16168	1.4826	5.3231

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	35346.	9.2814	7.1747	14437.	.81670	-1.0547	-1.509
Stddev	238.	.0390	.2048	59.	.27640	1.0489	.858
%RSD	.67364	.42026	2.8539	.41119	33.844	99.450	56.85

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24723-f-1-a Acquired: 5/29/2013 15:33:31 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.23784	1.1425	-1.4312	1.2468	.37137	1.3400	6708.7
Stddev	1.4537	.5846	.1884	.4624	1.1242	.0988	24.5
%RSD	611.22	51.167	13.165	37.085	302.70	7.3704	.36578

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	22512.
Stddev	131.
%RSD	.58163

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6662.0	5430.0	63241.	10781.
Stddev	20.4	22.8	114.	35.
%RSD	.30551	.41994	.18087	.32042

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	93.695%	96.319%	96.045%	99.766%
Range				

Sample Name: SD 240-24723-f-1-a@5 Acquired: 5/29/2013 15:37:31 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.13905	-21.858	1.5063	11.754	24.311	-.01708	24470.	.1568
Stddev	.12350	3.153	.1743	.184	.068	.05685	27.	.0730
%RSD	88.818	14.425	11.569	1.5682	.27929	332.80	.10859	46.55

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.25054	-.00773	-1.4918	311.12	673.67	1.1080	7390.7	1.8554
Stddev	.15959	.11054	.6500	.36	20.28	.8367	26.4	.0163
%RSD	63.699	1429.5	43.572	.11466	3.0099	75.518	.35716	.88092

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.0872	2937.5	.15473	-.43758	-3.150	-.46754	.31057	-.73089
Stddev	.1163	16.1	.31605	1.4477	1.575	.99926	.38371	.06896
%RSD	10.692	.54658	204.25	330.85	49.98	213.73	123.55	9.4352

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: SD 240-24723-f-1-a@5 Acquired: 5/29/2013 15:37:31 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.48258	.94056	.24911	1372.6	4668.7
Stddev	.58883	1.2318	.12465	9.4	11.6
%RSD	122.02	130.96	50.040	.68576	.24944

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6910.2	5515.2	64413.	11037.
Stddev	49.9	37.6	169.	99.
%RSD	.72229	.68091	.26211	.89276

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.185%	97.831%	97.826%	102.14%
Range				

Sample Name: 240-24723-f-1-b.ms Acquired: 5/29/2013 15:41:23 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	53.873	1978.3	2039.8	1110.8	2195.2	49.555	161170.
Stddev	.459	4.7	7.2	1.3	6.2	.266	2834.
%RSD	.85110	.23854	.35056	.11906	.28218	.53724	1.7584

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	53.62	492.74	195.77	252.34	2375.5	53527.	973.83
Stddev	.21	1.18	.55	1.91	9.1	185.	2.64
%RSD	.3871	.23943	.27917	.75728	.38348	.34634	.27105

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	80926.	508.57	981.26	64245.	492.65	479.20	521.7
Stddev	386.	.60	3.11	263.	.69	3.23	2.0
%RSD	.47727	.11785	.31671	.40970	.13914	.67355	.3776

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24723-f-1-b.ms Acquired: 5/29/2013 15:41:23 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2106.4	2040.5	1015.5	1958.0	497.48	490.33	7449.4
Stddev	4.4	3.0	.9	3.9	4.16	.92	43.5
%RSD	.20828	.14722	.08821	.19692	.83624	.18835	.58387

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	21853.
Stddev	102.
%RSD	.46634

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6279.3	5285.0	61921.	10929.
Stddev	12.6	5.5	192.	122.
%RSD	.20136	.10392	.30946	1.1181

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	88.312%	93.748%	94.041%	101.14%
Range				

Sample Name: 240-24723-f-1-c msd Acquired: 5/29/2013 15:45:09 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	54.611	2061.7	2101.5	1134.1	2245.5	50.949	163410.
Stddev	.376	7.4	3.0	2.5	8.3	.168	348.
%RSD	.68839	.35896	.14195	.22132	.36848	.32965	.21279

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	54.86	507.61	202.78	258.67	2447.4	54680.	1001.2
Stddev	.21	.04	.34	.58	6.9	228.	5.1
%RSD	.3771	.00862	.16989	.22555	.28064	.41732	.50902

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	84088.	525.54	1011.8	65603.	508.86	493.15	534.1
Stddev	312.	.99	1.2	210.	.78	2.86	3.1
%RSD	.37080	.18928	.12033	.32031	.15326	.57908	.5734

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24723-f-1-c msd Acquired: 5/29/2013 15:45:09 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2153.5	2102.9	1046.5	2008.9	516.24	508.56	7639.6
Stddev	4.1	6.5	1.3	4.3	3.03	1.93	21.7
%RSD	.18861	.31042	.12430	.21209	.58637	.37916	.28440

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	22552.
Stddev	58.
%RSD	.25615

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6225.2	5245.2	61258.	10446.
Stddev	38.3	28.2	178.	141.
%RSD	.61561	.53834	.29021	1.3518

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	87.550%	93.042%	93.034%	96.666%
Range				

Sample Name: 240-24721-d-1-a Acquired: 5/29/2013 15:48:56 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.01868	80.885	6.3511	1667.4	153.76	-.10201	152660.
Stddev	.30068	17.780	.9781	7.9	.82	.01302	1672.
%RSD	1610.0	21.981	15.401	.47548	.53387	12.766	1.0949

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4450	4.8193	7.7525	21.320	5128.6	80624.	52.391
Stddev	.0964	.0447	.3540	.178	15.9	115.	.530
%RSD	21.66	.92676	4.5657	.83548	.30990	.14306	1.0114

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	84370.	661.79	1.7021	454350.	26.662	1.5864	.2039
Stddev	250.	1.35	.0787	1256.	.221	1.0515	1.876
%RSD	.29646	.20412	4.6260	.27650	.82986	66.284	920.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24721-d-1-a Acquired: 5/29/2013 15:48:56 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.2214	2.4025	1.3553	2.8340	.55922	27.693	12609.
Stddev	1.8545	.4241	.1299	.5759	1.3143	.281	16.
%RSD	151.83	17.654	9.5843	20.320	235.02	1.0130	.12647

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1464.9
Stddev	6.8
%RSD	.46468

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5981.6	5117.9	60070.	10985.
Stddev	36.1	24.6	265.	47.
%RSD	.60294	.48014	.44118	.43009

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	84.125%	90.783%	91.230%	101.66%
Range				

Sample Name: CCV Acquired: 5/29/2013 15:53:03 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1018.0	24511.	495.73	5003.2	2006.4	1955.8	50674.	498.5
Stddev	3.0	78.	1.56	8.3	6.9	10.8	228.	1.5
%RSD	.29166	.31798	.31476	.16623	.34467	.55295	.45054	.3049

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1928.8	1932.7	1945.2	24026.	49181.	4816.7	48220.	1928.5
Stddev	7.7	8.3	5.5	178.	285.	30.5	350.	4.0
%RSD	.39959	.43152	.28063	.73964	.57979	.63324	.72669	.20632

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1903.2	49556.	1922.9	476.30	494.7	505.45	5054.0	4955.3
Stddev	6.3	310.	8.2	3.23	.8	2.35	21.2	43.3
%RSD	.33090	.62601	.42704	.67916	.1711	.46510	.41900	.87283

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: CCV Acquired: 5/29/2013 15:53:03 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	974.24	1929.7	1959.6	5499.8	4724.0
Stddev	3.19	10.8	10.5	95.6	34.7
%RSD	.32782	.55888	.53339	1.7379	.73461

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6244.5	5259.3	61336.	10574.
Stddev	46.3	39.0	270.	147.
%RSD	.74085	.74074	.43976	1.3879

Sample Name: CCB Acquired: 5/29/2013 15:56:49 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.45172	8.8516	1.2938	16.033	.76095	.62550	11.157	.6771
Stddev	.25076	3.3223	1.8963	9.258	.62484	.65249	17.239	.8098
%RSD	55.514	37.533	146.57	57.740	82.113	104.32	154.50	119.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.6696	-.13224	-.71500	7.6885	176.01	4.7332	27.599	-.00309
Stddev	3.1704	.01616	.16351	8.6533	49.50	2.6884	24.414	.04537
%RSD	189.89	12.223	22.869	112.55	28.123	56.798	88.461	1470.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.7529	76.366	1.6618	-.56256	-.5949	.73881	6.1009	1.4177
Stddev	3.0111	33.897	3.0345	.30374	1.155	3.0358	8.1579	.1948
%RSD	80.235	44.387	182.60	53.993	194.2	410.90	133.72	13.737

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB Acquired: 5/29/2013 15:56:49 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.79758	2.7321	1.4594	19.314	2.1149
Stddev	1.7298	1.8556	3.0556	4.493	3.4038
%RSD	216.89	67.919	209.37	23.265	160.94

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6986.8	5532.6	64906.	10503.
Stddev	53.0	35.7	239.	72.
%RSD	.75813	.64555	.36850	.68096

Sample Name: 240-24721-d-2-a Acquired: 5/29/2013 16:00:45 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.14804	136.30	4.9696	9490.9	221.36	-.21762	341840.
Stddev	.46857	3.58	2.3967	23.2	1.34	.03040	1796.
%RSD	316.52	2.6277	48.227	.24480	.60533	13.968	.52537

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5167	1.8825	6.7714	9.6332	7207.9	58041.	38.420
Stddev	.0347	.0619	.3692	.7698	46.3	297.	1.262
%RSD	6.713	3.2866	5.4521	7.9911	.64231	.51205	3.2841

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	149050.	1206.3	2.7787	322430.	18.372	1.9292	-4.857
Stddev	320.	5.1	.0703	3697.	.316	.7799	.728
%RSD	.21443	.42331	2.5292	1.1466	1.7221	40.428	14.99

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24721-d-2-a Acquired: 5/29/2013 16:00:45 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.37053	.84951	1.7173	2.0232	-1.4658	25.360	14268.
Stddev	2.5697	.29612	.0830	.8012	.5174	.084	19.
%RSD	693.52	34.857	4.8337	39.602	35.302	.33180	.13606

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	3045.1
Stddev	16.5
%RSD	.54029

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5919.0	5055.4	60428.	10741.
Stddev	32.1	21.3	303.	140.
%RSD	.54208	.42110	.50084	1.3013

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	83.245%	89.674%	91.773%	99.401%
Range				

Sample Name: 240-24723-f-2-a Acquired: 5/29/2013 16:04:50 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.29323	-6.0331	17.083	138.83	70.429	-.06857	94827.	.7672
Stddev	.10345	21.595	.747	1.22	.321	.02436	1098.	.0562
%RSD	35.280	357.94	4.3747	.87714	.45516	35.534	1.1577	7.323

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.00954	.28353	-1.3976	5181.3	2123.2	15.674	39193.	17.056
Stddev	.17670	.33578	1.3458	23.3	34.4	1.597	201.	.164
%RSD	1851.3	118.43	96.294	.44929	1.6196	10.189	.51183	.95998

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.3559	10645.	.89027	-.60199	-3.331	.34698	.08771	-2.1433
Stddev	.1673	24.	.49021	.57872	2.015	2.0379	.32629	.1595
%RSD	2.6316	.22928	55.063	96.135	60.51	587.34	372.00	7.4431

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24723-f-2-a Acquired: 5/29/2013 16:04:50 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.0559	-.39640	4.2115	8360.2	34935.
Stddev	.6254	.28983	.1127	15.1	197.
%RSD	30.420	73.117	2.6759	.18018	.56473

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6612.0	5393.0	63355.	11029.
Stddev	42.6	34.4	88.	79.
%RSD	.64412	.63786	.13944	.71634

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.991%	95.662%	96.219%	102.07%
Range				

Sample Name: 240-24723-f-3-a Acquired: 5/29/2013 16:08:49 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.02498	5.5886	12.674	127.39	68.205	.18165	91431.	.5492
Stddev	.25869	8.4236	1.341	.62	.497	.51762	2487.	.0151
%RSD	1035.7	150.73	10.578	.49015	.72827	284.96	2.7200	2.747

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.16358	.39970	-1.6088	4010.0	2099.2	16.149	38825.	13.255
Stddev	.16207	.14639	.6720	9.6	103.9	3.023	106.	.080
%RSD	99.078	36.625	41.771	.23954	4.9513	18.717	.27306	.59977

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.0502	10935.	.53418	-1.1089	-2.087	.71824	-.24290	-2.2551
Stddev	.1044	571.	.26128	.6189	.243	.61717	.11101	.0755
%RSD	1.7259	5.2250	48.912	55.818	11.65	85.929	45.703	3.3458

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24723-f-3-a Acquired: 5/29/2013 16:08:49 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.4826	.33446	4.5041	8123.2	34369.
Stddev	.5416	1.8788	.0813	50.9	273.
%RSD	21.815	561.74	1.8038	.62698	.79309

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6717.4	5457.5	63869.	10802.
Stddev	32.5	31.6	101.	76.
%RSD	.48338	.57918	.15757	.70741

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.474%	96.808%	96.999%	99.960%
Range				

Sample Name: 240-24723-f-4-a Acquired: 5/29/2013 16:12:49 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.29332	-5.7788	2.7345	143.82	186.09	-.09618	65749.
Stddev	.09978	3.9038	.8015	.55	.20	.01744	140.
%RSD	34.018	67.554	29.312	.38129	.10801	18.128	.21272

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3276	-.08897	.63351	-1.4153	723.93	1967.5	17.016
Stddev	.0419	.14962	.25988	.5660	1.69	39.9	.649
%RSD	12.81	168.16	41.023	39.992	.23308	2.0262	3.8161

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	31534.	2.9075	5.1366	10858.	.27967	-.55565	-1.583
Stddev	132.	.0769	.0569	27.	.27573	1.6602	1.484
%RSD	.41932	2.6454	1.1072	.24970	98.590	298.79	93.76

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24723-f-4-a Acquired: 5/29/2013 16:12:49 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.0126	-.29565	-3.0330	1.7538	-.27780	7.6277	7311.5
Stddev	1.7826	.42631	.1574	.5959	.78537	.1190	9.7
%RSD	88.572	144.19	5.1898	33.974	282.71	1.5599	.13311

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	F 57278.
Stddev	145.
%RSD	.25233

Check ?	Chk Fail
High Limit	50000.
Low Limit	-500000.

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6693.0	5448.7	64435.	10900.
Stddev	14.8	8.9	563.	124.
%RSD	.22098	.16366	.87395	1.1361

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.130%	96.651%	97.858%	100.87%
Range				

Sample Name: 240-24727-i-1-a Acquired: 5/29/2013 16:16:40 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.30783	116.09	1.4545	126.53	24.030	-.16206	143530.
Stddev	.30242	9.69	1.0665	.63	.111	.00419	1241.
%RSD	98.240	8.3452	73.321	.50129	.46305	2.5873	.86487

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3016	.34334	.83269	-1.2358	275.68	5547.8	6.4631
Stddev	.1002	.14491	.35260	.8453	.51	30.8	.6149
%RSD	33.23	42.208	42.345	68.401	.18623	.55455	9.5136

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49370.	700.16	1.7847	13138.	4.4731	-.09476	-3.337
Stddev	8.	.71	.0618	38.	.3179	.88014	1.317
%RSD	.01615	.10070	3.4646	.28656	7.1060	928.80	39.47

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24727-i-1-a Acquired: 5/29/2013 16:16:40 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.1650	-.10997	.70807	1.5782	-.01528	63.381	1504.1
Stddev	3.0865	.39571	.19394	.5694	.64434	.128	7.2
%RSD	264.93	359.84	27.390	36.077	4215.9	.20216	.47691

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	486.01
Stddev	4.08
%RSD	.83937

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6656.5	5386.1	63868.	11065.
Stddev	22.2	16.1	228.	37.
%RSD	.33350	.29875	.35710	.33335

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	93.617%	95.541%	96.997%	102.40%
Range				

Sample Name: 240-24727-i-2-a Acquired: 5/29/2013 16:20:38 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.33358	19.077	.26006	129.80	45.460	-.12615	178950.
Stddev	.39787	23.455	2.0271	.39	.190	.01814	1574.
%RSD	119.27	122.95	779.50	.30291	.41743	14.377	.87941

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4504	9.8798	1.7923	-.53215	696.15	13893.	2.9570
Stddev	.1082	.4406	.1697	.67105	1.74	30.	1.1340
%RSD	24.01	4.4601	9.4681	126.10	.25063	.21869	38.351

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	56242.	6454.8	.94577	37055.	9.4983	1.1008	-2.242
Stddev	186.	62.6	.13637	90.	.3301	.9063	.265
%RSD	.33134	.97029	14.419	.24166	3.4753	82.329	11.81

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24727-i-2-a Acquired: 5/29/2013 16:20:38 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.4105	.07248	-.40220	3.6979	.32808	68.087	2814.5
Stddev	.7447	.53101	.03310	.7561	.84524	.173	13.4
%RSD	21.835	732.61	8.2304	20.446	257.63	.25422	.47515

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	847.63
Stddev	.61
%RSD	.07201

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6459.5	5309.2	62083.	10750.
Stddev	15.3	17.1	391.	59.
%RSD	.23684	.32209	.62928	.55170

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.846%	94.176%	94.286%	99.485%
Range				

Sample Name: 240-24729-j-1-a Acquired: 5/29/2013 16:24:45 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.16675	7.0586	1.9578	84.882	33.402	-.12669	142740.
Stddev	.17857	15.554	1.2277	.365	.159	.02802	365.
%RSD	107.09	220.35	62.709	.42968	.47690	22.120	.25587

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3233	-.27793	.64844	-2.8107	1190.2	2230.9	10.661
Stddev	.1181	.15319	.13413	.3714	3.2	25.9	1.026
%RSD	36.54	55.118	20.686	13.215	.26950	1.1621	9.6261

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	28871.	221.01	-.25973	28855.	.50736	.17288	-2.044
Stddev	29.	9.79	.14573	80.	.11430	.47134	.998
%RSD	.10205	4.4315	56.107	.27738	22.527	272.64	48.81

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24729-j-1-a Acquired: 5/29/2013 16:24:45 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.13691	.12941	-.58657	1.9797	-.70457	30.178	5919.4
Stddev	1.5017	.50909	.10243	.3929	1.8664	.081	10.9
%RSD	1096.8	393.40	17.463	19.848	264.90	.26764	.18424

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	283.15
Stddev	2.13
%RSD	.75346

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6553.3	5356.4	62076.	10840.
Stddev	35.4	26.6	535.	11.
%RSD	.54085	.49587	.86224	.10605

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.166%	95.014%	94.277%	100.31%
Range				

Sample Name: 240-24733-j-1-a Acquired: 5/29/2013 16:28:43 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.16131	2.4977	4.5942	123.76	91.414	-.07149	106750.
Stddev	.49522	14.057	.7872	.52	.446	.03439	962.
%RSD	306.99	562.79	17.134	.42351	.48747	48.101	.90118

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1782	-.21598	.22515	-2.8991	1107.9	4198.1	20.902
Stddev	.0722	.18817	.31715	.4694	.6	50.5	1.359
%RSD	40.50	87.126	140.86	16.191	.05468	1.2022	6.5011

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23960.	126.68	-.15218	75628.	.66424	-.52332	-4.117
Stddev	53.	.67	.15423	358.	.17318	.93142	1.082
%RSD	.22258	.52542	101.35	.47347	26.072	177.98	26.27

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24733-j-1-a Acquired: 5/29/2013 16:28:43 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .90730	- .21970	- .50618	1.5726	- .31837	4.4522	5829.9
Stddev	.68813	.22161	.17924	.1976	1.6157	.0457	16.4
%RSD	75.844	100.87	35.411	12.568	507.48	1.0261	.28140

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	363.54
Stddev	2.88
%RSD	.79231

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6555.1	5375.6	62603.	10858.
Stddev	42.7	28.0	770.	49.
%RSD	.65187	.52075	1.2303	.45087

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.190%	95.355%	95.077%	100.48%
Range				

Sample Name: 240-24734-j-1-a Acquired: 5/29/2013 16:32:42 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.11360	-.23553	1.1698	356.30	124.27	-.04595	36844.
Stddev	.23450	4.3954	.9087	.58	.25	.05213	63.
%RSD	206.43	1866.2	77.684	.16190	.20113	113.45	.17086

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0698	-.22867	.84073	-.98762	107.97	4472.1	17.357
Stddev	.0850	.36600	.22787	.54710	.53	35.5	.989
%RSD	121.7	160.06	27.104	55.395	.49259	.79341	5.6961

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9899.8	22.423	-.40491	164190.	.70665	-.30629	-2.197
Stddev	32.8	.142	.08590	514.	.25168	.67298	1.635
%RSD	.33148	.63421	21.214	.31319	35.616	219.72	74.44

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24734-j-1-a Acquired: 5/29/2013 16:32:42 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.96108	.23295	-.47065	1.6190	-.19252	2.7879	3713.0
Stddev	2.0641	.46803	.07962	.6330	1.3339	.0856	14.7
%RSD	214.77	200.92	16.916	39.095	692.84	3.0709	.39637

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	472.11
Stddev	.79
%RSD	.16699

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6590.8	5418.8	63548.	10760.
Stddev	13.6	3.0	59.	128.
%RSD	.20699	.05468	.09358	1.1921

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.693%	96.120%	96.512%	99.576%
Range				

Sample Name: 240-24735-j-1-a Acquired: 5/29/2013 16:36:43 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.15353	-2.9408	.66359	355.33	47.777	-.02534	31031.
Stddev	.19894	16.458	.63882	.41	.481	.02510	135.
%RSD	129.58	559.65	96.266	.11477	1.0064	99.052	.43611

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0065	-.23154	.13456	1.7488	262.96	5043.4	23.226
Stddev	.0459	.08517	.28129	.4635	1.89	32.5	.983
%RSD	710.1	36.784	209.05	26.504	.71843	.64492	4.2312

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9481.8	12.444	-.36347	189330.	-.16676	.22111	-1.834
Stddev	35.0	.071	.11857	777.	.28186	1.0118	1.436
%RSD	.36950	.57030	32.621	.41033	169.02	457.62	78.31

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24735-j-1-a Acquired: 5/29/2013 16:36:43 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Tl1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.6631	.10279	-.40143	1.1901	.24928	2.3455	3624.7
Stddev	.3424	.58628	.08250	.6345	1.5910	.0253	22.2
%RSD	20.591	570.36	20.552	53.319	638.21	1.0795	.61281

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	417.14
Stddev	5.00
%RSD	1.1991

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6477.4	5354.1	62152.	10574.
Stddev	23.6	20.2	504.	52.
%RSD	.36385	.37693	.81084	.49360

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.098%	94.973%	94.392%	97.854%
Range				

Sample Name: CCV Acquired: 5/29/2013 16:40:45 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1027.2	24681.	499.49	5057.7	2025.0	1960.7	50842.	503.0
Stddev	.7	54.	1.48	19.7	6.8	3.2	90.	1.4
%RSD	.06464	.21720	.29586	.38987	.33453	.16082	.17798	.2878

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1944.0	1942.7	1964.5	24028.	49431.	4835.8	48143.	1943.6
Stddev	4.8	4.6	5.0	35.	176.	8.1	118.	1.0
%RSD	.24562	.23661	.25540	.14435	.35664	.16692	.24428	.05267

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1920.3	49986.	1938.6	480.67	502.2	505.98	5082.2	5024.1
Stddev	8.6	279.	5.4	.93	2.8	1.96	6.6	8.9
%RSD	.44587	.55792	.28095	.19406	.5517	.38776	.13058	.17800

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: CCV Acquired: 5/29/2013 16:40:45 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	976.23	1945.2	1970.7	5451.7	4744.2
Stddev	3.96	3.0	2.7	123.0	2.4
%RSD	.40549	.15608	.13486	2.2567	.05127

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6236.9	5249.3	61247.	10590.
Stddev	15.1	12.4	177.	83.
%RSD	.24197	.23604	.28875	.78075

Sample Name: CCB Acquired: 5/29/2013 16:44:32 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.01101	26.019	.50762	9.5382	2.3506	F 2.4792	52.727
Stddev	.11548	51.212	.58579	.8185	4.2403	4.2613	106.19
%RSD	1048.8	196.83	115.40	8.5812	180.39	171.88	201.39

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						1.0000	
Low Limit						-1.0000	

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0832	-.19419	-.10935	-.94227	29.444	173.11	8.9001
Stddev	.0956	.17386	.24812	.80590	52.021	93.46	9.7738
%RSD	114.9	89.529	226.91	85.528	176.68	53.986	109.82

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	72.527	.01980	1.5876	84.673	.00149	.06407	-.1681
Stddev	99.379	.14998	.1393	112.20	.12783	.81666	.6504
%RSD	137.02	757.41	8.7754	132.51	8583.1	1274.6	386.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: CCB Acquired: 5/29/2013 16:44:32 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.59524	.87937	1.3994	.32947	2.3502	-.69083	24.039
Stddev	1.0526	.33794	.2699	.35125	4.6680	.06000	15.764
%RSD	176.84	38.430	19.285	106.61	198.62	8.6848	65.579

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	5.1233
Stddev	10.247
%RSD	200.01

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6973.1	5517.4	65033.	10829.
Stddev	29.3	16.4	66.	71.
%RSD	.41988	.29651	.10131	.65242

Sample Name: 240-24737-j-1-a Acquired: 5/29/2013 16:48:28 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.12875	-5.5563	1.4524	79.140	52.462	-.04103	127520.
Stddev	.25081	10.723	1.9469	.446	.586	.01879	2249.
%RSD	194.81	192.98	134.05	.56398	1.1174	45.786	1.7634

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3626	-.07772	.37586	-1.7488	3107.6	3008.2	14.771
Stddev	.0141	.34924	.24167	.5145	13.7	53.1	1.400
%RSD	3.901	449.34	64.297	29.419	.43959	1.7661	9.4807

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	28508.	335.01	.06603	32376.	.46227	-.47970	-3.262
Stddev	85.	1.98	.13871	131.	.04135	.28272	.656
%RSD	.29672	.58954	210.07	.40409	8.9452	58.937	20.12

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24737-j-1-a Acquired: 5/29/2013 16:48:28 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.5544	.20287	-.16273	1.9983	-.85212	6.2593	6295.7
Stddev	1.1963	.33154	.13620	.3991	.79976	.1216	32.0
%RSD	76.960	163.42	83.695	19.972	93.855	1.9428	.50831

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	369.35
Stddev	2.86
%RSD	.77342

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6554.0	5332.6	61875.	10789.
Stddev	32.0	29.1	196.	125.
%RSD	.48804	.54498	.31678	1.1594

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.175%	94.591%	93.971%	99.848%
Range				

Sample Name: 240-24738-j-1-a Acquired: 5/29/2013 16:52:27 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.15055	96.581	.44021	167.46	15.571	-.22412	352490.
Stddev	.26841	13.715	1.0971	.37	.106	.03603	4916.
%RSD	178.29	14.201	249.21	.21873	.67854	16.077	1.3946

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4893	.73884	.70150	-3.7826	214.13	9320.0	26.336
Stddev	.1309	.08762	.37976	.9114	1.31	17.0	1.897
%RSD	26.74	11.859	54.135	24.095	.61064	.18206	7.2028

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	165110.	217.24	-.12565	15299.	8.0861	-.00329	-3.785
Stddev	321.	.64	.21101	39.	.2504	.21216	1.135
%RSD	.19432	.29445	167.94	.25186	3.0966	6440.4	29.97

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24738-j-1-a Acquired: 5/29/2013 16:52:27 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.7102	.33545	.27016	2.0975	-.77252	4.1614	4901.1
Stddev	3.3241	.27494	.12310	.1657	.96076	.0731	26.6
%RSD	194.36	81.963	45.566	7.9001	124.37	1.7569	.54275

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	982.80
Stddev	3.62
%RSD	.36785

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6245.3	5136.5	60640.	10765.
Stddev	42.5	29.5	277.	77.
%RSD	.68044	.57509	.45665	.71461

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	87.834%	91.113%	92.096%	99.623%
Range				

Sample Name: 240-24740-d-1-a Acquired: 5/29/2013 16:56:27 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.45707	369.87	2.0359	372.11	24.755	.02803	124450.
Stddev	.19282	13.91	.4114	.17	.051	.00902	1181.
%RSD	42.185	3.7619	20.209	.04537	.20704	32.164	.94896

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3588	.49302	1.2798	11.389	4513.1	6567.6	37.656
Stddev	.0632	.12836	.2314	.443	42.4	55.0	.616
%RSD	17.61	26.035	18.082	3.8883	.94052	.83737	1.6370

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	75755.	331.09	-.14857	45610.	1.8745	-.18820	-2.887
Stddev	617.	1.20	.10274	349.	.5329	.94721	.731
%RSD	.81427	.36194	69.157	.76430	28.429	503.29	25.32

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24740-d-1-a Acquired: 5/29/2013 16:56:27 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.9550	-.01816	2.2438	1.8979	1.3081	8.4376	6266.1
Stddev	1.3639	.48851	.0987	.9148	.9896	.0566	39.3
%RSD	69.763	2690.2	4.3964	48.200	75.650	.67019	.62673

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1665.2
Stddev	10.1
%RSD	.60518

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6455.2	5310.7	62176.	11030.
Stddev	12.5	5.4	222.	97.
%RSD	.19419	.10149	.35701	.87914

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.786%	94.204%	94.429%	102.07%
Range				

Sample Name: 240-24740-d-2-a Acquired: 5/29/2013 17:00:27 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.08893	1693.8	2.7497	918.65	25.067	.04838	51586.
Stddev	.34468	17.5	.9322	3.36	.295	.02410	297.
%RSD	387.60	1.0335	33.902	.36606	1.1768	49.813	.57579

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0993	.79085	4.2177	7.8138	2463.7	5536.1	27.036
Stddev	.0942	.11369	.0949	.1333	19.8	31.2	.573
%RSD	94.92	14.376	2.2507	1.7062	.80266	.56278	2.1201

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16447.	101.16	-.09298	271580.	3.7151	.71706	-2.183
Stddev	114.	.61	.12365	1164.	.2787	.61002	1.011
%RSD	.69461	.60760	132.99	.42861	7.5004	85.073	46.32

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24740-d-2-a Acquired: 5/29/2013 17:00:27 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.1647	-.01827	16.897	.98395	4.1749	27.633	5929.9
Stddev	1.6766	.53785	1.140	.50915	.6072	.189	36.2
%RSD	143.94	2944.6	6.7456	51.745	14.544	.68281	.61059

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1933.0
Stddev	15.9
%RSD	.82036

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6327.5	5295.0	60730.	10705.
Stddev	12.5	17.6	627.	74.
%RSD	.19786	.33276	1.0328	.69494

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	88.990%	93.925%	92.232%	99.068%
Range				

Sample Name: 240-24740-d-3-a Acquired: 5/29/2013 17:04:25 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.98783	998.83	10.584	826.84	18.731	.02948
Stddev	.58286	9.72	.231	4.08	.092	.02546
%RSD	59.004	.97278	2.1865	.49367	.49376	86.356

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 524110.	.4481	40.361	6.4117	33.702	87313.
Stddev	3702.	.0643	.339	.1605	1.345	141.
%RSD	.70633	14.34	.83891	2.5035	3.9906	.16167

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500000.					
Low Limit	-500000.					

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10391.	101.40	235490.	F 17089.	-1.2101	27232.
Stddev	7.	1.09	257.	52.	.1312	7.
%RSD	.06593	1.0752	.10894	.30422	10.842	.02417

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				15000.		
Low Limit				-500000.		

Sample Name: 240-24740-d-3-a Acquired: 5/29/2013 17:04:25 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	40.600	1.0608	-6.313	2.6011	.68289	6.9611
Stddev	.414	.1581	1.255	2.1611	.52727	.1349
%RSD	1.0201	14.906	19.88	83.086	77.212	1.9385

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	9.4833	2.3595	4202.0	13831.	2295.8
Stddev	.8061	.9482	28.4	24.	7.2
%RSD	8.5003	40.184	.67673	.17251	.31324

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5878.6	4947.4	58844.	10631.
Stddev	36.5	24.3	303.	26.
%RSD	.62039	.49163	.51491	.24826

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	82.677%	87.759%	89.368%	98.380%
Range				

Sample Name: 240-24741-b-1-a Acquired: 5/29/2013 17:08:30 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.25526	252.51	12.408	664.53	26.914	-.00730	18291.
Stddev	.41875	16.51	1.313	.90	.221	.01320	49.
%RSD	164.05	6.5402	10.579	.13603	.82012	180.72	.26720

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2936	.18613	1.0825	1.2728	153.76	51527.	15.304
Stddev	.0809	.06537	.1760	.6169	11.07	145.	1.419
%RSD	27.56	35.119	16.262	48.466	7.1985	.28043	9.2733

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9716.3	17.860	436.06	315620.	7.4423	5.1475	.8286
Stddev	14.0	.046	.69	3004.	.2886	1.0507	1.026
%RSD	.14459	.25762	.15763	.95174	3.8783	20.411	123.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24741-b-1-a Acquired: 5/29/2013 17:08:30 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.0210	.38836	1.2014	1.0823	1.1109	11.587	8521.8
Stddev	.9455	.15508	.1124	.1944	.8462	.140	301.0
%RSD	46.786	39.931	9.3572	17.960	76.172	1.2071	3.5318

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	276.43
Stddev	2.56
%RSD	.92435

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6180.0	5207.2	60067.	10513.
Stddev	19.8	16.5	147.	83.
%RSD	.32015	.31738	.24497	.79040

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	86.916%	92.368%	91.225%	97.291%
Range				

Sample Name: 240-24742-d-3-a Acquired: 5/29/2013 17:12:28 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.59996	358.10	2.3637	79.099	61.728	-.04074	54928.	.2291
Stddev	.42815	16.50	.7906	.224	.196	.04321	226.	.0916
%RSD	71.364	4.6072	33.446	.28275	.31770	106.05	.41172	39.99

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.8883	5.3337	5.5098	2296.6	16380.	6.2605	9106.5	2839.0
Stddev	.1729	.1723	.6189	5.2	82.	.9127	49.7	13.6
%RSD	5.9857	3.2306	11.232	.22855	.49929	14.579	.54558	.48055

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	36.124	7504.9	7.6249	.61288	-1.071	1.6373	-.01493	6.3289
Stddev	.347	52.3	.1144	1.5046	2.941	1.0113	.09530	.0541
%RSD	.96069	.69753	1.4999	245.49	274.6	61.768	638.51	.85552

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24742-d-3-a Acquired: 5/29/2013 17:12:28 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.6355	1.4846	41.433	6065.7	258.93
Stddev	.5484	1.8016	.132	26.4	1.26
%RSD	20.807	121.36	.31868	.43563	.48673

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6783.3	5464.3	64591.	11252.
Stddev	28.0	25.4	282.	21.
%RSD	.41350	.46425	.43640	.18741

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.400%	96.928%	98.095%	104.13%
Range				

Sample Name: 240-24768-d-1-a Acquired: 5/29/2013 17:16:25 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.2000	84.587	F 14220.	F 66600.	375.31	-7.7842
Stddev	.2753	23.032	226.	873.	.36	.0282
%RSD	8.6029	27.229	1.5908	1.3103	.09543	.36191

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass
High Limit			5000.0	20000.		
Low Limit			-500000.	-500000.		

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	^ *****	12.63	7.9541	4.4607	k 230.56	260430.
Stddev	-----	.88	.6180	.5691	.53	1534.
%RSD	-----	6.984	7.7691	12.758	.23067	.58912

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 587180.	k 18263.	F 1644500.	7475.8	1.2742	F 1756300.
Stddev	1397.	21.	5726.	41.6	.4907	70778.
%RSD	.23793	.11375	.34819	.55628	38.509	4.0299

Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
High Limit	500000.		500000.			500000.
Low Limit	-500000.		-500000.			-500000.

Sample Name: 240-24768-d-1-a Acquired: 5/29/2013 17:16:25 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	32.957	k -28.646	7.295	247.24	56.628	-22.480
Stddev	1.009	2.611	3.304	12.18	2.712	.197
%RSD	3.0618	9.1145	45.29	4.9273	4.7894	.87501

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ti1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-112.53	-1.3065	F 10754.	1450.3	F 209820.
Stddev	5.30	1.3255	82.	13.1	486.
%RSD	4.7078	101.46	.76045	.90497	.23157

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail
High Limit			10000.		50000.
Low Limit			-500000.		-500000.

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	W 2685.2	W 2403.5	W 32092.	8072.8
Stddev	23.0	18.7	78.	22.7
%RSD	.85637	.77873	.24158	.28141

Check ?	Chk Warn	Chk Warn	Chk Warn	Chk Pass
Value	37.764%	42.633%	48.739%	74.707%
Range	-30.500%	-30.500%	-30.500%	

Sample Name: 240-24768-d-1-a@5 Acquired: 5/29/2013 17:20:54 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.82460	17.931	2173.6	12506.	70.016	-1.8921
Stddev	.19812	7.408	2.7	7.	.268	.0451
%RSD	24.026	41.316	.12247	.05724	.38253	2.3813

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	^ *****	2.453	1.1923	1.9469	k 57.857	59479.
Stddev	-----	.147	.3421	.6279	.927	414.
%RSD	-----	5.981	28.696	32.248	1.6020	.69642

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	113580.	k 2756.0	404990.	1703.3	-.31673	F 1413700.
Stddev	389.	14.0	5268.	9.1	.12922	72373.
%RSD	.34230	.50860	1.3007	.53253	40.799	5.1193

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500000.
Low Limit						-500000.

Sample Name: 240-24768-d-1-a@5 Acquired: 5/29/2013 17:20:54 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.288	k -5.7137	-10.20	29.113	7.2753	-6.7468
Stddev	.747	2.8978	3.29	2.164	.7886	.1121
%RSD	7.2646	50.716	32.27	7.4318	10.839	1.6619

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-7.7258	-2.2437	2613.2	290.53	49149.
Stddev	1.3283	2.3174	3.9	5.62	459.
%RSD	17.194	103.29	.14923	1.9353	.93406

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	W 4556.6	4040.6	48403.	9767.9
Stddev	11.4	10.1	487.	320.2
%RSD	.25082	.24909	1.0058	3.2778

Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass
Value	64.084%	71.674%	73.511%	90.394%
Range	-30.500%			

Sample Name: mb 240-87457/1-a Acquired: 5/29/2013 17:24:54 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-11586	-17.174	1.2292	53.781	.49833	-.04370	^ *****
Stddev	.13165	4.046	1.4735	4.213	.14882	.02772	-----
%RSD	113.63	23.558	119.88	7.8336	29.863	63.429	-----

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0506	-.06520	.13281	k -.61687	71.337	238.33	k 6.6641
Stddev	.1041	.15882	.37686	.16077	83.797	115.12	3.1455
%RSD	205.8	243.60	283.77	26.062	117.47	48.303	47.201

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	494.82	.34292	-.40622	^ *****	-.30271	k .04251	-3.650
Stddev	565.67	.00578	.06664	-----	.11017	.42509	.895
%RSD	114.32	1.6847	16.404	-----	36.396	999.99	24.52

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: mb 240-87457/1-a Acquired: 5/29/2013 17:24:54 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.34988	.02673	-.63648	1.3535	.25990	F 44.938	14.336
Stddev	.89745	.22934	.03908	.3207	.98650	.868	2.886
%RSD	256.50	857.87	6.1393	23.693	379.57	1.9325	20.133

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						20.000	
Low Limit						-1000.0	

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	F 55.781
Stddev	71.108
%RSD	127.48

Check ?	Chk Fail
High Limit	50.000
Low Limit	-1000.0

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6912.8	5497.1	66025.	11411.
Stddev	72.8	48.5	343.	202.
%RSD	1.0529	.88244	.52014	1.7694

Sample Name: CCV Acquired: 5/29/2013 17:28:50 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1045.8	24907.	509.83	5200.0	2049.2	1968.3	51191.	516.1
Stddev	4.6	149.	3.55	21.9	8.9	10.9	305.	2.4
%RSD	.44196	.59940	.69552	.42176	.43537	.55186	.59576	.4666

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1983.3	1977.5	2018.9	24024.	49531.	4843.2	47938.	1956.6
Stddev	9.4	5.6	8.5	129.	351.	24.7	286.	11.3
%RSD	.47595	.28080	.42131	.53788	.70803	.50975	.59620	.57522

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1971.9	48093.	1972.3	488.18	516.7	520.08	5204.1	5096.5
Stddev	7.5	540.	8.3	3.61	4.5	4.20	29.3	75.2
%RSD	.38233	1.1220	.41936	.73895	.8613	.80785	.56357	1.4746

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: CCV Acquired: 5/29/2013 17:28:50 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1000.6	1963.8	1993.0	5491.7	4742.8
Stddev	3.7	15.5	10.8	137.7	22.8
%RSD	.37162	.79091	.53950	2.5075	.48014

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6196.3	5222.7	61506.	10696.
Stddev	40.3	34.3	170.	98.
%RSD	.64981	.65668	.27715	.91518

Sample Name: CCB Acquired: 5/29/2013 17:32:36 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.23316	-.16251	.77991	36.103	.06149	.04883	4.5656	.1723
Stddev	.62089	18.720	.67759	3.511	.12068	.03202	2.0724	.1494
%RSD	266.29	11519.	86.880	9.7259	196.26	65.560	45.391	86.70

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.07832	-.02111	-1.1275	.88606	297.13	4.1949	10.067	.04325
Stddev	.38772	.11369	.4169	1.5188	39.77	.4613	17.796	.10736
%RSD	495.03	538.44	36.972	171.42	13.384	10.997	176.78	248.23

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.1446	834.81	.06151	-.12493	-1.480	.71732	1.7247	1.4771
Stddev	.3122	53.32	.61354	.59834	2.075	.63954	.6222	.4468
%RSD	14.558	6.3874	997.49	478.93	140.2	89.157	36.075	30.251

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB Acquired: 5/29/2013 17:32:36 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.0848	.06717	-.49946	15.963	1.1698
Stddev	.4093	1.1624	.40254	5.803	1.4313
%RSD	37.726	1730.5	80.594	36.355	122.35

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6847.7	5448.4	64607.	10946.
Stddev	47.4	29.3	257.	84.
%RSD	.69223	.53741	.39813	.76462

Sample Name: lcs 240-87457/2-a Acquired: 5/29/2013 17:36:32 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50.566	1883.0	1921.8	1019.1	1978.8	46.940	48778.	51.03
Stddev	.511	31.7	5.5	1.1	13.2	.295	376.	.28
%RSD	1.0109	1.6851	.28783	.11155	.66520	.62753	.77054	.5521

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	471.90	191.17	241.96	928.94	47466.	907.27	45727.	477.65
Stddev	1.35	.26	.47	7.30	397.	5.84	403.	1.34
%RSD	.28634	.13394	.19349	.78556	.83592	.64423	.88028	.28134

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	935.51	47291.	472.90	465.04	489.2	2003.2	1935.9	969.23
Stddev	1.26	451.	.28	.60	2.9	7.1	6.0	2.24
%RSD	.13499	.95273	.05979	.12969	.5847	.35322	.30916	.23134

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: lcs 240-87457/2-a Acquired: 5/29/2013 17:36:32 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	TI1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1895.8	475.55	515.22	1033.0	891.03
Stddev	5.9	4.95	.74	24.4	9.50
%RSD	.31095	1.0414	.14429	2.3660	1.0659

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6293.3	5218.6	62064.	10995.
Stddev	8.2	5.7	329.	147.
%RSD	.13033	.10906	.52994	1.3383

Sample Name: 190-855-a-1-a Acquired: 5/29/2013 17:40:10 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.14904	-6.0992	45.483	55.384	268.96	-.05666	93906.	.2043
Stddev	.27669	10.861	.476	1.077	.40	.02933	681.	.0710
%RSD	185.65	178.08	1.0470	1.9452	.14913	51.758	.72547	34.74

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.33536	.46433	-3.1060	13977.	1750.1	5.1287	30271.	35.605
Stddev	.23499	.12285	.0814	88.	8.8	1.9909	325.	.060
%RSD	70.072	26.457	2.6212	.63112	.50321	38.818	1.0751	.16916

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11.856	8760.5	-.01174	-.84086	-1.207	1.9370	1.3153	.17661
Stddev	.167	60.3	.51796	.87076	1.068	1.1518	.4767	.04963
%RSD	1.4119	.68779	4411.2	103.56	88.49	59.465	36.244	28.100

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 190-855-a-1-a Acquired: 5/29/2013 17:40:10 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.9676	.69788	4.4701	9943.3	648.81
Stddev	.3198	1.0733	.1618	35.5	2.36
%RSD	16.255	153.80	3.6201	.35667	.36398

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6414.2	5218.2	60471.	10759.
Stddev	32.4	33.6	277.	227.
%RSD	.50587	.64386	.45830	2.1118

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.210%	92.562%	91.839%	99.563%
Range				

Sample Name: SD 190-855-a-1-a@5 Acquired: 5/29/2013 17:44:11 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-42185	-13.263	9.0533	24.253	53.248	-03189	18837.	.1013
Stddev	.16233	7.150	1.2593	.152	.055	.02319	79.	.0189
%RSD	38.481	53.913	13.910	.62803	.10352	72.703	.42126	18.66

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-28315	.31865	-1.5575	2787.2	414.66	3.1391	6177.6	7.0724
Stddev	.30545	.25816	.6536	27.8	21.29	1.1832	43.4	.0766
%RSD	107.87	81.016	41.968	.99876	5.1332	37.694	.70253	1.0826

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.1937	1997.3	-.33470	-.34633	-1.943	-.40129	-.38962	-.27333
Stddev	.2930	113.9	.43019	.19580	.320	.46752	.42255	.06826
%RSD	13.354	5.7020	128.53	56.536	16.48	116.50	108.45	24.974

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: SD 190-855-a-1-a@5 Acquired: 5/29/2013 17:44:11 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.66624	-.28767	.63020	1976.9	133.17
Stddev	1.3337	1.0231	.10785	8.1	6.36
%RSD	200.19	355.66	17.113	.41174	4.7750

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6901.2	5508.2	63982.	10642.
Stddev	73.9	56.1	638.	22.
%RSD	1.0706	1.0188	.99735	.20325

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.058%	97.707%	97.171%	98.484%
Range				

Sample Name: 190-855-a-1-b.ms Acquired: 5/29/2013 17:48:02 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	54.382	2048.9	2111.7	1123.2	2393.4	50.822	144890.
Stddev	.069	10.2	5.7	2.6	8.2	.264	2040.
%RSD	.12644	.49688	.27215	.22895	.34449	.51914	1.4082

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	54.83	502.50	202.61	258.00	14418.	53275.	992.38
Stddev	.32	.87	.48	.26	123.	343.	5.96
%RSD	.5818	.17245	.23937	.10228	.85391	.64352	.60011

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	79209.	544.42	1012.2	59781.	501.39	486.01	530.0
Stddev	606.	1.46	2.3	417.	1.79	.80	1.3
%RSD	.76526	.26794	.22537	.69834	.35641	.16507	.2468

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 190-855-a-1-b.ms Acquired: 5/29/2013 17:48:02 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2138.3	2087.5	1037.9	2009.1	511.62	503.14	10776.
Stddev	10.6	9.0	2.3	2.0	.62	1.41	47.
%RSD	.49482	.43062	.22339	.09750	.12165	.27958	.43814

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1581.3
Stddev	12.9
%RSD	.81870

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6157.9	5181.2	59832.	10251.
Stddev	27.7	21.6	95.	110.
%RSD	.45057	.41722	.15902	1.0760

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	86.605%	91.907%	90.868%	94.866%
Range				

Sample Name: 190-855-a-1-c msd Acquired: 5/29/2013 17:51:49 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	53.535	2017.7	2069.3	1102.1	2372.3	49.819	138700.
Stddev	.342	13.2	11.2	3.4	9.3	.115	2801.
%RSD	.63803	.65638	.54255	.31211	.39139	.23129	2.0193

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	54.03	493.88	196.54	255.26	14020.	52281.	977.58
Stddev	.25	.59	.76	1.40	69.	95.	3.31
%RSD	.4696	.12044	.38897	.54778	.49039	.18244	.33866

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	76111.	529.56	992.05	58766.	493.06	478.45	520.3
Stddev	435.	2.69	4.50	149.	1.22	.55	2.7
%RSD	.57175	.50762	.45317	.25338	.24750	.11429	.5219

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 190-855-a-1-c msd Acquired: 5/29/2013 17:51:49 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2103.6	2062.2	1018.1	1979.8	503.88	496.37	10493.
Stddev	7.8	3.1	4.4	7.3	2.60	1.36	42.
%RSD	.37090	.15246	.43331	.36652	.51696	.27307	.40200

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1529.9
Stddev	12.0
%RSD	.78524

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6107.8	5152.7	61716.	10900.
Stddev	24.6	16.0	194.	104.
%RSD	.40346	.31072	.31464	.95056

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	85.901%	91.401%	93.730%	100.87%
Range				

Sample Name: 190-854-a-1-a Acquired: 5/29/2013 17:55:35 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.04756	33.742	3.5042	107.15	1.7710	-.04118	25706.	.0821
Stddev	.18714	9.691	.5967	.30	.0810	.02391	88.	.1375
%RSD	393.50	28.719	17.027	.28127	4.5742	58.055	.34386	167.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.05461	2.5541	.93811	39.697	10891.	2.5090	6890.3	250.35
Stddev	.20993	.0905	.58010	.924	61.	.5680	36.8	1.11
%RSD	384.42	3.5448	61.837	2.3282	.55888	22.639	.53479	.44335

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24.609	62580.	322.16	.32617	1.068	1.0167	37.185	.38655
Stddev	.026	242.	.92	.48753	1.126	3.1486	.278	.13688
%RSD	.10611	.38605	.28557	149.47	105.4	309.69	.74782	35.410

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 190-854-a-1-a Acquired: 5/29/2013 17:55:35 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.0926	1.1826	200.58	2345.6	32.997
Stddev	.8378	1.0618	.92	12.0	5.287
%RSD	40.036	89.786	.45654	.51223	16.024

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6695.6	5439.5	64824.	11298.
Stddev	32.8	34.6	263.	46.
%RSD	.48944	.63632	.40508	.40826

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.167%	96.487%	98.450%	104.55%
Range				

Sample Name: 190-855-a-2-a Acquired: 5/29/2013 17:59:24 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.3418	-59.548	-.90697	4.9036	-.91076	-.31391	-14.314	-.0795
Stddev	.0828	4.665	.48375	.3582	.38373	.01228	25.788	.0246
%RSD	6.1708	7.8345	53.336	7.3046	42.133	3.9131	180.17	30.87

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.40176	.40458	-2.5120	-1.2751	-.09548	-2.3461	21.807	-.06290
Stddev	.09297	.06862	.4162	2.3369	17.548	.7397	12.052	.08787
%RSD	23.141	16.961	16.569	183.28	18378.	31.528	55.265	139.70

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.37498	44.650	-2.1319	-.42351	-4.972	-.95543	-.47522	-.76958
Stddev	.13408	18.208	.1420	.47263	.510	1.3846	.05135	.04039
%RSD	35.758	40.779	6.6604	111.60	10.26	144.92	10.806	5.2481

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 190-855-a-2-a Acquired: 5/29/2013 17:59:24 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.8382	-2.4685	-1.4371	10.568	1.0937
Stddev	.2690	.3314	.1087	8.854	.7682
%RSD	9.4786	13.426	7.5606	83.790	70.243

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	W 17405.	W 13833.	W 161400.	W 24780.
Stddev	1071.	843.	6153.	1514.
%RSD	6.1528	6.0942	3.8126	6.1112

Check ?	Chk Warn	Chk Warn	Chk Warn	Chk Warn
Value	244.78%	245.38%	245.11%	229.32%
Range	30.500%	30.500%	30.500%	30.500%

Sample Name: 190-855-a-2-a@5 Acquired: 5/29/2013 18:03:16 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.09444	56.397	2135.3	21.621	4572.9	.92398
Stddev	.32159	13.594	1.5	.383	58.1	.01420
%RSD	340.51	24.104	.07031	1.7718	1.2704	1.5364

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	86163.	-.6620	-6.8366	1.8035	3.7049	F 673150.
Stddev	2411.	.0858	.3692	.1908	.4720	3416.
%RSD	2.7983	12.96	5.4007	10.580	12.739	.50743

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500000.
Low Limit						-500000.

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	202.14	-1.3323	7840.4	1004.3	14.813	1730.3
Stddev	17.13	.8055	43.8	11.4	.180	23.5
%RSD	8.4734	60.463	.55829	1.1318	1.2178	1.3572

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 190-855-a-2-a@5 Acquired: 5/29/2013 18:03:16 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-11.465	-5.6941	-7.865	4.8316	5.6125	2.5568
Stddev	.632	1.0814	1.086	1.2906	.1958	.3481
%RSD	5.5108	18.991	13.81	26.712	3.4883	13.614

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	6.9447	4.3324	44.802	48974.	1158.8
Stddev	.8032	1.2907	.150	1803.	1.1
%RSD	11.566	29.791	.33513	3.6822	.09093

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6076.0	5237.0	62711.	11271.
Stddev	17.4	14.1	355.	102.
%RSD	.28699	.26950	.56533	.90356

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	85.453%	92.896%	95.241%	104.31%
Range				

Sample Name: 190-856-b-8-a Acquired: 5/29/2013 18:07:29 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.23177	1710.8	2.1891	1791.5	26.682	.00423	45384.
Stddev	.37525	17.7	1.1041	15.8	.379	.02651	553.
%RSD	161.91	1.0350	50.436	.88009	1.4218	627.12	1.2176

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3823	.93418	.96130	32.085	1229.8	5632.0	4.8281
Stddev	.0896	.20459	.10743	.450	17.5	70.6	.4250
%RSD	23.43	21.901	11.176	1.4023	1.4269	1.2542	8.8026

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7858.4	155.09	84.049	184410.	8.0024	5.2079	-1.290
Stddev	117.1	.34	.962	1405.	.1422	.8216	.414
%RSD	1.4906	.21936	1.1450	.76175	1.7767	15.776	32.08

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 190-856-b-8-a Acquired: 5/29/2013 18:07:29 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.91841	3.1769	.93179	1.9046	.65389	112.54	1098.6
Stddev	.78835	.5780	.06980	.4478	1.5870	1.48	16.7
%RSD	85.838	18.194	7.4907	23.512	242.70	1.3154	1.5197

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	786.67
Stddev	8.93
%RSD	1.1351

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6388.0	5336.7	62297.	11088.
Stddev	58.3	47.7	159.	124.
%RSD	.91195	.89406	.25497	1.1228

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	89.841%	94.665%	94.612%	102.61%
Range				

Sample Name: 190-856-b-9-a Acquired: 5/29/2013 18:11:25 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.37065	1013.8	2.1542	1871.0	25.963	-.01467	46646.
Stddev	.19542	5.8	.7892	1.6	.267	.02602	46.
%RSD	52.723	.57626	36.633	.08327	1.0283	177.40	.09914

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3263	1.0777	1.3524	28.576	745.89	5790.8	5.5753
Stddev	.1462	.1344	.2149	.529	2.83	61.5	.5529
%RSD	44.79	12.471	15.889	1.8509	.37909	1.0623	9.9171

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8068.2	152.17	85.376	190810.	4.3845	3.2482	-.4504
Stddev	34.9	2.61	.391	1679.	.3807	1.1556	.3936
%RSD	.43257	1.7169	.45743	.87990	8.6821	35.576	87.38

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 190-856-b-9-a Acquired: 5/29/2013 18:11:25 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.78904	1.6480	.53183	1.3753	-.54692	86.789	1027.2
Stddev	1.3305	.0414	.04407	1.5401	.66733	.216	3.2
%RSD	168.63	2.5116	8.2867	111.99	122.02	.24926	.30707

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	800.36
Stddev	2.00
%RSD	.25046

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6306.0	5286.5	61346.	10948.
Stddev	18.3	14.0	174.	149.
%RSD	.28968	.26392	.28288	1.3573

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	88.688%	93.774%	93.168%	101.31%
Range				

Sample Name: CCV Acquired: 5/29/2013 18:15:22 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1056.8	25215.	510.75	5212.7	2081.3	2000.3	51911.
Stddev	4.3	120.	1.74	3.0	4.9	6.6	197.
%RSD	.40558	.47758	.34039	.05732	.23328	.32839	.38026

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	519.6	1997.7	1989.5	2027.8	24414.	50438.	4918.0
Stddev	.4	6.1	7.2	7.9	77.	86.	16.4
%RSD	.0740	.30694	.35963	.39196	.31545	.17148	.33430

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48902.	1981.6	1976.0	50700.	1986.9	489.39	518.3
Stddev	174.	8.0	4.8	134.	6.3	1.44	1.8
%RSD	.35591	.40138	.24063	.26451	.31910	.29526	.3526

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Sample Name: CCV Acquired: 5/29/2013 18:15:22 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	522.04	5261.8	5106.7	1004.2	1982.0	2012.1	F 5656.7
Stddev	.41	17.7	14.4	1.8	8.4	10.1	143.3
%RSD	.07916	.33729	.28221	.18062	.42160	.50233	2.5338

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value							5000.0
Range							10.500%

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	4799.3
Stddev	21.1
%RSD	.44021

Check ?	Chk Pass
Value	
Range	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6080.0	5141.1	60086.	10311.
Stddev	34.9	25.6	180.	27.
%RSD	.57384	.49743	.29990	.26508

Sample Name: CCB Acquired: 5/29/2013 18:19:08 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.32162	-14.236	2.0177	18.957	.04418	.07055	-7.8292	.3670
Stddev	.55901	3.587	.8185	6.737	.10050	.01047	2.0022	.5267
%RSD	173.81	25.200	40.566	35.540	227.50	14.841	25.573	143.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.0557	.42683	-1.2607	2.0232	221.97	5.3921	5.1308	.23883
Stddev	1.8938	.33585	.4394	.4137	32.28	.1484	4.2914	.33038
%RSD	179.39	78.683	34.855	20.448	14.543	2.7522	83.640	138.33

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.0510	153.70	.99604	-.34531	-2.074	.30579	3.9699	2.0496
Stddev	1.9137	10.23	2.1135	.39524	1.625	.55917	5.5449	.9633
%RSD	62.723	6.6523	212.19	114.46	78.35	182.86	139.67	46.998

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB Acquired: 5/29/2013 18:19:08 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.99486	.33758	.35498	12.116	-1.7235
Stddev	1.4477	.56665	1.9209	6.670	3.8484
%RSD	145.52	167.86	541.12	55.053	223.29

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6893.6	5467.9	65002.	10865.
Stddev	32.5	32.7	307.	53.
%RSD	.47177	.59751	.47235	.48750

Sample Name: 190-860-a-1-a Acquired: 5/29/2013 18:23:06 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.11246	205.00	2.5401	110.26	3.1914	.03585	30710.	.1225
Stddev	.11565	21.95	.4905	.53	.1008	.02342	65.	.0194
%RSD	102.84	10.705	19.311	.48143	3.1593	65.343	.21196	15.86

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.06786	1.8914	2.8134	91.589	11138.	5.3748	7689.1	229.81
Stddev	.13093	.1478	.7578	.629	54.	.8148	14.6	.61
%RSD	192.95	7.8162	26.935	.68655	.48875	15.159	.19035	.26591

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	200.33	65576.	457.09	.07604	-1.149	.26132	19.851	.49447
Stddev	.77	113.	1.02	1.3552	1.523	1.7914	.235	.23446
%RSD	.38474	.17159	.22350	1782.2	132.5	685.52	1.1839	47.416

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: 190-860-a-1-a Acquired: 5/29/2013 18:23:06 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	TI1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.6166	.90999	183.20	2902.7	43.322
Stddev	.5003	1.0177	.74	5.6	2.119
%RSD	30.947	111.84	.40432	.19124	4.8903

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6721.7	5463.7	65375.	11275.
Stddev	52.4	35.6	176.	135.
%RSD	.77949	.65191	.26988	1.1986

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 Value 94.533% 96.916% 99.286% 104.34%
 Range

Sample Name: 240-24742-j-2-b Acquired: 5/29/2013 18:26:55 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.3201	-47.643	-1.5536	3.7228	-1.0174	-.24883	-15.135	-.1183
Stddev	.2137	1.321	.4360	.1406	.2036	.08438	21.698	.0928
%RSD	16.186	2.7727	28.062	3.7766	20.015	33.912	143.36	78.48

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.40208	.35150	-2.5886	.56272	30.079	-1.8108	14.493	.04443
Stddev	.12607	.06121	.1324	4.3402	35.784	.2758	8.161	.39472
%RSD	31.355	17.414	5.1148	771.29	118.97	15.229	56.313	888.40

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.51326	56.138	-2.1060	-.52296	-5.495	-1.7596	-.77858	-.60883
Stddev	.20187	27.574	.2776	.27265	.643	1.2743	.10761	.29974
%RSD	39.331	49.117	13.182	52.136	11.71	72.423	13.821	49.233

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24742-j-2-b Acquired: 5/29/2013 18:26:55 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.8503	-2.4872	-1.4428	10.886	-1.2721
Stddev	.2537	.6956	.0814	8.247	.2459
%RSD	8.9011	27.967	5.6409	75.757	19.334

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	W 17198.	W 13646.	W 153880.	W 23594.
Stddev	303.	236.	2120.	2255.
%RSD	1.7601	1.7317	1.3778	9.5585

Check ?	Chk Warn	Chk Warn	Chk Warn	Chk Warn
Value	241.88%	242.07%	233.71%	218.35%
Range	30.500%	30.500%	30.500%	30.500%

Sample Name: 240-24742-h-2-b Acquired: 5/29/2013 18:30:48 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.4585	-55.379	-1.7013	3.1546	-1.1446	-.31514	-34.061	-.1271
Stddev	.1211	8.554	.2031	.1291	.1722	.03326	.884	.0608
%RSD	8.3032	15.447	11.939	4.0933	15.050	10.553	2.5959	47.85

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.41230	.36388	-2.3200	-2.2953	-22.004	-2.4783	8.3406	-.19390
Stddev	.04673	.06502	.1730	.3658	21.542	.7922	7.0861	.00654
%RSD	11.334	17.869	7.4563	15.936	97.902	31.965	84.959	3.3711

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.16600	18.188	-1.8665	-.83351	-5.816	-1.0727	-.88187	-.75631
Stddev	.01604	4.628	.1876	.18860	.447	.8733	.42428	.05190
%RSD	9.6644	25.446	10.049	22.627	7.690	81.412	48.112	6.8619

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24742-h-2-b Acquired: 5/29/2013 18:30:48 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.8000	-2.2938	-1.4102	.05759	-.25394
Stddev	.5776	.3948	.0608	5.2814	.91331
%RSD	20.629	17.213	4.3091	9170.7	359.66

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	W 16895.	W 13432.	W 160270.	W 23261.
Stddev	854.	689.	841.	2033.
%RSD	5.0554	5.1269	.52453	8.7393

Check ?	Chk Warn	Chk Warn	Chk Warn	Chk Warn
Value	237.62%	238.26%	243.40%	215.26%
Range	30.500%	30.500%	30.500%	30.500%

Sample Name: 240-24884-d-1-a Acquired: 5/29/2013 18:34:39 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.4075	-46.991	-1.2648	2.3996	-1.1253	-.34204	-34.425	-.0786
Stddev	.0774	4.276	.3267	.0944	.1359	.00777	.061	.0860
%RSD	5.4981	9.0993	25.829	3.9339	12.077	2.2724	.17638	109.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.35077	.40802	-2.4785	-2.4127	-48.213	-2.4801	7.7382	-.12452
Stddev	.03646	.03480	.1047	.3545	23.563	1.0228	6.4838	.11726
%RSD	10.395	8.5291	4.2243	14.695	48.872	41.241	83.789	94.170

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.01733	24.592	-1.8597	-.75399	-5.043	-.92795	-.74649	-.82485
Stddev	.06124	20.722	.1427	.39796	.340	.38979	.20156	.02701
%RSD	353.29	84.264	7.6721	52.781	6.749	42.006	27.001	3.2748

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24884-d-1-a Acquired: 5/29/2013 18:34:39 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.6022	-2.9428	-1.4003	12.412	-1.1115
Stddev	.2137	1.0878	.0831	19.105	.4334
%RSD	8.2116	36.967	5.9372	153.92	38.990

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	W 16916.	W 13418.	W 166810.	W 23694.
Stddev	785.	619.	1420.	2360.
%RSD	4.6397	4.6124	.85119	9.9582

Check ?	Chk Warn	Chk Warn	Chk Warn	Chk Warn
Value	237.91%	238.01%	253.33%	219.27%
Range	30.500%	30.500%	30.500%	30.500%

Sample Name: 240-24884-d-2-a Acquired: 5/29/2013 18:38:32 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.5562	-53.742	-1.6001	1.7505	-1.1108	-.34194	-34.258	-.0739
Stddev	.0608	5.815	.1507	.1176	.0562	.01596	.811	.0547
%RSD	3.9057	10.819	9.4182	6.7200	5.0573	4.6684	2.3681	74.00

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.38254	.38166	-2.5357	-3.0626	-26.079	-3.1883	9.5695	-.06198
Stddev	.08955	.04075	.1842	.5907	5.367	.3023	1.9693	.20555
%RSD	23.409	10.677	7.2633	19.287	20.579	9.4827	20.579	331.66

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.04091	18.225	-1.9382	-.62652	-5.711	-1.1163	-.73095	-.80268
Stddev	.04451	8.526	.1504	.42325	.307	.5149	.11583	.09732
%RSD	108.80	46.780	7.7580	67.555	5.369	46.130	15.846	12.124

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24884-d-2-a Acquired: 5/29/2013 18:38:32 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.7470	-2.8570	-1.3970	4.5147	1.0958
Stddev	.2008	.5349	.1064	11.195	.2648
%RSD	7.3090	18.722	7.6159	247.97	24.168

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	W 17005.	W 13498.	W 165840.	W 23611.
Stddev	710.	560.	3323.	705.
%RSD	4.1735	4.1466	2.0039	2.9840

Check ?	Chk Warn	Chk Warn	Chk Warn	Chk Warn
Value	239.16%	239.44%	251.86%	218.50%
Range	30.500%	30.500%	30.500%	30.500%

Sample Name: 240-24884-d-3-a Acquired: 5/29/2013 18:42:25 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.5439	-46.525	-1.7638	1.2834	-.97643	-.32749	-33.878	-.0997
Stddev	.3452	1.811	.1396	.0735	.19493	.02541	.615	.0401
%RSD	22.360	3.8933	7.9169	5.7286	19.963	7.7582	1.8158	40.25

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.39077	.41660	-2.0894	-2.7143	-40.656	-2.4374	8.1731	-.08787
Stddev	.06163	.05110	.2504	.1396	19.007	.9505	1.7686	.17810
%RSD	15.772	12.266	11.986	5.1435	46.751	38.997	21.639	202.68

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.06996	17.792	-2.0145	-.41471	-5.292	-.94344	-.85078	-.77122
Stddev	.07484	16.115	.0653	.39772	.734	.74765	.08820	.09435
%RSD	106.99	90.575	3.2387	95.904	13.87	79.248	10.367	12.233

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24884-d-3-a Acquired: 5/29/2013 18:42:25 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.6171	-2.8266	-1.4506	.06053	.85759
Stddev	.2311	.0936	.0466	4.2566	1.0196
%RSD	8.8310	3.3106	3.2151	7032.5	118.89

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	W 17459.	W 13856.	W 169810.	W 22105.
Stddev	652.	510.	11578.	1344.
%RSD	3.7357	3.6779	6.8179	6.0812

Check ?	Chk Warn	Chk Warn	Chk Warn	Chk Warn
Value	245.55%	245.79%	257.90%	204.57%
Range	30.500%	30.500%	30.500%	30.500%

Sample Name: 240-24884-d-4-a Acquired: 5/29/2013 18:46:18 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.4122	-43.029	-.80712	1.1795	-1.1737	-.34485	-35.099	-.1171
Stddev	.0884	5.061	.27798	.0338	.1758	.00674	.466	.0550
%RSD	6.2569	11.763	34.441	2.8668	14.978	1.9551	1.3281	46.95

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.36496	.37468	-2.0107	-3.0566	-38.439	-3.3050	11.239	.03377
Stddev	.11142	.18425	.1878	.2779	12.327	.1605	3.085	.23276
%RSD	30.528	49.176	9.3388	9.0911	32.069	4.8555	27.445	689.18

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.12946	1.4292	-1.9635	-.43064	-5.210	-1.4627	-.82856	-.71539
Stddev	.03102	12.141	.0681	.12800	.407	.3447	.15504	.05352
%RSD	23.961	849.55	3.4697	29.723	7.819	23.564	18.712	7.4817

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24884-d-4-a Acquired: 5/29/2013 18:46:18 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.8662	-2.9647	-1.3620	.03899	1.2642
Stddev	.2112	.3580	.0917	4.9144	1.6422
%RSD	7.3703	12.075	6.7329	12605.	129.91

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	W 16655.	W 13212.	W 157390.	W 23728.
Stddev	776.	609.	4965.	485.
%RSD	4.6613	4.6094	3.1546	2.0438

Check ?	Chk Warn	Chk Warn	Chk Warn	Chk Warn
Value	234.24%	234.36%	239.04%	219.58%
Range	30.500%	30.500%	30.500%	30.500%

Sample Name: 240-24884-d-5-a Acquired: 5/29/2013 18:50:11 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.3540	-49.630	-1.5131	.90163	-1.0840	-.34905	-34.203	-.1247
Stddev	.3020	11.912	.6868	.16520	.1275	.00455	1.632	.0647
%RSD	22.303	24.001	45.391	18.322	11.761	1.3033	4.7713	51.87

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.37658	.31053	-2.3548	-2.7393	-44.867	-2.6211	7.7915	-.03179
Stddev	.04383	.18942	.0294	.4633	10.834	.3945	6.2818	.30958
%RSD	11.638	61.001	1.2501	16.915	24.147	15.052	80.624	973.78

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.13325	6.7880	-1.6939	-.61197	-5.461	-.80466	-.92124	-.68678
Stddev	.05951	6.4501	.1045	.17263	.453	.16930	.11163	.05055
%RSD	44.657	95.022	6.1700	28.208	8.286	21.040	12.118	7.3608

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24884-d-5-a Acquired: 5/29/2013 18:50:11 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.6872	-2.2017	-1.4012	4.3662	.05946
Stddev	.3778	.1151	.0738	4.3032	1.4414
%RSD	14.058	5.2272	5.2701	98.557	2424.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	W 16557.	W 13096.	W 162900.	W 22584.
Stddev	662.	524.	3016.	2632.
%RSD	4.0011	4.0003	1.8516	11.656

Check ?	Chk Warn	Chk Warn	Chk Warn	Chk Warn
Value	232.86%	232.31%	247.40%	209.00%
Range	30.500%	30.500%	30.500%	30.500%

Sample Name: 240-24884-d-6-a Acquired: 5/29/2013 18:54:04 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.3442	-41.053	-1.2859	.59101	-.99264	-.34260	-34.244	-.0984
Stddev	.0809	11.258	.5731	.08535	.16474	.01065	.510	.0599
%RSD	6.0187	27.422	44.570	14.441	16.596	3.1081	1.4897	60.84

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.41157	.37459	-2.2731	-2.4235	-51.458	-3.1503	6.3230	.05618
Stddev	.08117	.11352	.2211	.3234	14.038	.8179	4.6386	.26424
%RSD	19.721	30.306	9.7263	13.345	27.280	25.961	73.362	470.33

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.18579	2.5159	-1.8262	-.69154	-5.863	-1.1783	-.88989	-.70722
Stddev	.01487	6.8644	.2512	.59964	.160	.1662	.08466	.07661
%RSD	8.0043	272.84	13.756	86.711	2.726	14.106	9.5135	10.832

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24884-d-6-a Acquired: 5/29/2013 18:54:04 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	3.1358	-2.7948	-1.5067	-3.3346	-.39047
Stddev	.4547	.2667	.0318	2.5794	1.8885
%RSD	14.502	9.5437	2.1103	77.354	483.65

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	W 17361.	W 13750.	W 162030.	W 22323.
Stddev	645.	524.	3997.	2043.
%RSD	3.7126	3.8125	2.4669	9.1525

Check ?	Chk Warn	Chk Warn	Chk Warn	Chk Warn
Value	244.16%	243.90%	246.08%	206.58%
Range	30.500%	30.500%	30.500%	30.500%

Sample Name: 240-24884-d-7-a Acquired: 5/29/2013 18:57:56 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.3201	-47.169	-1.4272	.52716	-1.0992	-.35281	-34.712	-.0996
Stddev	.2243	2.490	.7974	.13985	.1166	.00254	1.094	.0082
%RSD	16.988	5.2787	55.872	26.528	10.611	.71988	3.1523	8.254

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.40422	.30745	-1.9827	-2.9725	-48.690	-3.4475	7.8371	.09889
Stddev	.05876	.16494	.1465	.5774	21.216	.9911	10.416	.47311
%RSD	14.536	53.649	7.3904	19.424	43.574	28.749	132.90	478.43

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.08636	-17.385	-1.9445	-.47909	-5.176	-.96465	-1.0229	-.70553
Stddev	.08460	15.313	.2669	.32040	.476	.17307	.1296	.01527
%RSD	97.962	88.082	13.726	66.877	9.206	17.941	12.674	2.1647

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24884-d-7-a Acquired: 5/29/2013 18:57:56 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.7717	-2.8038	-1.4291	-2.2585	-.47658
Stddev	.0911	.9463	.0575	4.0469	.05363
%RSD	3.2852	33.752	4.0252	179.18	11.254

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	W 16996.	W 13457.	W 158230.	W 22749.
Stddev	454.	349.	5560.	115.
%RSD	2.6697	2.5901	3.5137	.50386

Check ?	Chk Warn	Chk Warn	Chk Warn	Chk Warn
Value	239.04%	238.71%	240.30%	210.53%
Range	30.500%	30.500%	30.500%	30.500%

Sample Name: CCV Acquired: 5/29/2013 19:01:50 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1055.7	25702.	512.09	5210.9	2095.4	2053.3	52964.
Stddev	1.2	52.	3.31	25.6	5.4	.6	65.
%RSD	.11747	.20308	.64564	.49142	.25797	.02910	.12207

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	518.9	2004.5	2000.9	2025.6	25215.	51380.	5046.1
Stddev	2.7	11.8	2.8	1.9	18.	79.	4.6
%RSD	.5202	.58947	.14232	.09556	.07227	.15385	.09070

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50709.	2008.5	1985.3	52092.	1994.5	490.04	515.1
Stddev	39.	4.5	10.8	66.	13.0	3.93	2.7
%RSD	.07734	.22335	.54261	.12694	.65315	.80204	.5309

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Sample Name: CCV Acquired: 5/29/2013 19:01:50 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	523.01	5243.6	5144.3	1010.8	2021.8	2015.9	F 5699.8
Stddev	4.82	35.0	35.3	7.1	4.4	15.0	124.3
%RSD	.92111	.66796	.68557	.69810	.21530	.74230	2.1810

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value							5000.0
Range							10.500%

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	4951.2
Stddev	9.6
%RSD	.19423

Check ?	Chk Pass
Value	
Range	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6168.6	5211.6	60445.	10121.
Stddev	49.2	35.5	63.	13.
%RSD	.79747	.68084	.10431	.12408

Sample Name: CCB Acquired: 5/29/2013 19:05:38 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.14590	29.269	.15099	15.200	3.0703	F 3.1757	67.001
Stddev	.20238	65.211	1.9612	9.904	5.1947	5.4286	134.42
%RSD	138.71	222.80	1298.9	65.160	169.19	170.94	200.62

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						1.0000	
Low Limit						-1.0000	

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.6129	2.0631	-.17339	-.93265	38.812	222.59	11.466
Stddev	.9761	3.3313	.14252	.14411	65.671	112.65	11.759
%RSD	159.3	161.48	82.196	15.451	169.20	50.611	102.55

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	76.567	-.03681	3.5458	140.49	1.6764	-.00195	-1.555
Stddev	138.32	.01642	3.3131	111.13	3.0961	.14510	2.332
%RSD	180.66	44.596	93.438	79.102	184.69	7431.3	150.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: CCB Acquired: 5/29/2013 19:05:38 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.1550	5.7980	1.3711	1.3569	2.6108	1.0607	24.562
Stddev	1.2432	8.8547	.1570	2.3424	6.1408	3.2757	16.907
%RSD	107.63	152.72	11.453	172.64	235.21	308.81	68.835

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	9.1406
Stddev	14.811
%RSD	162.04

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7056.7	5608.3	66116.	10914.
Stddev	36.0	25.6	412.	32.
%RSD	.50999	.45617	.62383	.29676

Sample Name: 240-24884-d-8-a Acquired: 5/29/2013 19:09:36 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.3055	-41.368	-1.3853	2.4019	-.93700	-.19335	-30.700	-.1156
Stddev	.2149	5.044	.3785	.0769	.31866	.13857	4.755	.0519
%RSD	16.458	12.193	27.322	3.2003	34.008	71.669	15.490	44.91

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.40544	.62939	-2.0754	-.80336	-11.841	-1.8062	12.280	.10537
Stddev	.07559	.13265	.0831	2.2287	11.268	.6452	2.953	.26608
%RSD	18.644	21.076	4.0034	277.43	95.162	35.718	24.044	252.51

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.10453	-22.716	-2.1451	-.69954	-5.627	-1.1278	-.71105	-.14601
Stddev	.05379	9.523	.0807	.09310	.543	.5645	.14115	.47922
%RSD	51.455	41.924	3.7624	13.308	9.648	50.049	19.851	328.20

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24884-d-8-a Acquired: 5/29/2013 19:09:36 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.9802	-2.0324	-1.4702	-.30523	.76443
Stddev	.1995	.2365	.0463	3.1943	1.0490
%RSD	6.6954	11.638	3.1488	1046.5	137.23

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	W 17465.	W 13846.	W 162590.	W 22930.
Stddev	518.	405.	3231.	1322.
%RSD	2.9666	2.9276	1.9870	5.7639

Check ?	Chk Warn	Chk Warn	Chk Warn	Chk Warn
Value	245.62%	245.60%	246.93%	212.20%
Range	30.500%	30.500%	30.500%	30.500%

Sample Name: 240-24884-d-9-a Acquired: 5/29/2013 19:13:28 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.5750	-50.427	-1.0844	1.7730	-1.1288	-.33892	-34.705	-.1260
Stddev	.1296	6.624	.4400	.0623	.0963	.02085	.689	.0119
%RSD	8.2302	13.136	40.572	3.5111	8.5299	6.1514	1.9850	9.464

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.32574	.35165	-2.1947	-2.5114	-57.410	-3.2687	6.8615	.05302
Stddev	.07519	.09735	.1370	.1204	2.886	.3697	4.9917	.42007
%RSD	23.082	27.684	6.2415	4.7940	5.0272	11.310	72.750	792.33

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.00350	-13.173	-1.9891	-.93863	-4.715	-1.0945	-.81751	-.57162
Stddev	.01379	7.385	.1778	.24894	.481	.3722	.09642	.36615
%RSD	393.60	56.062	8.9399	26.521	10.19	34.005	11.794	64.055

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24884-d-9-a Acquired: 5/29/2013 19:13:28 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.6290	-2.7901	-1.4056	-.36999	-1.1382
Stddev	.1553	.8231	.0935	2.0465	.7614
%RSD	5.9053	29.502	6.6504	553.13	66.896

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	W 17244.	W 13653.	W 159990.	W 23759.
Stddev	532.	420.	8273.	1661.
%RSD	3.0824	3.0785	5.1706	6.9911

Check ?	Chk Warn	Chk Warn	Chk Warn	Chk Warn
Value	242.52%	242.18%	242.98%	219.87%
Range	30.500%	30.500%	30.500%	30.500%

Sample Name: 240-24884-d-10-a Acquired: 5/29/2013 19:17:21 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.2786	-54.362	-1.7138	1.1088	-.98446	-.33019	-32.865	.0096
Stddev	.1863	2.101	.1930	.0400	.07008	.00538	.816	.0194
%RSD	14.568	3.8646	11.261	3.6100	7.1189	1.6292	2.4816	200.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.39121	.33382	-2.2801	-2.7078	-51.183	-3.2799	1.5476	.05503
Stddev	.09350	.14656	.5694	.6182	2.472	.1729	2.2205	.27871
%RSD	23.900	43.905	24.971	22.830	4.8290	5.2711	143.48	506.48

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.08765	-5.6987	-1.9660	-.88604	-5.351	-1.4947	-.86507	-.74188
Stddev	.06510	7.3287	.0945	.39646	.540	.4388	.18639	.14973
%RSD	74.276	128.60	4.8075	44.745	10.09	29.356	21.546	20.183

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24884-d-10-a Acquired: 5/29/2013 19:17:21 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.9574	-2.6678	-1.4551	2.4494	-.10927
Stddev	.2483	.8018	.0592	5.3655	1.6161
%RSD	8.3961	30.053	4.0718	219.05	1479.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	W 17680.	W 14013.	W 162250.	W 22347.
Stddev	592.	464.	3064.	809.
%RSD	3.3482	3.3115	1.8886	3.6205

Check ?	Chk Warn	Chk Warn	Chk Warn	Chk Warn
Value	248.65%	248.57%	246.42%	206.80%
Range	30.500%	30.500%	30.500%	30.500%

Sample Name: 240-24884-d-11-a Acquired: 5/29/2013 19:21:14 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.2722	-44.106	-1.7930	.95213	-1.0436	-.34566	-33.850	-.1045
Stddev	.0829	4.400	.6585	.14924	.1410	.02211	.566	.0383
%RSD	6.5132	9.9754	36.725	15.675	13.510	6.3976	1.6730	36.68

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.40577	.34777	-1.8268	-2.9579	-78.236	-3.8097	9.7015	.42373
Stddev	.03967	.03679	.3145	.1973	7.715	.4487	1.8858	.33056
%RSD	9.7765	10.578	17.215	6.6702	9.8612	11.779	19.438	78.011

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.09624	3.5580	-1.9852	-.70038	-4.892	-1.5242	-.84100	-.64217
Stddev	.03783	9.0209	.2163	.52791	.494	.3443	.09467	.09969
%RSD	39.307	253.54	10.897	75.374	10.09	22.589	11.257	15.524

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24884-d-11-a Acquired: 5/29/2013 19:21:14 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.9129	-3.4698	-1.3755	.09108	-.40668
Stddev	.3304	.7709	.0288	3.1455	.63705
%RSD	11.343	22.217	2.0954	3453.4	156.65

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	W 17076.	W 13538.	W 158770.	W 22249.
Stddev	158.	150.	4605.	906.
%RSD	.92772	1.1106	2.9006	4.0698

Check ?	Chk Warn	Chk Warn	Chk Warn	Chk Warn
Value	240.16%	240.13%	241.13%	205.90%
Range	30.500%	30.500%	30.500%	30.500%

Sample Name: 240-24946-f-1-a Acquired: 5/29/2013 19:25:06 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	s 1.5203	-45.805	k -1.3472	.52758	-.99802	-.34088	-34.264
Stddev	.1175	3.321	.3599	.02125	.12263	.01402	.911
%RSD	7.7295	7.2498	26.714	4.0283	12.288	4.1135	2.6576

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	k -.0838	k -.45594	s .38985	s -2.0313	-2.2689	-62.805	-3.2169
Stddev	.0563	.06729	.18276	.2921	.2666	5.018	.8429
%RSD	67.13	14.759	46.880	14.378	11.748	7.9894	26.202

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.5983	s .39548	-.07918	-14.877	k -1.9659	k -.35913	k -5.249
Stddev	1.1172	.12021	.05490	8.677	.0353	.85366	.872
%RSD	19.957	30.397	69.336	58.328	1.7976	237.70	16.61

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24946-f-1-a Acquired: 5/29/2013 19:25:06 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	k -.80791	-.81735	s -.61686	k 2.5543	-2.4372	k -1.4429	-3.1868
Stddev	.25229	.06983	.07293	.2627	.2495	.0138	2.1631
%RSD	31.227	8.5433	11.823	10.284	10.238	.96019	67.878

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	-1.3548
Stddev	.6329
%RSD	46.713

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	W 17561.	W 13892.	^W *****	W 22771.
Stddev	458.	363.	-----	1911.
%RSD	2.6103	2.6113	-----	8.3941

Check ?	Chk Warn	Chk Warn	Chk Warn	Chk Warn
Value	246.98%	246.42%	245.90%	210.72%
Range	30.500%	30.500%	30.500%	30.500%

Sample Name: mb 240-87271/1-a Acquired: 5/29/2013 19:29:00 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.4071	-52.930	-1.5841	.40011	-1.1466	-.34463	-35.038	-.0730
Stddev	.1099	5.211	.2664	.08579	.1221	.00300	.647	.0676
%RSD	7.8125	9.8458	16.815	21.443	10.644	.86946	1.8454	92.59

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.38453	.38744	-2.0734	-3.0447	-68.777	-3.9686	11.384	.02972
Stddev	.04917	.02949	.2506	.5869	23.226	.4145	4.706	.31247
%RSD	12.787	7.6110	12.086	19.276	33.771	10.446	41.340	1051.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.14547	-9.9547	-1.9461	-.64710	-5.227	-1.2951	-.81750	-.66874
Stddev	.06901	9.0901	.0305	1.0729	.526	.2041	.06686	.07667
%RSD	47.441	91.315	1.5682	165.80	10.07	15.758	8.1783	11.465

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: mb 240-87271/1-a Acquired: 5/29/2013 19:29:00 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.4180	-2.5839	-1.3937	-3.3694	-.08322
Stddev	.1373	.7065	.0834	1.1654	.49154
%RSD	5.6779	27.343	5.9819	34.589	590.63

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	16973.	13429.	160160.	24025.
Stddev	607.	457.	2739.	1580.
%RSD	3.5765	3.4051	1.7103	6.5766

Sample Name: lcs 240-87271/2-a Acquired: 5/29/2013 19:32:52 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 1.3816	F -44.117	F -.88568	F .15744	F -1.0890	F -.34253	F -34.895
Stddev	.1245	.870	.46156	.12801	.1068	.01438	.122
%RSD	9.0142	1.9712	52.114	81.308	9.8070	4.1979	.35082

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	50.000	2000.0	2000.0	1000.0	2000.0	50.000	50000.
Range	-20.500%	-20.500%	-20.500%	-20.500%	-20.500%	-20.500%	-20.500%

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F -.1199	F -.40743	F .40391	F -2.3409	F -3.3464	F -70.632	F -4.3804
Stddev	.0188	.06981	.13066	.3917	.6191	8.748	.4422
%RSD	15.68	17.133	32.350	16.734	18.501	12.384	10.096

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	50.00	500.00	200.00	250.00	1000.0	50000.	1000.0
Range	-20.50%	-20.500%	-20.500%	-20.500%	-20.500%	-20.500%	-20.500%

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 8.4693	F .09004	F -.13597	F 1.1131	F -1.9488	F -.48982	F -5.279
Stddev	6.7213	.28364	.03499	6.9418	.0882	.30347	.113
%RSD	79.361	315.01	25.737	623.67	4.5231	61.955	2.140

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	50000.	500.00	1000.0	50000.	500.00	500.00	500.0
Range	-20.500%	-20.500%	-20.500%	-20.500%	-20.500%	-20.500%	-20.50%

Sample Name: lcs 240-87271/2-a Acquired: 5/29/2013 19:32:52 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F -.60919	F -.97207	F -.71320	F 2.9024	F -2.6837	F -1.4396	F -3.8337
Stddev	1.0525	.14866	.15037	.0741	.5159	.0302	3.9122
%RSD	172.78	15.294	21.084	2.5534	19.222	2.0950	102.05

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	2000.0	2000.0	1000.0	2000.0	500.00	500.00	1000.0
Range	-20.500%	-20.500%	-20.500%	-20.500%	-20.500%	-20.500%	-20.500%

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	F -.00462
Stddev	.76932
%RSD	16643.

Check ?	Chk Fail
Value	1000.0
Range	-20.500%

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	17154.	13559.	155130.	22886.
Stddev	130.	93.	3629.	1256.
%RSD	.75994	.68380	2.3395	5.4861

Sample Name: 240-24834-d-4-c Acquired: 5/29/2013 19:36:46 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.2520	-52.867	-1.3708	.13141	-1.0823	-.36168	-33.334	-.0898
Stddev	.1122	8.611	.5906	.03706	.0959	.01277	1.227	.0490
%RSD	8.9578	16.289	43.080	28.199	8.8590	3.5296	3.6809	54.59

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.41850	.35474	-1.4974	-2.4297	-74.882	-3.3818	10.618	.11690
Stddev	.08870	.23558	.4378	.3479	12.374	.2091	4.003	.43675
%RSD	21.193	66.409	29.240	14.319	16.525	6.1818	37.702	373.61

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.15756	-9.1004	-1.7264	-.37106	-5.583	-1.7012	-.89633	-.66384
Stddev	.04273	5.5909	.0356	.36558	.492	.6372	.05978	.08684
%RSD	27.117	61.436	2.0628	98.523	8.807	37.457	6.6690	13.081

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24834-d-4-c Acquired: 5/29/2013 19:36:46 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.7976	-2.5634	-1.4026	-4.9493	-.18324
Stddev	.3584	.8284	.0514	2.7092	.25012
%RSD	12.813	32.318	3.6673	54.738	136.50

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	W 16877.	W 13343.	W 157810.	W 22819.
Stddev	372.	286.	5269.	1066.
%RSD	2.2045	2.1453	3.3386	4.6727

Check ?	Chk Warn	Chk Warn	Chk Warn	Chk Warn
Value	237.36%	236.69%	239.67%	211.17%
Range	30.500%	30.500%	30.500%	30.500%

Sample Name: SD 240-24834-d-4-c@5 Acquired: 5/29/2013 19:40:39 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.49631	43.772	1.0503	66.877	5.3766	-.05734	51015.	.1450
Stddev	.32509	10.335	.4244	.404	.1528	.03844	55.	.0370
%RSD	65.503	23.610	40.406	.60387	2.8426	67.026	.10850	25.53

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.01958	.39412	-.51724	673.48	956.03	5.0495	14960.	650.26
Stddev	.05674	.25289	.55749	.51	11.45	.9019	26.	2.82
%RSD	289.72	64.164	107.78	.07625	1.1977	17.861	.17503	.43366

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.24641	1884.2	.32667	-.26218	-3.236	-.53893	-.20884	.18979
Stddev	.16829	5.8	.08134	1.3218	.522	.33290	.42822	.28582
%RSD	68.297	.30818	24.900	504.15	16.12	61.770	205.05	150.60

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: SD 240-24834-d-4-c@5 Acquired: 5/29/2013 19:40:39 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.9548	1.0123	2.6601	1595.3	216.74
Stddev	1.2898	.7456	.0238	5.9	2.22
%RSD	65.983	73.657	.89363	.36959	1.0228

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6985.6	5566.3	64420.	10997.
Stddev	41.3	31.1	314.	95.
%RSD	.59129	.55837	.48817	.86354

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.245%	98.736%	97.835%	101.77%
Range				

Sample Name: 240-24834-d-4-d.ms Acquired: 5/29/2013 19:44:30 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	52.343	2263.4	2035.2	1385.5	2088.7	49.174	282820.
Stddev	.581	12.6	7.6	3.5	2.6	.086	1375.
%RSD	1.1099	.55873	.37108	.25049	.12381	.17570	.48625

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	53.29	486.31	191.60	251.42	4047.0	55437.	1013.7
Stddev	.15	.62	1.23	.93	18.1	34.	4.0
%RSD	.2823	.12661	.64244	.37126	.44647	.06199	.39443

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	117050.	3301.3	973.05	60008.	487.21	467.85	512.6
Stddev	501.	4.0	1.34	80.	1.17	.68	2.5
%RSD	.42798	.12204	.13784	.13350	.24036	.14505	.4785

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24834-d-4-d ms Acquired: 5/29/2013 19:44:30 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2094.5	1996.3	1002.6	1931.8	495.18	491.39	8778.7
Stddev	7.6	8.5	4.2	3.8	1.33	.82	29.6
%RSD	.36450	.42808	.41851	.19686	.26948	.16670	.33670

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1936.6
Stddev	13.5
%RSD	.69946

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6192.5	5208.5	62179.	10795.
Stddev	12.5	14.4	328.	142.
%RSD	.20240	.27712	.52681	1.3192

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	87.091%	92.390%	94.433%	99.902%
Range				

Sample Name: CCV Acquired: 5/29/2013 19:48:27 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1012.5	24855.	496.05	5053.0	2026.7	1996.5	51077.	501.0
Stddev	2.9	55.	1.89	9.4	2.1	4.5	79.	.9
%RSD	.29043	.22038	.38079	.18584	.10413	.22566	.15470	.1759

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1941.8	1926.3	1958.6	24600.	50040.	4948.8	48828.	1943.6
Stddev	2.2	3.9	6.1	71.	88.	5.9	87.	4.2
%RSD	.11263	.20162	.31212	.28836	.17653	.11999	.17752	.21455

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1935.6	50574.	1936.1	477.06	501.6	505.68	5038.5	5009.5
Stddev	5.6	80.	2.2	.43	1.4	1.89	14.7	46.4
%RSD	.29105	.15805	.11108	.09009	.2727	.37430	.29181	.92672

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: CCV Acquired: 5/29/2013 19:48:27 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	984.76	1958.4	1955.3	5486.9	4825.2
Stddev	2.60	3.5	5.5	115.4	13.7
%RSD	.26374	.17930	.28176	2.1032	.28379

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6385.3	5376.6	62763.	10741.
Stddev	39.8	30.0	229.	39.
%RSD	.62341	.55869	.36449	.36371

Sample Name: CCB Acquired: 5/29/2013 19:52:14 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.89808	.83442	-.44446	9.7780	.43487	.53727	12.753	.0576
Stddev	1.9568	19.181	.64889	.7454	.99249	.78824	17.729	.2272
%RSD	217.89	2298.7	146.00	7.6236	228.23	146.71	139.02	394.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.14046	2.2708	1.2794	7.2669	248.28	5.2220	18.998	2.2981
Stddev	.03222	3.8861	3.7983	8.9627	15.00	1.3734	14.382	3.9520
%RSD	22.942	171.13	296.87	123.34	6.0436	26.301	75.703	171.97

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.7207	98.610	1.0415	-.80721	-2.599	-.29904	1.2082	7.3399
Stddev	.1729	17.962	2.5989	.58638	.694	.98304	.3562	9.8784
%RSD	10.046	18.215	249.53	72.643	26.71	328.73	29.483	134.58

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB Acquired: 5/29/2013 19:52:14 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.79918	.14446	.01105	36.956	1.3056
Stddev	.21352	1.4563	1.1229	15.963	4.9366
%RSD	26.718	1008.1	10158.	43.195	378.12

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7140.7	5676.3	64430.	10621.
Stddev	19.7	19.1	268.	81.
%RSD	.27572	.33734	.41555	.75941

Sample Name: 240-24834-d-4-e msd Acquired: 5/29/2013 19:56:10 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	52.395	2253.0	2023.1	1390.5	2089.0	48.832	283370.
Stddev	.367	15.8	7.1	3.3	2.7	.196	1062.
%RSD	.70106	.70237	.35087	.23747	.13021	.40095	.37493

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	53.15	483.36	192.20	250.99	4047.0	55391.	1011.2
Stddev	.10	.90	.23	.51	21.9	231.	2.9
%RSD	.1838	.18520	.11847	.20370	.54178	.41638	.28940

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	116800.	3307.7	969.82	59868.	552.66	464.60	516.1
Stddev	801.	8.4	2.54	240.	81.46	1.69	2.3
%RSD	.68612	.25397	.26242	.40031	14.740	.36355	.4435

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24834-d-4-e msd Acquired: 5/29/2013 19:56:10 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2092.5	1984.7	1002.4	1915.3	495.42	521.83	8855.8
Stddev	5.5	7.1	.9	6.9	1.49	44.27	36.4
%RSD	.26054	.35809	.09282	.35916	.30126	8.4838	.41160

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1934.4
Stddev	7.9
%RSD	.41045

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6110.2	5132.5	62107.	10882.
Stddev	150.3	134.0	58.	123.
%RSD	2.4602	2.6102	.09269	1.1348

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	85.934%	91.043%	94.323%	100.71%
Range				

Sample Name: 240-24742-j-1-d Acquired: 5/29/2013 20:00:05 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.14616	339.08	8.8598	719.40	17.806	.07739	112850.
Stddev	.36543	13.13	.0913	1.90	.141	.01242	1831.
%RSD	250.01	3.8734	1.0305	.26386	.79099	16.053	1.6223

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1510	-.03731	.96257	-.12060	15454.	18767.	74.702
Stddev	.0524	.23043	.49429	.64643	39.	83.	1.402
%RSD	34.69	617.55	51.352	536.03	.24985	.44113	1.8762

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	44322.	2302.9	3.7016	181870.	1.2898	-.23448	-1.718
Stddev	170.	16.1	.4090	408.	.0968	.19079	.464
%RSD	.38449	.70032	11.050	.22414	7.5030	81.366	26.98

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24742-j-1-d Acquired: 5/29/2013 20:00:05 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.24219	.95752	.51825	3.0730	.21866	7.0215	6823.7
Stddev	2.0540	.35691	.13722	1.1920	.47675	.0187	29.5
%RSD	848.11	37.275	26.478	38.788	218.03	.26595	.43262

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	444.03
Stddev	4.25
%RSD	.95778

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6448.8	5396.3	62651.	10930.
Stddev	24.1	23.2	162.	144.
%RSD	.37434	.42924	.25936	1.3204

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.696%	95.722%	95.149%	101.15%
Range				

Sample Name: 240-24742-h-1-b Acquired: 5/29/2013 20:04:22 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.53021	130.56	3.9232	727.17	17.605	.06247	115190.
Stddev	.71956	12.10	1.4486	3.68	2.955	.09686	2943.
%RSD	135.71	9.2687	36.924	.50611	16.782	155.06	2.5550

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2265	.35086	1.1309	-1.4426	8738.9	19121.	74.584
Stddev	.0739	.14004	.2823	.2463	167.8	266.	3.072
%RSD	32.64	39.913	24.965	17.072	1.9203	1.3917	4.1191

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	46056.	2347.7	1.8138	182120.	2.2440	-.14091	-2.580
Stddev	855.	20.2	.0436	4978.	.4593	.37875	1.734
%RSD	1.8573	.85849	2.4039	2.7336	20.467	268.79	67.21

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24742-h-1-b Acquired: 5/29/2013 20:04:22 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.80935	.09052	-.23369	2.1366	1.0592	2.9045	6348.5
Stddev	1.8139	.37899	.04263	.9678	.8598	.0215	44.6
%RSD	224.12	418.67	18.244	45.295	81.174	.74038	.70320

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	449.32
Stddev	6.40
%RSD	1.4235

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6309.1	5256.8	61118.	10511.
Stddev	71.5	55.0	666.	239.
%RSD	1.1332	1.0457	1.0898	2.2731

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	88.732%	93.247%	92.822%	97.268%
Range				

Sample Name: 240-24781-h-11-a Acquired: 5/29/2013 20:08:38 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.34104	37.691	2.0681	38.667	28.984	-.02087	^ *****
Stddev	.11988	11.745	.9801	.329	.228	.06714	-----
%RSD	35.151	31.161	47.389	.85039	.78810	321.66	-----

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5831	-.16631	.22323	k 2.8023	117.99	421.47	k 5.0944
Stddev	.0517	.10562	.30513	.6958	78.75	134.98	2.3608
%RSD	8.863	63.508	136.68	24.829	66.745	32.025	46.340

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5948.6	4.4655	.18510	^ *****	-.01529	k -.14962	-3.048
Stddev	327.9	.1877	.08693	-----	.42167	.80006	.428
%RSD	5.5116	4.2021	46.965	-----	2757.7	534.71	14.03

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24781-h-11-a Acquired: 5/29/2013 20:08:38 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.63056	-.22197	-.15491	1.1438	.08107	13.864	9081.2
Stddev	2.1491	.35260	.06433	.8357	1.9329	.079	44.1
%RSD	340.82	158.85	41.529	73.067	2384.1	.56863	.48617

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	58.355
Stddev	1.597
%RSD	2.7367

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7057.4	5629.6	66006.	11083.
Stddev	26.9	22.7	227.	48.
%RSD	.38160	.40354	.34443	.43021

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.256%	99.860%	100.25%	102.56%
Range				

Sample Name: 240-24781-b-12-a Acquired: 5/29/2013 20:12:30 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.10251	15.643	.13387	4.1287	.50312	-.02029	271.12	-.0429
Stddev	.31026	3.334	.51773	.6703	.08203	.06393	3.91	.0826
%RSD	302.66	21.314	386.74	16.234	16.304	315.02	1.4410	192.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.06976	.16121	-.41648	3.2937	107.98	1.3214	10.418	-.06716
Stddev	.13289	.25832	.61848	.4524	11.37	1.6930	10.450	.03987
%RSD	190.48	160.24	148.50	13.735	10.525	128.12	100.31	59.358

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.21554	628.49	-.09720	-.68829	-2.798	.27773	-.02027	-.63835
Stddev	.12670	10.97	.16944	.76465	.629	.98138	.24480	.10728
%RSD	58.782	1.7452	174.31	111.09	22.47	353.36	1207.4	16.806

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24781-b-12-a Acquired: 5/29/2013 20:12:30 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.1840	-.53525	.27804	1133.2	-.52012
Stddev	.4498	.74201	.12063	3.4	.69295
%RSD	37.992	138.63	43.386	.30361	133.23

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7147.6	5678.5	68518.	11191.
Stddev	9.4	3.8	181.	89.
%RSD	.13220	.06702	.26429	.79526

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.52%	100.73%	104.06%	103.56%
Range				

Sample Name: 240-24819-i-12-a Acquired: 5/29/2013 20:16:25 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .28130	-6.1849	1.9655	90.999	261.96	- .11396	105290.
Stddev	.19757	12.426	.5028	.266	.12	.06160	432.
%RSD	70.233	200.90	25.580	.29275	.04470	54.055	.41069

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2720	1.9216	.58359	.69573	9.2925	4645.9	-1.6209
Stddev	.1495	.3234	.36356	1.2290	.5512	49.3	.6486
%RSD	54.95	16.832	62.297	176.65	5.9322	1.0606	40.015

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	28596.	536.56	3.4111	35829.	6.3158	-1.8450	-3.572
Stddev	199.	1.31	.1021	116.	.1335	.4999	1.713
%RSD	.69416	.24353	2.9931	.32508	2.1143	27.097	47.97

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24819-i-12-a Acquired: 5/29/2013 20:16:25 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.81715	-.34796	-.51949	1.7924	-.02932	8.7893	5798.8
Stddev	1.2734	.42872	.10173	.2576	.80045	.1001	9.4
%RSD	155.83	123.21	19.582	14.375	2730.5	1.1392	.16190

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	691.73
Stddev	1.89
%RSD	.27350

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6631.3	5457.7	63904.	11063.
Stddev	29.2	22.7	170.	117.
%RSD	.44067	.41537	.26664	1.0539

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	93.262%	96.811%	97.053%	102.38%
Range				

Sample Name: 240-24819-i-13-a Acquired: 5/29/2013 20:20:24 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.25778	18.424	-.45752	2.7270	.70251	-.02502	306.68	-.0654
Stddev	.17442	9.712	2.1457	.2119	.15733	.00485	69.19	.1101
%RSD	67.663	52.715	468.99	7.7685	22.396	19.378	22.561	168.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.25771	.03774	-.88437	4.0640	53.448	1.4477	22.109	.01334
Stddev	.04422	.26770	.09452	.1747	45.001	.1687	24.524	.02495
%RSD	17.159	709.32	10.687	4.2998	84.195	11.650	110.92	187.09

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.25003	648.46	-.87453	-1.0759	-2.014	1.6115	-.34219	-.61422
Stddev	.00753	41.15	.10628	.5111	1.314	1.5009	.12651	.12336
%RSD	3.0115	6.3462	12.152	47.502	65.25	93.141	36.972	20.084

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24819-i-13-a Acquired: 5/29/2013 20:20:24 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.28188	.05506	1.3364	1113.3	-.29332
Stddev	.71588	1.0211	.0673	4.9	.93698
%RSD	253.97	1854.6	5.0346	.43838	319.44

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7164.5	5692.1	68390.	11207.
Stddev	32.4	22.0	160.	90.
%RSD	.45233	.38660	.23346	.80462

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.76%	100.97%	103.86%	103.71%
Range				

Sample Name: 240-24834-d-1-f Acquired: 5/29/2013 20:24:18 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.56955	4.7218	.88772	2.1459	.12347	-.03117	48.802	-.0594
Stddev	.24617	1.9353	1.7742	.1462	.17873	.03242	.728	.1003
%RSD	43.222	40.986	199.86	6.8148	144.76	104.00	1.4909	168.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.24721	.53980	-1.0819	32.589	83.192	1.2237	16.826	1.5979
Stddev	.05284	.20301	.6479	1.319	11.427	.4071	1.891	.0244
%RSD	21.373	37.608	59.888	4.0462	13.736	33.268	11.238	1.5297

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.33248	94.700	-.11576	.31443	-2.928	-1.2561	-.19746	-.26993
Stddev	.10410	12.990	.26488	.89023	.954	1.5934	.44658	.08237
%RSD	31.311	13.717	228.81	283.13	32.56	126.86	226.16	30.514

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24834-d-1-f Acquired: 5/29/2013 20:24:18 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.69912	1.5474	2.3576	43.585	-3.5404
Stddev	.11415	.8380	.0791	4.860	3.5591
%RSD	16.328	54.158	3.3555	11.151	100.53

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7134.7	5681.2	66269.	11199.
Stddev	25.4	17.0	423.	126.
%RSD	.35570	.29987	.63756	1.1289

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.34%	100.78%	100.64%	103.64%
Range				

Sample Name: 240-24834-d-3-a Acquired: 5/29/2013 20:28:12 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.55357	2001.8	2.6214	200.42	34.890	-.00478	79372.	.2808
Stddev	.16231	29.6	1.2706	.64	.255	.03955	1489.	.1159
%RSD	29.321	1.4776	48.470	.31899	.72975	828.08	1.8755	41.26

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.5577	9.4432	1.1264	3119.0	6245.4	25.126	61474.	297.13
Stddev	.2183	.0631	.8685	16.2	58.2	.486	519.	.75
%RSD	14.011	.66778	77.103	.52018	.93163	1.9341	.84418	.25176

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.82325	17998.	6.8220	.51733	-3.345	-.52681	.08479	23.870
Stddev	.06078	125.	.0765	.65975	.253	.13342	.40727	.754
%RSD	7.3827	.69391	1.1219	127.53	7.574	25.326	480.35	3.1578

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24834-d-3-a Acquired: 5/29/2013 20:28:12 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.0948	4.7112	46.091	7222.5	608.66
Stddev	1.3551	1.6543	.043	67.3	1.02
%RSD	123.78	35.113	.09258	.93200	.16679

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6633.0	5456.9	63938.	11150.
Stddev	9.6	4.0	479.	125.
%RSD	.14451	.07331	.74858	1.1193

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	93.286%	96.796%	97.104%	103.18%
Range				

Sample Name: 240-24834-d-2-h Acquired: 5/29/2013 20:32:09 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.18393	1402.9	4.0440	260.10	80.949	.03334	59817.	.2416
Stddev	.65550	10.7	2.1750	.65	.147	.04078	3.	.0851
%RSD	356.38	.76280	53.782	.25133	.18159	122.33	.00546	35.24

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.4280	3.0753	1.1815	3617.9	6522.0	76.962	13344.	2787.2
Stddev	.3116	.2096	.7970	6.0	21.3	.881	47.	2.6
%RSD	12.833	6.8154	67.457	.16546	.32677	1.1453	.34935	.09155

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.1895	6365.9	8.1059	.78685	-3.384	1.3312	-.47367	25.224
Stddev	.1001	26.9	.2745	.93667	1.172	.1426	.51816	.952
%RSD	8.4139	.42268	3.3865	119.04	34.64	10.712	109.39	3.7734

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24834-d-2-h Acquired: 5/29/2013 20:32:09 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.9006	4.5368	41.598	10690.	329.43
Stddev	.2082	.5277	.083	14.	1.25
%RSD	7.1784	11.632	.20014	.13288	.38038

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6955.6	5609.8	66301.	10961.
Stddev	10.8	16.5	448.	60.
%RSD	.15543	.29339	.67639	.54569

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.824%	99.509%	100.69%	101.43%
Range				

Sample Name: CCV Acquired: 5/29/2013 20:36:07 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1007.3	24900.	498.43	5056.5	2017.1	2003.7	51236.	501.6
Stddev	1.1	45.	1.59	5.1	2.4	4.7	79.	.4
%RSD	.11234	.17986	.31872	.10148	.11898	.23529	.15432	.0778

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1943.5	1915.7	1948.5	24817.	50260.	4967.7	49492.	1952.2
Stddev	1.7	5.2	2.3	93.	95.	6.5	240.	4.0
%RSD	.08902	.26983	.11594	.37296	.18984	.13080	.48487	.20281

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1935.5	50815.	1936.7	478.31	499.7	505.17	5027.8	5028.5
Stddev	4.5	82.	4.9	1.17	.5	2.86	6.4	52.9
%RSD	.23420	.16165	.25301	.24398	.1100	.56539	.12687	1.0517

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: CCV Acquired: 5/29/2013 20:36:07 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	984.33	1964.2	1957.0	5467.7	4865.3
Stddev	3.26	2.4	2.6	125.8	22.5
%RSD	.33162	.12298	.13471	2.3007	.46312

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6378.1	5368.6	62587.	10368.
Stddev	5.9	6.2	281.	80.
%RSD	.09232	.11617	.44888	.77270

Sample Name: CCB Acquired: 5/29/2013 20:39:54 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.46793	-6.1216	.97744	11.622	.04033	.02452	-9.4845	.3419
Stddev	.37630	9.4785	.21366	6.710	.00704	.01517	1.1561	.5978
%RSD	80.418	154.84	21.859	57.735	17.460	61.894	12.189	174.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.3372	-.02970	-.87109	-.15804	155.92	3.3019	3.3812	-.04788
Stddev	2.1167	.28917	.41133	.69169	43.68	1.0930	3.3291	.02469
%RSD	158.29	973.53	47.220	437.65	28.014	33.104	98.461	51.557

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.8711	24.299	1.1367	-1.3357	-1.845	-.61599	4.2611	1.2795
Stddev	2.0932	3.005	2.2673	.5324	.773	2.3159	5.7924	.1482
%RSD	72.906	12.366	199.47	39.858	41.92	375.96	135.94	11.579

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB Acquired: 5/29/2013 20:39:54 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.6095	1.8606	.42284	13.124	-1.0713
Stddev	1.3992	1.9979	2.1196	6.490	.3646
%RSD	86.936	107.38	501.27	49.453	34.037

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7020.9	5559.0	65813.	10778.
Stddev	9.2	8.9	613.	165.
%RSD	.13087	.16047	.93125	1.5339

Sample Name: 240-24834-d-5-a Acquired: 5/29/2013 20:43:50 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.12165	254.27	3.9366	558.25	18.872	-.29500	434610.
Stddev	.21895	2.21	.8445	.20	.141	.03138	2585.
%RSD	179.99	.87111	21.454	.03579	.74542	10.637	.59472

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.6443	22.373	3.8569	-2.6520	8065.4	9949.9	88.679
Stddev	.0287	.124	.1151	.2488	30.2	45.5	1.754
%RSD	4.448	.55201	2.9853	9.3800	.37432	.45695	1.9781

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	127830.	6506.9	-.34019	17809.	76.578	-.21540	-4.808
Stddev	375.	87.7	.18266	54.	.576	1.1914	1.988
%RSD	.29296	1.3478	53.694	.30213	.75202	553.12	41.35

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24834-d-5-a Acquired: 5/29/2013 20:43:50 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.15678	.62997	3.0650	5.2758	-.22693	F 11827.	13736.
Stddev	1.3197	.49939	.4487	.8715	1.1176	22.	23.
%RSD	841.76	79.273	14.640	16.519	492.47	.18276	.16837

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						10000.	
Low Limit						-500000.	

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1719.3
Stddev	5.0
%RSD	.28891

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6254.3	5196.5	62330.	10902.
Stddev	8.9	4.6	645.	60.
%RSD	.14201	.08864	1.0355	.55141

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	87.960%	92.177%	94.662%	100.89%
Range				

Sample Name: 240-24834-d-6-a Acquired: 5/29/2013 20:47:56 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.65772	4235.0	13.425	223.53	70.272	-.10565	489320.
Stddev	.58591	17.6	.951	1.60	.023	.02025	2789.
%RSD	89.083	.41556	7.0831	.71585	.03314	19.168	.56994

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.7782	55.452	1353.4	46.691	32364.	6422.2	15.397
Stddev	.0578	.245	3.4	.687	161.	70.0	.839
%RSD	7.431	.44180	.25157	1.4711	.49862	1.0898	5.4485

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	302580.	F 20511.	37.738	71876.	734.68	10.261	-4.309
Stddev	1190.	145.	.282	150.	4.34	.558	.493
%RSD	.39333	.70615	.74714	.20873	.59104	5.4401	11.45

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		15000.					
Low Limit		-500000.					

Sample Name: 240-24834-d-6-a Acquired: 5/29/2013 20:47:56 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.2351	1.8078	75.840	11.874	17.792	90.234	15699.
Stddev	1.4977	.0681	5.555	.324	.355	23.583	13.
%RSD	28.608	3.7690	7.3243	2.7250	1.9958	26.136	.08033

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1585.4
Stddev	5.2
%RSD	.32827

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6051.3	5132.4	61950.	10816.
Stddev	45.9	32.0	195.	26.
%RSD	.75910	.62313	.31424	.24166

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	85.105%	91.040%	94.085%	100.09%
Range				

Sample Name: 240-24834-d-7-a Acquired: 5/29/2013 20:51:59 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-42600	176.54	2.0936	363.43	17.045	-20874	283300.
Stddev	.18751	8.94	1.7534	.61	.260	.04628	8323.
%RSD	44.017	5.0630	83.751	.16686	1.5282	22.171	2.9379

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.6357	2.6765	2.2398	-2.4581	518.17	10868.	70.893
Stddev	.0388	.2793	.1057	.8855	1.52	30.	1.449
%RSD	6.107	10.434	4.7200	36.024	.29371	.27392	2.0443

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	76656.	385.96	.13850	13540.	20.548	-1.0583	-4.200
Stddev	261.	1.18	.10354	9.	2.021	1.6160	.987
%RSD	.34029	.30652	74.754	.06566	9.8344	152.69	23.50

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24834-d-7-a Acquired: 5/29/2013 20:51:59 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.51735	.00910	1.8634	2.7779	-.03318	835.85	9380.9
Stddev	1.4659	.33981	.0863	.4516	1.4480	5.07	15.9
%RSD	283.35	3735.4	4.6338	16.255	4363.7	.60649	.16958

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1078.1
Stddev	2.3
%RSD	.21678

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6522.5	5355.3	63236.	11039.
Stddev	22.4	17.9	582.	30.
%RSD	.34414	.33351	.92017	.26829

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.732%	94.994%	96.037%	102.16%
Range				

Sample Name: mb 240-87263/1-a Acquired: 5/29/2013 20:55:57 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-0.06506	2.7544	.09015	2.5701	.02972	-.02144	^ *****
Stddev	.23449	22.930	1.6647	.2827	.14493	.01012	-----
%RSD	360.42	832.48	1846.6	10.998	487.58	47.207	-----

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0341	-.12035	.06383	k -.52666	26.774	111.82	k 1.1530
Stddev	.0447	.05584	.21744	.66707	44.725	83.54	1.3313
%RSD	131.1	46.403	340.64	126.66	167.04	74.710	115.46

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	568.63	.29581	-.32299	125.47	-.69647	k -.33359	-2.837
Stddev	970.84	.04618	.10421	193.14	.15025	.39504	1.723
%RSD	170.73	15.612	32.266	153.93	21.573	118.42	60.71

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: mb 240-87263/1-a Acquired: 5/29/2013 20:55:57 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.80809	-.35622	-.56383	.81388	-.87307	3.7979	69.127
Stddev	1.5285	.47286	.13423	.31090	.51860	.1492	97.496
%RSD	189.15	132.75	23.806	38.199	59.400	3.9273	141.04

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	5.3942
Stddev	9.1104
%RSD	168.89

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7157.2	5671.2	67752.	10848.
Stddev	17.8	11.9	184.	202.
%RSD	.24851	.20969	.27177	1.8662

Sample Name: lcs 240-87263/2-a Acquired: 5/29/2013 20:59:52 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	52.137	2004.5	2019.5	1048.5	2074.7	50.859	51828.	52.95
Stddev	.159	18.8	8.8	5.6	2.5	.177	78.	.31
%RSD	.30445	.93739	.43607	.53807	.12126	.34898	.15003	.5890

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	496.05	196.27	251.42	1009.9	51209.	988.30	49862.	507.18
Stddev	1.40	.24	1.08	3.0	36.	3.98	132.	1.55
%RSD	.28130	.12457	.42914	.29962	.06978	.40261	.26401	.30556

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	994.78	51805.	498.28	490.23	509.7	2085.4	2006.6	1024.7
Stddev	4.14	99.	1.54	1.58	1.7	8.9	1.7	1.1
%RSD	.41614	.19177	.30997	.32151	.3370	.42591	.08259	.10267

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: lcs 240-87263/2-a Acquired: 5/29/2013 20:59:52 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	TI1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2001.5	511.20	508.52	1090.0	966.85
Stddev	8.2	2.06	.62	13.5	1.47
%RSD	.40884	.40322	.12211	1.2424	.15245

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6546.9	5420.6	64579.	10990.
Stddev	26.5	16.2	85.	100.
%RSD	.40435	.29883	.13195	.91251

Sample Name: 240-24781-x-2-a Acquired: 5/29/2013 21:03:30 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.69561	.97516	2.9875	1263.9	7783.2	-.20983
Stddev	.27732	5.9817	.9743	1.4	127.8	.02872
%RSD	39.867	613.40	32.612	.11401	1.6414	13.688

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	305620.	.2155	-.43959	.51402	-1.9538	473.38
Stddev	2057.	.0556	.12613	.20179	.6415	.90
%RSD	.67294	25.81	28.693	39.257	32.833	.18965

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24038.	681.57	101310.	169.34	1.0945	F 1450300.
Stddev	83.	3.03	523.	.98	.2644	10546.
%RSD	.34549	.44423	.51607	.57737	24.157	.72714

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500000.
Low Limit						-500000.

Sample Name: 240-24781-x-2-a Acquired: 5/29/2013 21:03:30 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.9362	-1.2011	-2.652	.36905	1.3213	-.57944
Stddev	.2746	1.4051	2.063	1.7061	.2737	.01778
%RSD	9.3530	116.99	77.79	462.30	20.713	3.0693

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.6061	-.06793	33.043	3309.6	9316.8
Stddev	.6844	2.6054	.152	5.4	42.4
%RSD	42.613	3835.5	.45894	.16244	.45530

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5301.0	4717.6	54128.	10177.
Stddev	22.2	15.6	243.	113.
%RSD	.41907	.33008	.44847	1.1112

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	74.553%	83.683%	82.206%	94.178%
Range				

Sample Name: SD 240-24781-x-2-a@5 Acquired: 5/29/2013 21:07:45 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.75570	7.8996	1.8086	249.62	^ *****	.00481	^ *****
Stddev	.18403	29.175	1.4223	.74	-----	.14597	-----
%RSD	24.353	369.32	78.643	.29498	-----	3035.4	-----

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1170	-.32291	.36608	k -.55892	101.94	4902.7	k 146.43
Stddev	.0217	.18039	.24251	.49683	7.55	386.3	12.94
%RSD	18.52	55.862	66.246	88.892	7.4107	7.8789	8.8366

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21884.	35.090	-.01573	440230.	.45121	k -.36411	-1.798
Stddev	1062.	.107	.13673	7172.	.27104	1.5108	1.306
%RSD	4.8537	.30406	869.13	1.6291	60.069	414.93	72.62

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: SD 240-24781-x-2-a@5 Acquired: 5/29/2013 21:07:45 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.19846	-.17871	-.26700	.86556	.34005	6.2874	695.93
Stddev	.24811	.29265	.04091	.83614	1.8864	.1075	38.35
%RSD	125.02	163.75	15.323	96.601	554.75	1.7104	5.5112

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	2015.8
Stddev	106.9
%RSD	5.3009

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6118.7	5192.1	58581.	10244.
Stddev	51.4	47.6	128.	199.
%RSD	.84060	.91610	.21782	1.9443

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	86.053%	92.100%	88.968%	94.795%
Range				

Sample Name: 240-24781-x-2-b.ms Acquired: 5/29/2013 21:11:45 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	54.575	1977.5	2099.6	2268.5	9598.6	48.642
Stddev	.364	24.0	3.0	2.3	86.3	.101
%RSD	.66627	1.2148	.14053	.10146	.89899	.20807

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	341420.	54.36	501.12	190.11	249.99	1428.0
Stddev	833.	.16	1.55	1.11	1.53	6.9
%RSD	.24407	.2989	.30965	.58222	.61023	.48171

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	75594.	1685.4	146920.	654.93	959.15	F 1401700.
Stddev	109.	4.6	453.	1.07	1.86	11886.
%RSD	.14456	.27306	.30837	.16387	.19410	.84801

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500000.
Low Limit						-500000.

Sample Name: 240-24781-x-2-b.ms Acquired: 5/29/2013 21:11:45 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	502.42	447.84	521.6	2120.2	2031.7	1002.1
Stddev	2.17	3.09	1.0	2.1	8.2	.6
%RSD	.43197	.69067	.1974	.09893	.40318	.05537

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1819.3	492.04	539.09	4326.1	9969.6
Stddev	7.1	2.87	2.68	20.2	45.0
%RSD	.39061	.58280	.49767	.46648	.45114

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5212.2	4670.2	53298.	10150.
Stddev	21.2	13.5	346.	41.
%RSD	.40586	.28918	.65003	.40026

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	73.304%	82.842%	80.944%	93.930%
Range				

Sample Name: 240-24781-x-2-c msd Acquired: 5/29/2013 21:15:49 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	56.844	2059.0	2159.5	2323.5	9715.7	50.013
Stddev	.254	23.3	3.1	2.7	66.2	.136
%RSD	.44635	1.1325	.14336	.11818	.68106	.27179

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	350440.	55.88	512.84	194.76	259.85	1462.4
Stddev	764.	.16	.56	.64	.24	6.4
%RSD	.21803	.2785	.10958	.32847	.09068	.43593

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	77402.	1724.6	150720.	666.10	984.69	F 1397500.
Stddev	86.	3.4	583.	1.32	2.51	17576.
%RSD	.11170	.19599	.38692	.19751	.25458	1.2576

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500000.
Low Limit						-500000.

Sample Name: 240-24781-x-2-c msd Acquired: 5/29/2013 21:15:49 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	514.11	459.33	539.7	2177.5	2086.5	1026.2
Stddev	.38	2.15	4.7	4.1	2.1	1.4
%RSD	.07424	.46782	.8781	.18941	.10021	.13754

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1858.0	505.60	548.29	4422.2	10188.
Stddev	5.6	2.91	1.87	9.3	23.
%RSD	.30139	.57526	.34182	.21102	.22997

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5222.0	4681.3	53954.	9998.0
Stddev	15.7	18.1	124.	46.1
%RSD	.30029	.38684	.23072	.46076

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	73.443%	83.038%	81.941%	92.524%
Range				

Sample Name: 240-24781-h-1-a Acquired: 5/29/2013 21:19:53 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.1036	42.030	12.199	1219.3	4812.2	.66330
Stddev	.1712	34.428	.180	1.4	257.5	1.2241
%RSD	15.512	81.913	1.4729	.11819	5.3505	184.54

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	99474.	-.0321	.00005	.66010	-.39508	36.643
Stddev	4123.	.0460	.06927	.05789	.83162	36.063
%RSD	4.1444	143.5	140820.	8.7697	210.49	98.416

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14946.	312.66	35080.	124.37	13.586	F 1089500.
Stddev	1384.	34.99	2521.	.23	.256	45023.
%RSD	9.2615	11.190	7.1859	.18688	1.8814	4.1326

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500000.
Low Limit						-500000.

Sample Name: 240-24781-h-1-a Acquired: 5/29/2013 21:19:53 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.9807	-.70728	6.805	2.0476	1.3857	.37481
Stddev	.2167	.36281	2.480	1.0448	.3399	.55614
%RSD	4.3499	51.297	36.45	51.023	24.529	148.38

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.2774	6.9728	8.5813	3939.1	3397.5
Stddev	.9719	11.225	.0631	31.0	142.1
%RSD	42.677	160.98	.73530	.78628	4.1832

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5660.7	4963.2	56148.	10392.
Stddev	12.3	12.6	231.	315.
%RSD	.21667	.25447	.41181	3.0263

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	79.612%	88.040%	85.273%	96.174%
Range				

Sample Name: CCV Acquired: 5/29/2013 21:24:12 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	997.87	24880.	496.71	5031.5	2003.8	2016.4	51190.	497.7
Stddev	.86	61.	1.32	15.5	4.7	2.5	74.	2.3
%RSD	.08589	.24677	.26543	.30805	.23468	.12629	.14418	.4537

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1939.6	1908.7	1937.7	25008.	50170.	4998.2	49663.	1950.1
Stddev	13.5	2.5	1.1	69.	114.	9.6	146.	5.5
%RSD	.69486	.13138	.05454	.27464	.22767	.19119	.29429	.28338

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1932.8	49406.	1934.3	474.19	498.8	501.04	4986.5	5028.5
Stddev	10.4	325.	13.9	4.12	1.1	2.57	35.2	4.1
%RSD	.53943	.65700	.71912	.86843	.2297	.51248	.70519	.08075

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: CCV Acquired: 5/29/2013 21:24:12 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	984.76	1965.9	1956.1	5375.5	4883.9
Stddev	5.08	4.4	17.9	90.4	13.4
%RSD	.51557	.22481	.91614	1.6819	.27506

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6440.1	5423.4	63573.	10594.
Stddev	44.8	34.8	189.	91.
%RSD	.69486	.64189	.29762	.85865

Sample Name: CCB Acquired: 5/29/2013 21:27:59 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.18989	165.50	1.2595	12.154	^ *****	F 13.886	^ *****
Stddev	.21030	291.49	.1514	3.876	-----	23.830	-----
%RSD	110.75	176.13	12.023	31.893	-----	171.62	-----

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						1.0000	
Low Limit						-1.0000	

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2751	.63888	.08565	k -.88209	F 169.63	655.94	k 41.713
Stddev	.3214	1.3305	.02590	.70572	293.19	596.56	59.542
%RSD	116.8	208.25	30.240	80.006	172.84	90.948	142.74

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit					100.00		
Low Limit					-100.00		

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	441.57	-.01879	2.5868	^ *****	.47153	k -.52865	-2.156
Stddev	760.08	.01390	1.4706	-----	1.4448	.75714	1.392
%RSD	172.13	73.969	56.850	-----	306.40	143.22	64.54

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: CCB Acquired: 5/29/2013 21:27:59 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.8970	3.2699	1.2752	1.5867	F 14.256	.01310	59.892
Stddev	1.2564	3.0119	.1942	.9428	24.540	1.3856	84.781
%RSD	66.229	92.110	15.231	59.416	172.13	10574.	141.56

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit					5.0000		
Low Limit					-5.0000		

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	45.817
Stddev	79.296
%RSD	173.07

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7171.2	5668.1	66274.	10680.
Stddev	11.6	11.2	195.	146.
%RSD	.16124	.19736	.29486	1.3690

Sample Name: 240-24781-h-3-a Acquired: 5/29/2013 21:31:56 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.62069	75.725	4.0641	873.66	773.39	-.02670	61695.
Stddev	.95762	7.627	.8257	12.65	7.66	.03221	589.
%RSD	154.28	10.073	20.316	1.4485	.99032	120.62	.95408

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0012	2.7142	1.1470	3.4562	132.16	8083.6	150.90
Stddev	.2041	.2231	.8992	.8175	1.64	84.9	3.25
%RSD	17100.	8.2200	78.394	23.652	1.2386	1.0509	2.1525

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20318.	33.285	2.2160	441720.	9.7077	-.14359	-2.529
Stddev	192.	.746	.1366	2757.	.1794	.41909	.954
%RSD	.94576	2.2413	6.1620	.62404	1.8478	291.86	37.71

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24781-h-3-a Acquired: 5/29/2013 21:31:56 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.3531	.09123	2.0100	2.0116	.68371	22.135	3053.4
Stddev	2.0943	.52698	2.3379	.7814	.53228	.506	30.6
%RSD	154.78	577.61	116.31	38.845	77.851	2.2859	1.0022

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1539.0
Stddev	13.5
%RSD	.87702

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6214.8	5273.9	58950.	9993.8
Stddev	100.5	85.0	552.	37.1
%RSD	1.6171	1.6120	.93610	.37132

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	87.404%	93.550%	89.528%	92.484%
Range				

Sample Name: 240-24781-h-4-a Acquired: 5/29/2013 21:35:54 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.1527	31.413	3.7302	1080.6	3491.0	-.12347
Stddev	.5902	6.823	.9800	5.2	4.1	.03926
%RSD	51.206	21.719	26.273	.47863	.11755	31.801

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	112150.	.1137	-.00252	.82687	.31584	199.67
Stddev	922.	.1083	.31199	.39382	.98753	2.56
%RSD	.82198	95.29	12385.	47.628	312.67	1.2804

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14381.	372.16	42417.	98.250	.31747	F 1173100.
Stddev	73.	2.44	180.	.124	.20326	11790.
%RSD	.50711	.65582	.42352	.12629	64.026	1.0050

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500000.
Low Limit						-500000.

Sample Name: 240-24781-h-4-a Acquired: 5/29/2013 21:35:54 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.4305	-.46059	-1.774	-1.5580	.21203	-.41950
Stddev	.3365	.71136	1.465	.3516	.41788	.07733
%RSD	23.519	154.44	82.57	22.567	197.08	18.434

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.1411	.43327	23.578	3691.1	3868.2
Stddev	.7335	1.2113	.228	10.6	25.5
%RSD	64.276	279.57	.96830	.28730	.66020

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5700.4	4993.4	56668.	10344.
Stddev	39.3	26.2	129.	31.
%RSD	.68904	.52479	.22790	.29989

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	80.171%	88.574%	86.064%	95.727%
Range				

Sample Name: 240-24781-h-5-a Acquired: 5/29/2013 21:40:07 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.3573	26.240	2.8732	828.21	846.37	-.05317	38552.
Stddev	.2074	5.122	1.5718	2.01	2.70	.02754	90.
%RSD	15.280	19.519	54.704	.24214	.31893	51.791	.23472

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0141	-.38153	.27168	-.70417	10.826	5454.7	97.508
Stddev	.1706	.30110	.27550	.66192	.637	55.0	1.379
%RSD	1206.	78.919	101.41	94.000	5.8822	1.0080	1.4140

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13990.	52.045	.09769	241230.	.77548	-.43827	-1.324
Stddev	73.	.093	.15726	2630.	.27828	1.5303	2.346
%RSD	.52462	.17893	160.98	1.0904	35.885	349.18	177.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24781-h-5-a Acquired: 5/29/2013 21:40:07 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .82955	.13561	- .25688	.75648	2.6063	4.6991	4031.4
Stddev	.86376	.44568	.24397	.11929	1.3392	.1599	20.2
%RSD	104.12	328.64	94.974	15.769	51.381	3.4034	.50038

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	827.32
Stddev	3.10
%RSD	.37423

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6121.3	5116.1	58647.	9724.4
Stddev	60.5	52.9	405.	60.3
%RSD	.98765	1.0342	.69096	.62023

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	86.090%	90.751%	89.068%	89.992%
Range				

Sample Name: 240-24781-h-6-a Acquired: 5/29/2013 21:44:07 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.86631	22.308	3.8856	1065.3	2343.7	-.14627
Stddev	.13167	14.602	.5547	2.5	2.3	.02454
%RSD	15.199	65.456	14.276	.23776	.09758	16.780

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	218680.	.1714	.33731	.60926	-2.5067	252.89
Stddev	856.	.0255	.09678	.22270	1.1080	1.53
%RSD	.39152	14.86	28.691	36.552	44.203	.60557

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	22400.	594.08	82339.	177.89	4.9543	F 1675100.
Stddev	100.	1.26	211.	.36	.1679	62041.
%RSD	.44658	.21271	.25648	.20048	3.3898	3.7036

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500000.
Low Limit						-500000.

Sample Name: 240-24781-h-6-a Acquired: 5/29/2013 21:44:07 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.7375	-87847	-1.325	-1.7109	-.23512	-.75166
Stddev	.4066	1.7191	1.117	1.5927	.20921	.04625
%RSD	14.853	195.70	84.34	93.092	88.981	6.1533

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.7250	-1.0954	6.8604	3023.2	7385.8
Stddev	.0714	.2647	.2179	4.9	34.7
%RSD	4.1380	24.166	3.1762	.16250	.47016

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5251.7	4710.8	53503.	9808.2
Stddev	42.0	20.5	310.	57.1
%RSD	.79892	.43472	.57908	.58212

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	73.860%	83.562%	81.257%	90.767%
Range				

Sample Name: 240-24781-h-7-a Acquired: 5/29/2013 21:48:14 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.65076	-1.2510	2.0215	175.04	^ *****	-.10235	118290.
Stddev	.21826	19.934	.4430	1.16	-----	.03705	3718.
%RSD	33.540	1593.5	21.911	.66145	-----	36.201	3.1432

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1797	-.13674	.75583	-.02660	9.2380	2779.5	45.499
Stddev	.2383	.08654	.17957	.61784	4.4802	312.0	10.525
%RSD	132.6	63.284	23.759	2322.5	48.498	11.224	23.132

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	43112.	10.151	8.6100	^ *****	1.1848	-1.3331	-1.955
Stddev	398.	.035	.2692	-----	.1699	.0828	2.367
%RSD	.92399	.34839	3.1268	-----	14.336	6.2077	121.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24781-h-7-a Acquired: 5/29/2013 21:48:14 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .86226	.24174	- .61719	2.0174	.53257	13.293	6642.3
Stddev	.97193	.43450	.08962	.3260	1.2192	.127	172.8
%RSD	112.72	179.74	14.520	16.161	228.93	.95765	2.6010

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1028.9
Stddev	108.0
%RSD	10.492

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6665.9	5476.1	63445.	10527.
Stddev	57.6	36.8	103.	267.
%RSD	.86337	.67174	.16273	2.5395

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	93.749%	97.137%	96.356%	97.415%
Range				

Sample Name: 240-24781-h-8-a Acquired: 5/29/2013 21:52:12 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.63445	5.2197	1.4389	41.067	19.362	-.10261	125470.
Stddev	.45383	21.393	.4753	.376	.345	.02837	2333.
%RSD	71.531	409.86	33.034	.91506	1.7819	27.644	1.8589

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2296	.28945	.66118	-.67005	17.105	1338.9	22.896
Stddev	.1272	.07154	.09032	.25995	.496	7.4	1.633
%RSD	55.38	24.717	13.660	38.796	2.8986	.55022	7.1324

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	40468.	76.374	2.2372	14254.	1.7773	-.63926	-4.409
Stddev	79.	.124	.1016	94.	.0784	1.3093	1.780
%RSD	.19443	.16284	4.5416	.66295	4.4101	204.82	40.38

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24781-h-8-a Acquired: 5/29/2013 21:52:12 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.0266	.04618	-.49187	1.1845	.07573	18.118	6616.0
Stddev	1.1040	.09961	.04787	.7192	.32754	.153	3.4
%RSD	107.54	215.71	9.7326	60.718	432.52	.84353	.05077

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	265.68
Stddev	1.47
%RSD	.55410

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6818.2	5557.6	63672.	10495.
Stddev	51.4	37.2	136.	34.
%RSD	.75331	.67007	.21399	.32493

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.891%	98.583%	96.700%	97.122%
Range				

Sample Name: 240-24781-h-9-a Acquired: 5/29/2013 21:56:12 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .41877	1.8934	1.6732	38.186	27.429	-.07353	^ *****
Stddev	.09277	7.1672	1.0854	.273	1.918	.03041	-----
%RSD	22.153	378.53	64.867	.71617	6.9916	41.355	-----

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3439	-.09771	.32626	k -.55046	44.005	314.37	k 5.7994
Stddev	.0730	.05696	.27858	.97329	1.877	68.04	2.1428
%RSD	21.23	58.290	85.386	176.81	4.2665	21.642	36.949

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6500.2	1.4435	.18395	^ *****	.25721	k -.96599	-3.947
Stddev	910.0	.0172	.09590	-----	.21904	.71956	1.199
%RSD	13.999	1.1892	52.132	-----	85.162	74.489	30.39

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24781-h-9-a Acquired: 5/29/2013 21:56:12 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.70193	-.10989	-.30854	.59258	1.0674	8.4280	9338.6
Stddev	.52803	.26208	.13678	.37224	1.6423	.0868	163.4
%RSD	75.226	238.50	44.331	62.817	153.86	1.0297	1.7497

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	70.329
Stddev	15.044
%RSD	21.391

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7117.8	5664.9	66216.	10945.
Stddev	25.9	17.6	123.	211.
%RSD	.36330	.30985	.18515	1.9268

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.10%	100.49%	100.56%	101.29%
Range				

Sample Name: 240-24781-h-10-a Acquired: 5/29/2013 22:00:04 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.01811	8.4267	1.5513	162.84	15.015	-.41403	410720.
Stddev	.06674	4.3612	.4520	3.86	.056	.04953	5327.
%RSD	368.54	51.754	29.138	2.3706	.37044	11.962	1.2970

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4793	.37351	.68632	-2.0204	169.60	2217.7	-.55685
Stddev	.1608	.13342	.06225	.5455	.64	31.2	.20324
%RSD	33.54	35.720	9.0703	26.999	.37930	1.4080	36.498

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124370.	96.191	.03402	48552.	123.68	-1.0674	-5.062
Stddev	771.	.182	.28381	133.	158.24	.7842	1.619
%RSD	.62007	.18876	834.18	.27440	127.95	73.470	31.98

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24781-h-10-a Acquired: 5/29/2013 22:00:04 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.4074	-.02230	-1.0815	2.7391	.64647	62.104	6429.0
Stddev	.8171	.47267	.1294	1.6329	1.0280	65.921	7.5
%RSD	58.059	2119.9	11.964	59.614	159.02	106.15	.11663

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	740.65
Stddev	5.06
%RSD	.68341

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6165.6	5090.7	62924.	10686.
Stddev	258.6	220.5	91.	99.
%RSD	4.1945	4.3321	.14427	.92608

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	86.713%	90.301%	95.563%	98.888%
Range				

Sample Name: 240-24819-i-2-a Acquired: 5/29/2013 22:04:02 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.0335	111.08	17.699	35.051	338.69	-.04530	^ *****
Stddev	.5034	3.04	.884	1.000	6.62	.02092	-----
%RSD	48.712	2.7395	4.9940	2.8543	1.9550	46.183	-----

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2056	.26712	.64385	k -.58817	5278.9	1453.5	k 3.5605
Stddev	.1052	.29919	.26482	1.0427	116.0	21.6	4.3185
%RSD	51.18	112.01	41.130	177.28	2.1966	1.4886	121.29

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	34551.	91.051	3.2794	11713.	5.8911	k -.39919	-.5256
Stddev	742.	.671	.1593	458.	9.6890	1.1755	1.249
%RSD	2.1477	.73724	4.8564	3.9141	164.47	294.46	237.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24819-i-2-a Acquired: 5/29/2013 22:04:02 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.36672	-.22805	2.3649	1.2728	2.7910	7.6590	6603.6
Stddev	.58452	.44014	1.1837	.9271	.9054	4.1455	11.8
%RSD	159.39	193.00	50.052	72.837	32.441	54.126	.17882

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1121.7
Stddev	10.0
%RSD	.89243

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6743.4	5512.2	59190.	9364.2
Stddev	206.2	169.0	265.	269.8
%RSD	3.0577	3.0657	.44790	2.8808

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.839%	97.777%	89.893%	86.658%
Range				

Sample Name: 240-24819-i-3-a Acquired: 5/29/2013 22:07:54 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-42337	9.6489	1.3192	69.120	136.94	-14324	70321.	.0181
Stddev	.06950	7.7282	1.4475	.673	.32	.06141	96.	.1436
%RSD	16.416	80.094	109.73	.97343	.23349	42.875	.13654	795.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-10092	.28698	-.74517	16.905	3191.0	.08019	27601.	1.2236
Stddev	.09215	.09136	.31103	1.638	12.1	1.0346	70.	.0224
%RSD	91.308	31.834	41.739	9.6891	.38029	1290.2	.25417	1.8317

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.0733	41178.	9.5275	-1.0262	-1.676	.45971	-.29834	-.49689
Stddev	.0644	64.	13.873	.6001	.848	.35564	.50126	.03744
%RSD	2.0941	.15503	145.61	58.481	50.58	77.362	168.02	7.5352

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24819-i-3-a Acquired: 5/29/2013 22:07:54 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.6784	.25018	8.0303	3438.8	749.81
Stddev	.9104	.54827	4.7768	14.1	3.24
%RSD	54.239	219.15	59.485	.40951	.43147

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6756.2	5527.5	65473.	11017.
Stddev	21.2	9.2	366.	53.
%RSD	.31391	.16606	.55893	.48205

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.019%	98.048%	99.435%	101.95%
Range				

Sample Name: CCV Acquired: 5/29/2013 22:11:47 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	999.08	25106.	503.69	5090.7	2014.2	2053.3	51859.	503.1
Stddev	.86	38.	.59	7.1	1.1	2.8	158.	.5
%RSD	.08596	.14985	.11628	.13947	.05390	.13548	.30489	.0924

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1974.9	1919.5	1943.2	25441.	50649.	5054.4	50676.	1973.4
Stddev	1.4	.6	4.2	54.	52.	4.0	264.	1.9
%RSD	.07171	.03060	.21796	.21374	.10202	.07921	.52121	.09587

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1953.0	51320.	1993.9	483.96	501.3	505.69	5079.4	5056.5
Stddev	2.6	97.	36.7	.77	.1	2.81	8.5	10.0
%RSD	.13419	.18809	1.8430	.15847	.0131	.55551	.16777	.19685

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: CCV Acquired: 5/29/2013 22:11:47 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	TI1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	997.91	1985.8	2014.0	5354.7	4972.1
Stddev	.84	4.7	12.0	67.7	7.3
%RSD	.08450	.23656	.59816	1.2639	.14594

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6431.3	5428.2	64290.	10620.
Stddev	33.7	34.0	101.	131.
%RSD	.52444	.62622	.15781	1.2289

Sample Name: CCB Acquired: 5/29/2013 22:15:34 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.1363	8.9080	.95904	7.7324	.28916	-.02211	-9.5487
Stddev	6.4758	30.385	2.4739	.6591	.07733	.01662	1.3567
%RSD	206.48	341.10	257.95	8.5236	26.743	75.153	14.208

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0262	-.29198	F 6.9837	F 6.3209	.17885	158.32	3.5241
Stddev	.0524	.17390	11.709	12.700	.28427	51.77	.8839
%RSD	199.5	59.558	167.66	200.92	158.94	32.696	25.081

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			5.0000	5.0000			
Low Limit			-5.0000	-5.0000			

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.8025	7.1149	1.5036	154.72	-.01439	-.95995	-3.629
Stddev	7.8233	12.489	.1056	27.93	.27054	.91899	.386
%RSD	434.04	175.54	7.0203	18.053	1880.6	95.733	10.65

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: CCB Acquired: 5/29/2013 22:15:34 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.82282	.84070	19.134	.71779	-.08160	-.75380	9.6414
Stddev	.29108	.55788	31.543	.28289	.84624	.07040	4.8471
%RSD	35.375	66.359	164.86	39.411	1037.1	9.3389	50.273

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	-.07936
Stddev	1.1641
%RSD	1466.9

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7227.6	5722.7	66986.	10267.
Stddev	15.7	13.3	317.	36.
%RSD	.21675	.23281	.47285	.35297

Sample Name: 240-24819-i-4-a Acquired: 5/29/2013 22:19:29 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .77951	38.528	6.7381	134.11	496.07	.29954	102580.
Stddev	.50947	7.825	.7163	.17	4.53	.68619	1708.
%RSD	65.358	20.311	10.630	.13040	.91283	229.09	1.6651

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1933	.23677	.52434	-1.2711	10648.	6724.0	.50774
Stddev	.0841	.31244	.13705	.4785	139.	48.6	3.1346
%RSD	43.52	131.96	26.137	37.644	1.3064	.72332	617.37

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	31330.	183.13	4.5117	41807.	2.3102	-1.5948	-3.211
Stddev	361.	.55	.1178	431.	.2767	1.1103	.357
%RSD	1.1520	.30232	2.6119	1.0320	11.978	69.616	11.12

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24819-i-4-a Acquired: 5/29/2013 22:19:29 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.13115	.58881	-.14315	1.5081	.70049	6.6217	7083.2
Stddev	.63313	.71968	.15893	.6030	1.6496	.0593	62.6
%RSD	482.77	122.23	111.02	39.982	235.49	.89569	.88407

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	790.47
Stddev	8.85
%RSD	1.1196

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6688.0	5509.8	64090.	10560.
Stddev	14.2	2.5	150.	21.
%RSD	.21238	.04592	.23332	.19736

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.060%	97.735%	97.335%	97.725%
Range				

Sample Name: 240-24819-i-5-a Acquired: 5/29/2013 22:23:28 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.19974	25.934	9.1339	42.792	238.25	-.11777	87283.	.1866
Stddev	.16400	6.810	.9071	.297	.29	.02523	1349.	.0991
%RSD	82.109	26.257	9.9313	.69508	.12150	21.421	1.5450	53.08

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.27848	.50776	-1.0389	2009.9	1721.7	-.76569	31144.	60.019
Stddev	.08062	.06898	.2280	11.4	18.7	.68481	169.	.185
%RSD	28.951	13.586	21.949	.56894	1.0884	89.436	.54405	.30809

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.1898	11873.	.04616	-1.5158	-3.512	-.25553	.07123	.20810
Stddev	.0408	34.	.21725	1.0668	.895	.95917	.26880	.22898
%RSD	1.8654	.28374	470.65	70.379	25.48	375.36	377.36	110.04

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24819-i-5-a Acquired: 5/29/2013 22:23:28 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.5072	-.81983	4.9270	5639.5	956.37
Stddev	.4047	1.2844	.1557	14.8	1.79
%RSD	26.852	156.66	3.1590	.26195	.18758

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6846.3	5573.0	64212.	10927.
Stddev	33.4	26.9	549.	159.
%RSD	.48757	.48264	.85524	1.4576

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.286%	98.855%	97.520%	101.12%
Range				

Sample Name: 240-24819-i-6-a Acquired: 5/29/2013 22:27:28 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.77319	47.799	30.663	198.51	687.22	-.12816	109520.
Stddev	.20543	2.876	.377	.54	1.51	.03510	2088.
%RSD	26.569	6.0171	1.2310	.27393	.22000	27.389	1.9067

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1776	.15900	.79772	-1.1477	14364.	12226.	2.2291
Stddev	.1206	.07365	.29600	.4653	47.	54.	1.4260
%RSD	67.89	46.318	37.106	40.543	.32853	.44067	63.972

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	34968.	83.554	7.5917	44162.	3.3581	-.76888	-2.550
Stddev	201.	.050	.0836	85.	.2704	.73216	1.152
%RSD	.57567	.05947	1.1011	.19211	8.0522	95.224	45.16

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24819-i-6-a Acquired: 5/29/2013 22:27:28 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.3369	-.04034	.17249	1.4876	.59466	10.519	9410.5
Stddev	.5053	.56083	.08245	.6984	.61545	.027	4.4
%RSD	37.798	1390.3	47.804	46.948	103.50	.25213	.04644

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	789.90
Stddev	6.64
%RSD	.84057

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6704.3	5552.8	65072.	10938.
Stddev	25.9	18.5	172.	124.
%RSD	.38569	.33244	.26376	1.1337

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.290%	98.497%	98.826%	101.22%
Range				

Sample Name: 240-24819-i-7-a Acquired: 5/29/2013 22:31:25 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-56002	2.3511	14.825	88.925	354.65	-.13472	93251.	.1688
Stddev	.31422	18.374	.703	.360	.51	.02904	272.	.0877
%RSD	56.109	781.51	4.7450	.40521	.14334	21.556	.29215	51.98

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.3765	.51614	-.29310	6322.9	4360.6	-.82130	26811.	225.99
Stddev	.1026	.22849	.19989	30.9	7.2	.35154	176.	1.23
%RSD	7.4544	44.269	68.198	.48931	.16519	42.803	.65787	.54408

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.2027	39850.	3.2465	-.81001	-1.526	1.5823	-.23338	-.54997
Stddev	.1084	67.	.1871	1.2991	.284	2.0046	.11894	.04870
%RSD	2.0827	.16739	5.7630	160.38	18.64	126.69	50.962	8.8545

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24819-i-7-a Acquired: 5/29/2013 22:31:25 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.2512	-.27075	4.7742	6815.3	692.93
Stddev	.3096	1.3188	.1020	30.5	2.76
%RSD	13.755	487.08	2.1359	.44814	.39876

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6815.2	5580.2	65990.	10894.
Stddev	77.4	63.7	797.	209.
%RSD	1.1350	1.1419	1.2079	1.9153

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.849%	98.983%	100.22%	100.81%
Range				

Sample Name: 240-24819-i-8-a Acquired: 5/29/2013 22:35:24 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-54091	34.150	17.835	161.82	611.93	-1.1662	122130.
Stddev	.37737	8.011	.938	.34	.55	.02433	2147.
%RSD	69.767	23.459	5.2620	.20795	.09006	20.863	1.7583

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0106	.02994	.65829	-2.4613	12397.	9023.9	.45606
Stddev	.0659	.12014	.19577	.3105	84.	35.6	.81531
%RSD	620.1	401.21	29.740	12.616	.67493	.39417	178.77

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	37635.	101.13	6.1598	46188.	2.5358	-1.7724	-2.402
Stddev	221.	.16	.1555	166.	.3365	1.4017	.900
%RSD	.58674	.16212	2.5240	.36017	13.270	79.083	37.48

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24819-i-8-a Acquired: 5/29/2013 22:35:24 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .35721	.07856	- .16262	2.4265	1.0234	6.3861	9046.8
Stddev	2.3644	1.0140	.09331	.0605	1.8808	.1100	20.4
%RSD	661.93	1290.8	57.376	2.4949	183.77	1.7227	.22572

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	813.75
Stddev	7.63
%RSD	.93772

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6667.7	5516.7	63740.	10262.
Stddev	10.5	4.5	53.	123.
%RSD	.15725	.08185	.08243	1.2018

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	93.775%	97.858%	96.804%	94.968%
Range				

Sample Name: 240-24819-i-9-a Acquired: 5/29/2013 22:39:22 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.70725	26.495	10.813	104.87	654.57	-.15111	118640.
Stddev	.16013	16.073	1.243	.37	1.93	.03983	2784.
%RSD	22.641	60.662	11.495	.35429	.29515	26.362	2.3465

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0981	-.21045	.69939	-1.9880	13691.	6210.0	.58686
Stddev	.0773	.18409	.35869	.4950	28.	17.1	1.0044
%RSD	78.75	87.477	51.286	24.902	.20680	.27604	171.15

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	31469.	155.22	5.7680	38411.	2.0253	-1.0353	-3.185
Stddev	89.	.24	.1185	104.	.0948	1.4995	1.391
%RSD	.28343	.15581	2.0535	.27125	4.6821	144.83	43.68

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24819-i-9-a Acquired: 5/29/2013 22:39:22 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.1426	-.27062	-.23401	2.2162	-.76178	11.330	7753.8
Stddev	1.3701	.21363	.15015	.7374	1.5016	.043	25.8
%RSD	119.90	78.940	64.164	33.274	197.12	.37912	.33268

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	767.44
Stddev	2.62
%RSD	.34100

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6847.7	5651.3	64984.	10794.
Stddev	13.9	4.9	81.	103.
%RSD	.20339	.08713	.12403	.95018

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.306%	100.24%	98.693%	99.889%
Range				

Sample Name: 240-24819-i-10-a Acquired: 5/29/2013 22:43:19 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-41274	10.068	10.940	103.34	652.31	-15301	118110.
Stddev	.38663	11.455	1.418	.33	.80	.02926	1387.
%RSD	93.676	113.78	12.962	.32200	.12273	19.123	1.1745

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0674	-.09762	.89979	-2.5688	13472.	6130.1	.17788
Stddev	.0246	.15813	.20732	.3013	45.	24.6	1.1897
%RSD	36.58	161.99	23.041	11.727	.33367	.40101	668.85

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	30885.	152.06	5.7550	38006.	1.4112	-1.3108	-3.823
Stddev	53.	.15	.1449	46.	.3097	.5354	.799
%RSD	.17261	.10112	2.5177	.11978	21.944	40.847	20.89

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24819-i-10-a Acquired: 5/29/2013 22:43:19 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.33174	.16526	-.12035	2.2790	.56880	4.7461	7703.2
Stddev	1.4907	.37866	.12778	.6796	2.5661	.0690	22.1
%RSD	449.35	229.14	106.17	29.821	451.14	1.4545	.28635

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	751.31
Stddev	1.42
%RSD	.18964

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6787.9	5604.2	65361.	10797.
Stddev	20.5	21.1	186.	38.
%RSD	.30149	.37630	.28522	.34924

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.464%	99.409%	99.265%	99.921%
Range				

Sample Name: 240-24819-i-11-a Acquired: 5/29/2013 22:47:19 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .63953	8.2580	8.6441	30.563	420.62	-.09622	89313.	.1930
Stddev	.41651	5.4182	.5262	.034	1.11	.03204	293.	.0734
%RSD	65.128	65.612	6.0872	.11139	.26483	33.298	.32803	38.02

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.34546	.51673	-1.2569	2821.3	1547.1	-1.8555	34228.	109.95
Stddev	.05604	.31787	1.0922	10.5	9.8	.4246	164.	.29
%RSD	16.222	61.516	86.890	.37355	.63110	22.884	.47963	.26004

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.5629	7928.0	.26636	-.50669	-3.408	-1.0141	.09259	-.47795
Stddev	.1392	18.8	.06328	1.5590	.428	2.0168	.21975	.03871
%RSD	5.4294	.23683	23.757	307.69	12.55	198.88	237.35	8.1000

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24819-i-11-a Acquired: 5/29/2013 22:47:19 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.7927	-1.3354	5.2303	6263.7	717.39
Stddev	.2365	.4029	.0305	30.3	2.95
%RSD	13.192	30.174	.58333	.48442	.41121

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6859.3	5588.0	64998.	10439.
Stddev	14.0	12.7	246.	150.
%RSD	.20390	.22669	.37799	1.4386

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.469%	99.121%	98.713%	96.609%
Range				

Sample Name: mb 240-87266/1-a Acquired: 5/29/2013 22:51:20 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .21088	9.1999	1.4857	.95188	.77812	-.07914	182.93
Stddev	.15315	6.6386	1.2382	.01905	.19884	.03187	3.72
%RSD	72.622	72.159	83.345	2.0013	25.554	40.270	2.0322

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0690	-.15264	-.06283	-.32827	10.902	41.956	-.07595
Stddev	.0797	.10632	.26286	.38350	.251	19.615	1.0700
%RSD	115.5	69.656	418.34	116.82	2.3067	46.752	1408.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	56.628	.07459	-.15620	171.16	-.12878	-1.1348	-3.033
Stddev	5.729	.02082	.04046	32.19	.24029	.9558	2.052
%RSD	10.117	27.911	25.903	18.805	186.58	84.226	67.64

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: mb 240-87266/1-a Acquired: 5/29/2013 22:51:20 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.80170	-.28211	-.45651	.97303	.46855	F 30.738	10.952
Stddev	.42260	.13664	.19031	.70328	1.1254	.168	4.678
%RSD	52.713	48.435	41.687	72.278	240.19	.54617	42.718

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						20.000	
Low Limit						-1000.0	

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	-1.3693
Stddev	3.1308
%RSD	228.64

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7242.5	5773.7	68324.	10937.
Stddev	34.3	31.7	136.	54.
%RSD	.47296	.54986	.19899	.49412

Sample Name: lcs 240-87266/2-a Acquired: 5/29/2013 22:55:13 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	46.456	1862.1	1848.4	954.96	1865.2	47.793	48416.	48.02
Stddev	.272	6.5	5.7	1.77	1.2	.173	14.	.22
%RSD	.58562	.34860	.30913	.18543	.06200	.36103	.02979	.4593

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	458.24	180.34	225.34	964.31	47224.	918.17	47851.	471.73
Stddev	2.51	1.14	.76	5.13	58.	1.49	73.	.50
%RSD	.54849	.63120	.33659	.53242	.12315	.16228	.15270	.10516

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	902.18	48039.	462.61	450.87	462.4	1900.4	1839.1	939.87
Stddev	1.50	60.	1.69	2.08	3.0	7.4	9.1	.38
%RSD	.16653	.12526	.36525	.46215	.6530	.38988	.49541	.04006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: lcs 240-87266/2-a Acquired: 5/29/2013 22:55:13 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	TI1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1845.5	468.03	503.27	991.56	912.36
Stddev	7.2	1.42	3.37	7.16	2.76
%RSD	.39188	.30425	.66910	.72210	.30222

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6688.6	5555.9	64990.	10722.
Stddev	50.7	34.3	208.	74.
%RSD	.75876	.61752	.31956	.69398

Sample Name: CCV Acquired: 5/29/2013 22:58:52 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	987.15	24938.	501.80	5037.2	1979.0	2059.5	51774.	496.3
Stddev	2.83	64.	4.14	9.6	4.1	4.7	164.	1.2
%RSD	.28708	.25781	.82479	.18975	.20509	.22935	.31701	.2320

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1952.9	1914.8	1917.5	25621.	50547.	5055.3	51295.	1969.0
Stddev	7.1	2.2	3.8	62.	256.	11.3	177.	2.5
%RSD	.36356	.11251	.19854	.24049	.50678	.22261	.34461	.12595

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1934.7	51301.	1951.2	477.61	497.7	506.87	5005.6	5003.1
Stddev	5.4	166.	7.7	2.40	1.7	5.44	20.8	41.2
%RSD	.27971	.32439	.39335	.50272	.3346	1.0733	.41627	.82394

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: CCV Acquired: 5/29/2013 22:58:52 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	991.10	1976.5	1985.5	5300.1	4998.2
Stddev	1.70	5.0	12.3	91.3	10.4
%RSD	.17105	.25509	.61972	1.7233	.20761

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6597.9	5569.9	64293.	10455.
Stddev	27.8	22.6	54.	83.
%RSD	.42063	.40595	.08464	.79519

Sample Name: CCB Acquired: 5/29/2013 23:02:39 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.22436	.11912	1.5752	7.7934	.10511	.05717	.47224	-.0476
Stddev	.50984	.78135	1.1894	.7214	.08952	.02138	.73509	.0506
%RSD	227.24	655.92	75.507	9.2564	85.162	37.389	155.66	106.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.20372	-.18694	-.01394	-1.0206	137.05	1.8403	-1.9728	-.05819
Stddev	.17334	.18575	.08169	.5131	28.86	.3512	12.863	.04679
%RSD	85.085	99.364	586.07	50.270	21.059	19.084	651.98	80.402

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.6704	125.17	.06746	-1.2521	-1.724	.87038	1.3557	1.0215
Stddev	.1768	25.70	.23261	.6904	.565	2.8056	.2446	.0803
%RSD	10.582	20.532	344.84	55.135	32.74	322.34	18.042	7.8571

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB Acquired: 5/29/2013 23:02:39 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.03302	.06478	-.16799	3.5299	-.86542
Stddev	.15608	.63028	.05031	1.2546	1.4397
%RSD	472.67	972.95	29.951	35.543	166.36

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7211.5	5724.0	67322.	10952.
Stddev	21.2	17.4	192.	169.
%RSD	.29349	.30317	.28560	1.5461

Sample Name: 240-24764-h-3-a Acquired: 5/29/2013 23:06:32 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.28840	16.202	2.1721	145.06	40.195	-.09384	108030.
Stddev	.13918	2.550	.7635	.67	.178	.02031	800.
%RSD	48.259	15.737	35.149	.46477	.44178	21.641	.74017

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0365	-.14313	2.2868	8.3200	2.9818	3487.6	-1.0967
Stddev	.0670	.22954	.1893	.5305	1.0003	37.1	1.2536
%RSD	183.3	160.36	8.2784	6.3765	33.546	1.0645	114.31

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18467.	.70017	3.2656	4012.8	.74887	.08182	-3.058
Stddev	79.	.26686	.2715	25.7	.36984	.10120	1.335
%RSD	.42539	38.113	8.3143	.64071	49.386	123.69	43.67

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24764-h-3-a Acquired: 5/29/2013 23:06:32 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.4712	.54591	.28766	.55622	.67131	20.921	8571.7
Stddev	1.3577	.26327	.77979	.40768	.39461	.165	20.0
%RSD	54.939	48.227	271.08	73.295	58.782	.78777	.23325

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	207.74
Stddev	1.64
%RSD	.78946

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6886.1	5595.4	65985.	10679.
Stddev	45.2	33.9	505.	107.
%RSD	.65704	.60601	.76536	1.0017

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.845%	99.254%	100.21%	98.824%
Range				

Sample Name: SD 240-24764-h-3-a@5 Acquired: 5/29/2013 23:10:30 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.26822	5.1502	1.3289	31.187	8.4762	-.08686	22709.	.0753
Stddev	.40721	18.835	.6803	.498	.1792	.04093	33.	.0815
%RSD	151.82	365.72	51.194	1.5953	2.1137	47.123	.14557	108.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.25337	.37386	.72330	-1.1721	694.67	1.0817	3873.0	.02494
Stddev	.25362	.23998	.15312	.7991	24.54	1.2338	2.3	.03009
%RSD	100.10	64.192	21.170	68.177	3.5320	114.06	.05856	120.64

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.61248	896.30	.16514	-.55585	-2.457	1.9887	.06603	-.27617
Stddev	.00956	20.27	.10464	.11854	.571	.5395	.12610	.02152
%RSD	1.5612	2.2615	63.363	21.325	23.22	27.126	190.98	7.7908

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: SD 240-24764-h-3-a@5 Acquired: 5/29/2013 23:10:30 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.26969	.14035	3.4819	1773.1	40.987
Stddev	1.0894	.68356	.0916	4.0	1.305
%RSD	403.95	487.05	2.6320	.22348	3.1853

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7162.8	5714.6	66338.	10306.
Stddev	39.6	23.6	362.	28.
%RSD	.55336	.41286	.54519	.27634

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.74%	101.37%	100.75%	95.378%
Range				

Sample Name: 240-24764-h-3-b.ms Acquired: 5/29/2013 23:14:23 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	51.367	2035.9	2048.4	1206.3	2088.1	52.508	161870.
Stddev	.244	14.3	7.9	1.9	1.1	.050	1546.
%RSD	.47472	.70239	.38450	.15974	.05107	.09499	.95477

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	53.11	503.04	198.94	257.24	1050.9	55599.	1015.3
Stddev	.14	1.43	.97	.49	2.9	22.	2.1
%RSD	.2593	.28351	.48981	.19133	.27473	.04004	.21079

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	70607.	516.48	999.02	56861.	505.85	487.31	512.1
Stddev	152.	1.08	3.55	73.	2.15	.97	1.5
%RSD	.21594	.20949	.35513	.12847	.42571	.19931	.2845

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24764-h-3-b ms Acquired: 5/29/2013 23:14:23 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2085.8	2043.2	1034.3	1997.9	515.29	541.61	9935.7
Stddev	4.5	3.5	1.4	7.2	2.28	1.61	12.9
%RSD	.21756	.16991	.13528	.36098	.44225	.29745	.12939

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1201.4
Stddev	2.4
%RSD	.19603

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6512.1	5494.5	63617.	10567.
Stddev	16.0	9.7	195.	49.
%RSD	.24506	.17575	.30578	.46078

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.586%	97.462%	96.616%	97.787%
Range				

Sample Name: 240-24764-h-3-c msd Acquired: 5/29/2013 23:18:09 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50.853	2020.1	2041.2	1204.1	2070.4	52.329	162280.
Stddev	.434	18.0	2.9	2.9	6.3	.082	1019.
%RSD	.85277	.89062	.14044	.24251	.30320	.15610	.62775

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	52.67	502.13	198.12	254.43	1049.8	55361.	1011.5
Stddev	.14	.75	.34	.42	3.2	201.	2.4
%RSD	.2584	.14970	.17264	.16351	.30824	.36375	.23417

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	70398.	515.18	996.57	56616.	504.78	487.15	510.8
Stddev	242.	.62	.74	220.	.60	.71	2.1
%RSD	.34353	.12096	.07421	.38842	.11965	.14642	.4168

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24764-h-3-c msd Acquired: 5/29/2013 23:18:09 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2075.4	2034.4	1029.6	1996.7	507.41	532.19	9848.8
Stddev	1.7	4.8	1.6	1.2	2.51	.67	21.9
%RSD	.08232	.23483	.15778	.06222	.49451	.12574	.22276

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1201.7
Stddev	.4
%RSD	.03660

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6476.7	5462.8	63030.	10488.
Stddev	9.1	2.3	71.	102.
%RSD	.14025	.04142	.11236	.97239

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.088%	96.902%	95.725%	97.058%
Range				

Sample Name: 240-24764-g-3-a Acquired: 5/29/2013 23:21:56 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.77772	2009.4	1.3982	147.23	53.322	-.09054	110750.
Stddev	.32426	16.6	.7026	.38	.109	.04131	2647.
%RSD	41.694	.82367	50.250	.25671	.20442	45.631	2.3903

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3028	.94282	7.3668	19.815	4075.5	3957.5	-.65148
Stddev	.0926	.19089	.1428	.613	6.5	35.5	.35010
%RSD	30.56	20.246	1.9379	3.0929	.15948	.89655	53.739

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19590.	51.284	4.3288	4220.2	2.9119	.30917	-1.185
Stddev	22.	.053	.0935	7.6	.2905	1.3327	1.195
%RSD	.11215	.10317	2.1595	.18005	9.9769	431.07	100.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24764-g-3-a Acquired: 5/29/2013 23:21:56 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.2725	1.6399	123.52	2.2604	11.665	26.101	12554.
Stddev	.2119	.3737	.16	.2163	2.439	.080	12.
%RSD	6.4744	22.786	.13332	9.5670	20.906	.30658	.09346

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	211.38
Stddev	4.14
%RSD	1.9570

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6869.8	5623.9	64998.	10724.
Stddev	7.2	10.1	149.	23.
%RSD	.10518	.17935	.22973	.21544

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.617%	99.759%	98.714%	99.240%
Range				

Sample Name: 240-24764-g-4-a Acquired: 5/29/2013 23:25:52 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.0846	31227.	8.2455	408.17	306.16	1.1411	302290.
Stddev	.2725	631.	.4329	.46	7.42	.3349	2240.
%RSD	25.121	2.0222	5.2499	.11263	2.4243	29.348	.74088

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.9250	19.048	49.192	43.541	36819.	9879.0	105.13
Stddev	.0551	.094	.476	.676	934.	78.7	2.21
%RSD	5.956	.49356	.96768	1.5528	2.5367	.79689	2.1052

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	126940.	816.28	1.5875	14550.	45.326	13.230	-3.939
Stddev	2865.	1.07	.1152	11.	.335	1.993	1.901
%RSD	2.2567	.13113	7.2555	.07445	.73891	15.060	48.27

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24764-g-4-a Acquired: 5/29/2013 23:25:52 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.0233	2.6999	1569.6	2.1264	91.678	114.51	40645.
Stddev	.9666	.5680	1.3	.6938	1.247	.64	2523.
%RSD	10.712	21.037	.08241	32.629	1.3600	.55940	6.2071

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	414.22
Stddev	5.00
%RSD	1.2068

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6372.6	5655.5	64670.	10604.
Stddev	29.3	19.7	275.	143.
%RSD	.45960	.34882	.42506	1.3453

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	89.625%	100.32%	98.216%	98.130%
Range				

Sample Name: 240-24764-h-4-a Acquired: 5/29/2013 23:29:48 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .82317	8.1660	1.2149	426.68	53.887	- .15699	154590.
Stddev	.56444	4.2826	1.6807	1.62	.116	.03274	1768.
%RSD	68.569	52.445	138.33	.37880	.21471	20.856	1.1438

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3430	- .02108	4.3621	8.3303	2.8592	3543.6	92.787
Stddev	.0796	.12509	.1993	.6042	.6619	24.7	2.179
%RSD	23.20	593.47	4.5699	7.2529	23.149	.69648	2.3480

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	71547.	1.5999	1.4231	12202.	1.5682	- .60181	-4.056
Stddev	116.	.7561	.1516	9.	.2218	1.0112	2.007
%RSD	.16198	47.262	10.652	.07070	14.142	168.02	49.47

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24764-h-4-a Acquired: 5/29/2013 23:29:48 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.7391	.41168	.90887	2.1692	1.3280	19.402	11901.
Stddev	1.5686	.38119	1.4926	.9337	1.0392	.126	15.
%RSD	17.949	92.593	164.22	43.045	78.254	.64761	.12323

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	279.46
Stddev	3.52
%RSD	1.2608

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6758.6	5568.0	64369.	10531.
Stddev	18.0	10.8	238.	66.
%RSD	.26596	.19370	.36959	.62323

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.052%	98.767%	97.759%	97.456%
Range				

Sample Name: 240-24764-g-5-a Acquired: 5/29/2013 23:33:46 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.3063	30907.	8.5162	413.07	293.21	1.0375	294910.
Stddev	.6583	109.	.2021	.19	.18	.0038	5361.
%RSD	50.395	.35416	2.3730	.04661	.06255	.37023	1.8178

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.7827	20.531	50.345	44.959	38512.	9197.1	105.68
Stddev	.0676	.118	.205	.323	176.	59.4	.44
%RSD	8.639	.57689	.40763	.71858	.45746	.64594	.41640

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	126890.	835.53	1.2237	14501.	48.362	12.201	-6.208
Stddev	626.	1.31	.0515	72.	.479	1.399	1.793
%RSD	.49310	.15723	4.2052	.49512	.99105	11.463	28.89

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24764-g-5-a Acquired: 5/29/2013 23:33:46 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.5365	2.2944	1674.4	1.8148	92.944	124.47	36960.
Stddev	1.1172	.3117	1.0	.2918	1.164	.56	2037.
%RSD	17.092	13.585	.06053	16.080	1.2526	.44817	5.5111

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	402.41
Stddev	2.45
%RSD	.60784

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6395.6	5694.0	65073.	10856.
Stddev	17.4	13.5	118.	102.
%RSD	.27272	.23640	.18063	.93777

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	89.947%	101.00%	98.828%	100.46%
Range				

Sample Name: 240-24764-h-5-a Acquired: 5/29/2013 23:37:43 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .78719	-2.1267	1.4071	423.03	53.904	- .17373	151830.
Stddev	.32726	2.9391	1.5965	1.27	.077	.01665	1416.
%RSD	41.574	138.20	113.46	.30121	.14257	9.5850	.93270

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3457	- .23772	4.6642	14.546	5.7738	3487.8	94.624
Stddev	.1306	.25415	.1350	.326	1.3402	5.6	.748
%RSD	37.77	106.91	2.8946	2.2414	23.211	.16064	.79008

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	71284.	1.4053	1.2136	12193.	2.0601	-1.0539	-2.983
Stddev	179.	.0395	.0596	22.	.2771	.8022	1.276
%RSD	.25167	2.8122	4.9101	.17987	13.451	76.116	42.77

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24764-h-5-a Acquired: 5/29/2013 23:37:43 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.0867	-.17849	.30343	1.7027	1.1970	42.587	11855.
Stddev	2.3751	.43356	.06673	.5687	1.6393	.224	38.
%RSD	29.371	242.90	21.993	33.400	136.95	.52709	.31728

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	277.60
Stddev	1.92
%RSD	.69131

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6731.3	5542.7	63761.	10631.
Stddev	32.7	20.6	367.	48.
%RSD	.48567	.37182	.57602	.44721

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.669%	98.318%	96.835%	98.385%
Range				

Sample Name: 240-24794-a-2-a Acquired: 5/29/2013 23:41:41 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.82467	12.968	4.5656	90.732	163.40	-.14580	79434.	.1924
Stddev	.24842	8.059	.7106	1.061	.56	.04298	260.	.0483
%RSD	30.124	62.144	15.564	1.1695	.34575	29.479	.32724	25.09

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.20741	.81671	3.2168	429.33	4654.6	.73639	36011.	263.81
Stddev	.06111	.30118	.6255	3.17	44.6	.51306	143.	.45
%RSD	29.462	36.878	19.445	.73864	.95847	69.672	.39742	.16900

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	56.094	54148.	1.9040	.36268	-3.912	.45913	.34119	.23642
Stddev	.391	101.	.2510	.49163	1.101	.47739	.17552	.11398
%RSD	.69650	.18596	13.183	135.55	28.14	103.98	51.443	48.208

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24794-a-2-a Acquired: 5/29/2013 23:41:41 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.2550	-.32855	13.586	7363.1	371.92
Stddev	.1777	2.1085	.163	8.9	.31
%RSD	14.155	641.74	1.1984	.12026	.08401

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6775.8	5567.3	64593.	10680.
Stddev	39.7	34.7	186.	100.
%RSD	.58535	.62397	.28795	.94091

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.295%	98.755%	98.099%	98.837%
Range				

Sample Name: CCV Acquired: 5/29/2013 23:45:36 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	988.02	25158.	501.72	5072.0	1978.7	2083.6	52422.
Stddev	.34	7.	2.03	2.3	1.6	2.7	7.
%RSD	.03483	.02650	.40463	.04501	.08256	.13058	.01363

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	498.8	1976.0	1936.1	1915.2	26040.	50894.	5080.0
Stddev	.6	2.3	11.1	4.7	66.	112.	11.6
%RSD	.1245	.11814	.57187	.24447	.25451	.22055	.22926

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	52468.	2004.7	1954.0	51736.	1975.6	483.87	494.3
Stddev	131.	6.3	4.1	44.	2.8	1.73	1.8
%RSD	.24948	.31601	.20742	.08423	.14300	.35819	.3697

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Sample Name: CCV Acquired: 5/29/2013 23:45:36 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	503.55	5035.5	5041.5	1000.1	1994.8	2018.4	F 5820.8
Stddev	2.21	7.7	60.6	1.6	2.2	7.9	182.0
%RSD	.43791	.15371	1.2013	.15533	.11020	.39144	3.1273

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value							5000.0
Range							10.500%

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	5078.6
Stddev	14.4
%RSD	.28301

Check ?	Chk Pass
Value	
Range	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6601.6	5573.1	63578.	10237.
Stddev	37.1	39.9	972.	23.
%RSD	.56164	.71683	1.5293	.22417

Sample Name: CCB Acquired: 5/29/2013 23:49:23 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .54253	1.5356	.23974	7.7082	.06929	.00536	-1.6460	-.0516
Stddev	.18456	5.1756	1.6259	.3535	.16326	.08214	3.0272	.1661
%RSD	34.019	337.04	678.19	4.5855	235.62	1533.5	183.91	321.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .11914	.00492	-.71230	-.76725	67.295	2.1855	3.3316	-.13131
Stddev	.18382	.27873	.85575	.59644	19.458	1.8723	8.7082	.03939
%RSD	154.29	5659.6	120.14	77.737	28.914	85.670	261.38	30.001

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.6659	82.078	-.31306	-.64599	-2.088	1.0571	.86189	1.3192
Stddev	.1120	9.315	.29886	.56295	.229	1.4463	.42281	.1491
%RSD	6.7233	11.349	95.467	87.146	10.98	136.82	49.056	11.301

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB Acquired: 5/29/2013 23:49:23 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.49074	-.41585	-.24511	53.675	-.85725
Stddev	.15323	.49778	.10568	8.530	2.8884
%RSD	31.224	119.70	43.114	15.891	336.94

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7317.0	5822.9	68312.	10834.
Stddev	84.4	58.7	59.	57.
%RSD	1.1532	1.0083	.08586	.52882

Sample Name: 240-24823-c-1-a Acquired: 5/29/2013 23:53:18 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-41625	69.404	3.5992	143.42	15.173	-11846	56585.	.1205
Stddev	.35772	3.220	.9821	.77	.208	.03476	104.	.0392
%RSD	85.938	4.6389	27.287	.53713	1.3725	29.344	.18405	32.52

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.05187	7.2611	1.0008	1787.7	14144.	65.906	4395.4	8.7246
Stddev	.29841	.2594	.7996	7.2	48.	1.160	16.7	.0284
%RSD	575.33	3.5728	79.896	.40191	.34201	1.7601	.37975	.32574

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.0902	33925.	.80787	.80676	-1.961	2.3649	-.05034	45.585
Stddev	.2240	93.	.54873	1.8174	.728	.8681	.47673	.160
%RSD	4.4007	.27527	67.923	225.27	37.15	36.708	947.10	.35192

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24823-c-1-a Acquired: 5/29/2013 23:53:18 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.6859	19.689	8.2052	9205.0	319.40
Stddev	1.2061	.484	.0736	13.6	1.46
%RSD	71.542	2.4590	.89744	.14734	.45753

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7051.2	5706.0	66152.	10537.
Stddev	5.8	4.6	147.	54.
%RSD	.08230	.08066	.22157	.50821

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.168%	101.21%	100.47%	97.513%
Range				

Sample Name: 240-24823-d-1-a Acquired: 5/29/2013 23:57:08 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5.7798	10.491	4.1386	132.61	14.239	-1.10656	56367.	.0748
Stddev	.03225	24.436	1.8951	.91	.181	.00455	186.	.1191
%RSD	5.5790	232.93	45.790	.68327	1.2723	4.2682	.32967	159.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.02547	4.3358	1.8864	15.321	13630.	59.953	4692.7	.16503
Stddev	.28744	.0764	.2377	.396	81.	.569	32.4	.06161
%RSD	1128.5	1.7612	12.600	2.5844	.59101	.94834	.69042	37.330

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.9896	33975.	.68347	-.33560	-2.849	1.0308	.63925	-.02007
Stddev	.2636	122.	.50975	1.3701	.639	1.8895	.67526	.28552
%RSD	5.2827	.36015	74.582	408.24	22.42	183.31	105.63	1422.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24823-d-1-a Acquired: 5/29/2013 23:57:08 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.6832	13.123	6.3746	8476.5	316.90
Stddev	.3230	1.109	.2942	19.7	4.96
%RSD	19.190	8.4531	4.6152	.23226	1.5658

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6974.3	5662.4	65492.	10868.
Stddev	28.0	17.8	542.	167.
%RSD	.40086	.31363	.82743	1.5404

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.086%	100.44%	99.464%	100.57%
Range				

Sample Name: 240-24823-c-2-a Acquired: 5/30/2013 0:00:58 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-66566	175.57	7.9655	29.129	132.36	-16310	180070.
Stddev	.39108	3.28	1.3731	.300	.09	.03081	1775.
%RSD	58.751	1.8678	17.238	1.0288	.06595	18.890	.98577

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4591	1.9833	4.6858	10.585	17227.	1471.0	-2.9352
Stddev	.1384	.1566	.1018	.507	54.	6.2	1.1362
%RSD	30.15	7.8981	2.1732	4.7920	.31487	.42206	38.711

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	90731.	3430.0	.22296	20597.	4.2730	.70842	-2.004
Stddev	256.	21.3	.12394	14.	.0448	.20569	.755
%RSD	.28160	.62138	55.586	.07039	1.0481	29.035	37.68

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24823-c-2-a Acquired: 5/30/2013 0:00:58 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.3152	.90137	24.675	3.7011	2.9678	25.943	13342.
Stddev	2.1257	.11500	.063	1.0930	1.3965	.281	534.
%RSD	161.63	12.759	.25618	29.533	47.056	1.0825	4.0046

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	405.43
Stddev	1.23
%RSD	.30394

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6510.9	5467.4	62128.	10108.
Stddev	85.2	60.5	187.	71.
%RSD	1.3080	1.1062	.30024	.69825

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.569%	96.983%	94.356%	93.542%
Range				

Sample Name: 240-24823-d-2-a Acquired: 5/30/2013 0:05:06 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.65787	11.043	6.2191	29.175	114.02	-.18180	170570.
Stddev	.33129	1.006	.3600	.180	.10	.00991	846.
%RSD	50.358	9.1098	5.7892	.61621	.08715	5.4494	.49586

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3751	1.7815	1.5037	3.7302	13824.	1432.9	-3.4724
Stddev	.0507	.0678	.1337	.5100	20.	26.4	1.3347
%RSD	13.52	3.8076	8.8935	13.671	.14610	1.8398	38.437

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	87718.	3260.4	.09926	20155.	2.9532	-.31410	-3.267
Stddev	215.	13.0	.03285	11.	.1987	1.1283	1.463
%RSD	.24526	.39778	33.091	.05429	6.7292	359.21	44.77

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24823-d-2-a Acquired: 5/30/2013 0:05:06 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.84094	.12741	.01620	2.7857	1.5890	55.400	15354.
Stddev	2.9072	.69373	.10314	.6539	2.3752	.116	27.
%RSD	345.71	544.48	636.76	23.472	149.48	.20970	.17751

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	389.26
Stddev	2.20
%RSD	.56462

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6639.3	5550.1	64488.	10529.
Stddev	19.0	18.5	207.	53.
%RSD	.28609	.33315	.32140	.50510

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	93.375%	98.450%	97.939%	97.437%
Range				

Sample Name: 240-24823-h-3-a Acquired: 5/30/2013 0:09:13 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.74226	19.448	1.7475	471.21	33.830	-.18079	139760.
Stddev	.47529	11.661	.9611	1.63	.202	.01733	1809.
%RSD	64.033	59.958	55.000	.34486	.59750	9.5857	1.2944

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3395	-.02176	3.7216	3.8029	66.981	12521.	73.131
Stddev	.1296	.11720	.2393	.3971	2.586	64.	.904
%RSD	38.17	538.60	6.4296	10.443	3.8612	.50786	1.2360

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	53316.	11.572	6.9956	24799.	2.0050	-.90337	-2.391
Stddev	93.	.075	.1283	26.	.2381	.58405	1.310
%RSD	.17532	.64493	1.8342	.10554	11.873	64.653	54.79

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24823-h-3-a Acquired: 5/30/2013 0:09:13 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.2494	.03909	1.1273	1.7202	.26609	13.465	8669.2
Stddev	.0459	.71483	.2232	.8201	1.2922	.118	399.1
%RSD	1.4115	1828.5	19.797	47.673	485.63	.87451	4.6031

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	335.57
Stddev	3.35
%RSD	.99934

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6714.7	5570.7	63165.	10286.
Stddev	39.9	34.6	176.	117.
%RSD	.59440	.62033	.27796	1.1423

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.435%	98.815%	95.930%	95.189%
Range				

Sample Name: 240-24823-i-3-a Acquired: 5/30/2013 0:13:11 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.94754	-1.1340	1.0010	479.16	33.663	-.13331	141710.
Stddev	.44628	2.6431	1.5488	.67	.083	.02560	346.
%RSD	47.099	233.07	154.74	.13977	.24558	19.207	.24449

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2037	.01458	3.2983	4.6175	5.4183	12629.	74.489
Stddev	.0656	.26594	.1354	.3828	1.0878	62.	3.146
%RSD	32.22	1823.9	4.1061	8.2905	20.077	.48828	4.2239

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	53535.	10.222	7.0512	25121.	1.8037	-1.3090	-2.392
Stddev	247.	.053	.1337	85.	.2236	1.4726	2.123
%RSD	.46159	.51417	1.8965	.33703	12.396	112.49	88.74

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24823-i-3-a Acquired: 5/30/2013 0:13:11 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.0462	.21570	-.50726	1.2405	1.8961	17.170	11101.
Stddev	.9206	.39842	.15016	.8713	1.5356	.161	13.
%RSD	30.220	184.71	29.602	70.242	80.984	.93558	.11644

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	331.79
Stddev	2.13
%RSD	.64322

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6646.2	5511.3	63054.	10321.
Stddev	29.7	23.2	28.	123.
%RSD	.44655	.42028	.04446	1.1920

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	93.472%	97.762%	95.762%	95.515%
Range				

Sample Name: 240-24803-j-1-a Acquired: 5/30/2013 0:17:08 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.58059	6.4960	1.9629	93.100	111.26	-.09778	79346.	.1317
Stddev	.23323	10.654	.8465	.393	.39	.03367	124.	.0880
%RSD	40.171	164.01	43.124	.42246	.35412	34.433	.15680	66.80

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.14194	.26802	4.2162	11.043	1873.7	5.8581	16978.	.06902
Stddev	.04899	.17079	.2332	.570	20.0	.6707	20.	.04840
%RSD	34.518	63.725	5.5313	5.1581	1.0689	11.449	.11987	70.117

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.26778	34338.	.63543	.18746	-2.786	-.84573	-.16355	-.37592
Stddev	.15151	78.	.03659	.75929	1.456	.59073	.30601	.10779
%RSD	56.580	.22817	5.7589	405.05	52.25	69.849	187.11	28.674

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24803-j-1-a Acquired: 5/30/2013 0:17:08 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.3941	-1.4510	48.393	5455.6	179.78
Stddev	.4137	1.7002	.119	1.3	4.55
%RSD	29.671	117.17	.24544	.02380	2.5283

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6847.4	5606.0	64385.	10255.
Stddev	22.4	26.9	22.	35.
%RSD	.32734	.47975	.03486	.34419

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.302%	99.441%	97.782%	94.901%
Range				

Sample Name: 240-24805-j-1-a Acquired: 5/30/2013 0:20:58 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .76897	2.8138	2.8228	35.112	102.66	- .17210	144600.
Stddev	.33112	18.940	.1228	1.238	.14	.01673	752.
%RSD	43.061	673.11	4.3517	3.5246	.13821	9.7193	.52019

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1735	.58002	.71500	4.9641	2465.9	2072.6	17.409
Stddev	.0584	.11410	.12640	.4178	10.7	4.9	.231
%RSD	33.63	19.672	17.678	8.4158	.43434	.23423	1.3264

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	33194.	224.87	- .25348	42633.	1.0150	- .73830	- 2.274
Stddev	136.	.39	.14305	127.	.2284	.28156	2.355
%RSD	.41054	.17297	56.433	.29835	22.501	38.136	103.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24805-j-1-a Acquired: 5/30/2013 0:20:58 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .41713	- .08837	- .50802	2.5028	.34844	10.075	4932.2
Stddev	2.9918	.66022	.03902	.0684	1.1782	.151	9.2
%RSD	717.24	747.12	7.6812	2.7323	338.14	1.4939	.18669

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	244.95
Stddev	2.41
%RSD	.98435

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6862.8	5653.4	64758.	10630.
Stddev	91.9	64.5	182.	72.
%RSD	1.3392	1.1416	.28125	.67980

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.518%	100.28%	98.349%	98.372%
Range				

Sample Name: 240-24806-j-1-a Acquired: 5/30/2013 0:24:58 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .77080	6.8128	2.3545	35.000	65.587	- .11011	148520.
Stddev	.17051	23.799	.3032	.613	.230	.00697	1659.
%RSD	22.121	349.33	12.878	1.7516	.35120	6.3280	1.1172

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1282	.39190	.67009	37.558	1081.3	2150.1	18.789
Stddev	.0623	.13596	.26645	.389	4.1	19.8	.422
%RSD	48.59	34.693	39.764	1.0365	.38163	.92279	2.2461

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	33842.	58.616	- .34510	51305.	4.0406	- .86294	- 3.734
Stddev	125.	.151	.08120	74.	1.5994	.53156	1.781
%RSD	.37072	.25810	23.529	.14385	39.582	61.598	47.71

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24806-j-1-a Acquired: 5/30/2013 0:24:58 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.00069	.17473	-.52938	2.3935	1.3625	51.841	4869.8
Stddev	1.0445	.14131	.09423	.9345	.4088	.255	9.2
%RSD	152460.	80.872	17.801	39.045	30.002	.49282	.18862

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	260.00
Stddev	2.38
%RSD	.91530

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6739.3	5576.9	62602.	10098.
Stddev	7.3	6.7	166.	61.
%RSD	.10854	.12045	.26489	.60680

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.781%	98.925%	95.075%	93.448%
Range				

Sample Name: 240-24811-m-2-a Acquired: 5/30/2013 0:28:56 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-24241	4398.6	35.028	155.32	268.49	27.620	243000.
Stddev	.08756	57.8	.918	.15	3.13	.354	4382.
%RSD	36.122	1.3144	2.6208	.09416	1.1675	1.2831	1.8031

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2331	130.42	4188.7	-3.4861	212900.	11024.	629.11
Stddev	.1147	.41	3.8	.1224	2041.	162.	7.21
%RSD	49.19	.31285	.08953	3.5117	.95848	1.4693	1.1459

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	132660.	5433.9	-1.5944	30688.	367.93	-2.7869	3.126
Stddev	2227.	29.1	.2216	136.	.57	.8166	2.462
%RSD	1.6789	.53612	13.899	.44181	.15576	29.301	78.76

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24811-m-2-a Acquired: 5/30/2013 0:28:56 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.6996	1.5296	6.6991	8.5968	8.7926	10.280	5979.5
Stddev	.6665	.7675	.0303	.9483	.1846	.042	268.9
%RSD	39.218	50.179	.45247	11.031	2.0996	.40698	4.4964

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	247.36
Stddev	2.99
%RSD	1.2095

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6220.9	6512.8	75680.	12903.
Stddev	11.2	13.2	136.	210.
%RSD	.17974	.20246	.18018	1.6289

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	87.490%	115.53%	114.94%	119.40%
Range				

Sample Name: CCV Acquired: 5/30/2013 0:33:12 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	995.45	25050.	500.40	5067.0	1988.0	2081.0	52248.
Stddev	.16	28.	1.73	6.8	2.1	2.5	68.
%RSD	.01628	.11366	.34503	.13445	.10646	.11998	.12997

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	499.2	1980.1	1935.2	1916.3	25834.	50653.	5068.5
Stddev	.1	1.9	2.0	.9	69.	101.	9.5
%RSD	.0117	.09486	.10202	.04787	.26727	.19939	.18795

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	52014.	2002.4	1934.0	51754.	1977.1	479.45	494.2
Stddev	170.	1.8	3.5	64.	4.4	2.53	.9
%RSD	.32621	.09078	.18158	.12368	.22397	.52708	.1907

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Sample Name: CCV Acquired: 5/30/2013 0:33:12 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	507.63	5107.0	5077.2	998.71	1985.9	2021.2	F 5759.7
Stddev	.91	8.7	20.4	2.75	2.8	7.9	199.3
%RSD	.17902	.17004	.40192	.27577	.14127	.38971	3.4596

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value							5000.0
Range							10.500%

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	5023.1
Stddev	12.8
%RSD	.25567

Check ?	Chk Pass
Value	
Range	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6613.5	5621.7	63894.	10474.
Stddev	31.2	25.5	18.	104.
%RSD	.47167	.45434	.02843	.99715

Sample Name: CCB Acquired: 5/30/2013 0:36:58 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.07339	7.4270	3.8142	23.193	.13105	.02744	3.8353
Stddev	.17865	7.1870	2.3113	27.288	.06993	.02501	1.5590
%RSD	243.42	96.769	60.596	117.66	53.362	91.143	40.648

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 1.571	F 5.7897	.42945	-.48803	5.4768	96.663	2.1703
Stddev	2.845	10.389	.59471	.59040	.4347	21.240	.2595
%RSD	181.0	179.44	138.48	120.98	7.9376	21.974	11.959

Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.000	5.0000					
Low Limit	-1.000	-5.0000					

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12.505	.36196	7.8116	95.895	6.0321	1.6861	.1953
Stddev	8.026	.55967	10.715	14.998	10.443	1.9879	2.746
%RSD	64.188	154.62	137.17	15.640	173.12	117.90	1406.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: CCB Acquired: 5/30/2013 0:36:58 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.0565	16.292	2.1398	4.1141	.74594	5.5474	46.772
Stddev	1.3854	26.300	.7572	5.1813	.41887	9.8293	7.782
%RSD	45.327	161.42	35.387	125.94	56.153	177.19	16.638

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	-2.0524
Stddev	2.9495
%RSD	143.71

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7298.2	5818.4	67542.	10575.
Stddev	54.6	27.9	49.	40.
%RSD	.74863	.47922	.07328	.38258

Sample Name: 240-24811-m-3-a Acquired: 5/30/2013 0:40:53 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-42063	74.212	3.9736	200.41	348.49	-08352	142660.
Stddev	.02848	20.443	.9770	.24	.70	.06348	523.
%RSD	6.7716	27.547	24.587	.12216	.19948	75.998	.36665

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5161	.34994	2.3392	4.0621	627.56	7385.9	-6.5348
Stddev	.0572	.18302	.1631	.1459	3.28	48.0	.6130
%RSD	11.08	52.300	6.9705	3.5912	.52319	.64954	9.3811

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24948.	407.68	17.551	75550.	2.2414	1.6351	-2.400
Stddev	144.	1.05	.260	148.	.1074	.8610	.753
%RSD	.57667	.25842	1.4804	.19572	4.7900	52.656	31.39

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24811-m-3-a Acquired: 5/30/2013 0:40:53 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.7216	.51341	.85516	2.6525	.53226	17.200	12383.
Stddev	1.6830	.50200	.27820	.8527	.41475	.129	43.
%RSD	97.761	97.778	32.532	32.145	77.922	.74710	.34498

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	714.37
Stddev	3.91
%RSD	.54784

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6856.8	5669.8	66385.	11058.
Stddev	8.6	6.3	241.	85.
%RSD	.12481	.11029	.36267	.77132

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.434%	100.57%	100.82%	102.33%
Range				

Sample Name: 240-24856-i-1-a Acquired: 5/30/2013 0:44:50 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.35745	509.79	16.629	169.67	230.90	-.06979	61174.
Stddev	.33744	14.83	1.154	.61	.18	.01363	19.
%RSD	94.404	2.9092	6.9365	.35704	.07617	19.536	.03076

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0168	.48925	1.5514	6.1755	402.77	21615.	30.324
Stddev	.0453	.10985	.2236	.7438	.94	35.	.964
%RSD	268.9	22.453	14.411	12.045	.23255	.16378	3.1775

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15696.	38.337	77.815	238640.	5.6108	1.2969	.4635
Stddev	52.	.446	.260	3050.	.0723	.3100	.9336
%RSD	.33036	1.1625	.33460	1.2781	1.2891	23.903	201.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24856-i-1-a Acquired: 5/30/2013 0:44:50 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.1255	.03944	6.0090	1.6027	4.8921	25.258	6167.2
Stddev	2.3487	.25039	.2754	.6502	.6144	.077	11.1
%RSD	56.931	634.79	4.5827	40.570	12.558	.30598	.17951

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	3068.7
Stddev	4.1
%RSD	.13490

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6699.5	5638.6	64321.	10813.
Stddev	16.5	15.9	494.	5.
%RSD	.24626	.28255	.76752	.04574

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.222%	100.02%	97.685%	100.06%
Range				

Sample Name: 240-24858-i-1-a Acquired: 5/30/2013 0:48:45 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.76362	1159.1	6.6010	194.19	203.71	-.02575	61352.	.2430
Stddev	.26466	18.6	.5303	.48	.28	.00659	20.	.1541
%RSD	34.658	1.6071	8.0329	.24550	.13932	25.587	.03278	63.41

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.6045	2.7229	5.1956	903.56	18070.	32.956	17008.	131.26
Stddev	.0159	.0964	.9815	1.25	58.	.844	63.	.11
%RSD	.61164	3.5398	18.891	.13837	.31970	2.5617	.37083	.08510

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	101.94	99066.	7.5586	.07625	1.438	8.6215	.01854	14.248
Stddev	.35	43.	.1330	.82097	.984	2.8081	.06583	.825
%RSD	.34279	.04364	1.7597	1076.6	68.39	32.570	354.96	5.7897

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24858-i-1-a Acquired: 5/30/2013 0:48:45 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.1930	4.4916	20.929	6180.4	2853.6
Stddev	.3006	2.1158	.065	11.9	3.6
%RSD	13.707	47.105	.30863	.19309	.12676

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6888.8	5713.9	65553.	10832.
Stddev	45.4	34.0	224.	5.
%RSD	.65966	.59502	.34198	.05002

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.885%	101.36%	99.557%	100.24%
Range				

Sample Name: mb 240-87274/1-a Acquired: 5/30/2013 0:52:32 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.31670	-6.4433	.36083	2.8465	.60071	-.05996	181.68	.0349
Stddev	.36019	11.133	.67328	.9727	.02950	.04629	19.11	.0966
%RSD	113.73	172.79	186.59	34.171	4.9116	77.203	10.516	276.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.09494	-.02407	.61626	17.867	110.51	-.22494	49.014	.65394
Stddev	.18759	.09987	.69337	1.002	35.66	.12942	13.124	.07380
%RSD	197.60	414.89	112.51	5.6110	32.271	57.534	26.775	11.285

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.42316	171.36	.47991	-.56615	-2.752	.60071	29.553	-.31082
Stddev	.65753	40.54	.13294	.45138	1.680	.61525	.454	.13290
%RSD	155.38	23.658	27.701	79.728	61.04	102.42	1.5349	42.759

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: mb 240-87274/1-a Acquired: 5/30/2013 0:52:32 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.18205	-.33980	7.6479	54.717	.33464
Stddev	.72985	.78347	.1282	15.622	.97741
%RSD	400.92	230.57	1.6767	28.551	292.08

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7205.3	5800.0	67907.	11039.
Stddev	18.6	15.0	295.	178.
%RSD	.25772	.25906	.43499	1.6150

Sample Name: lcs 240-87274/2-a Acquired: 5/30/2013 0:56:27 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	46.329	1889.7	1833.0	926.95	1894.4	48.705	49288.	48.54
Stddev	.630	9.5	6.5	.95	2.4	.006	80.	.04
%RSD	1.3608	.50273	.35260	.10224	.12806	.01319	.16256	.0866

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	464.12	183.77	225.82	1014.1	47603.	930.55	49151.	482.79
Stddev	.32	.55	.58	1.9	68.	1.52	94.	.79
%RSD	.06800	.29937	.25709	.19065	.14352	.16333	.19083	.16296

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	914.13	48763.	467.01	452.50	457.2	1876.4	1903.0	962.19
Stddev	1.88	116.	.34	2.62	.5	2.5	5.1	1.07
%RSD	.20562	.23695	.07206	.57965	.1133	.13582	.26898	.11096

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: lcs 240-87274/2-a Acquired: 5/30/2013 0:56:27 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	TI1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1841.2	473.34	474.69	991.53	931.13
Stddev	3.6	3.87	1.75	10.02	4.06
%RSD	.19507	.81758	.36764	1.0102	.43581

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6687.9	5576.2	63778.	10237.
Stddev	37.5	25.2	120.	66.
%RSD	.56141	.45153	.18828	.64429

Sample Name: 240-24831-d-41-a Acquired: 5/30/2013 1:00:05 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.62100	18173.	10.799	25.970	114.37	1.6077	4500.5	.1259
Stddev	.24474	48.	2.257	.178	.41	.0392	1.7	.1913
%RSD	39.411	.26432	20.895	.68698	.35528	2.4408	.03675	152.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21.177	36.386	69.461	47040.	2929.8	35.639	10232.	610.91
Stddev	.152	.695	.729	122.	32.8	.560	3.	6.85
%RSD	.71553	1.9107	1.0497	.25863	1.1198	1.5715	.02676	1.1218

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.3059	632.68	50.715	8.2945	.3869	2.0060	14.692	828.36
Stddev	.2648	8.23	.257	1.9213	1.643	1.5375	.882	5.92
%RSD	20.277	1.3005	.50653	23.163	424.7	76.644	6.0015	.71408

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24831-d-41-a Acquired: 5/30/2013 1:00:05 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.52125	97.628	72.629	1376.2	25.386
Stddev	.65273	1.675	.155	4.7	2.832
%RSD	125.22	1.7158	.21321	.34217	11.156

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7121.1	6200.7	72777.	11664.
Stddev	23.7	18.4	389.	19.
%RSD	.33303	.29626	.53516	.16558

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.15%	109.99%	110.53%	107.94%
Range				

Sample Name: SD240-24831-d-41-a@5 Acquired: 5/30/2013 1:03:53 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.74445	3922.0	3.8039	6.5651	24.645	.31074	969.20	.1539
Stddev	.02406	16.9	.9196	.0940	.031	.02494	1.00	.1405
%RSD	3.2315	.43198	24.176	1.4323	.12631	8.0271	.10326	91.27

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.2571	7.9991	14.067	10096.	611.95	6.4945	2220.7	132.84
Stddev	.1141	.0514	.438	29.	8.27	.7073	11.1	.30
%RSD	2.6791	.64260	3.1115	.28584	1.3509	10.891	.49806	.22599

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.07357	196.47	10.255	1.3455	-1.599	1.8656	2.5827	177.19
Stddev	.08760	14.01	.477	1.3561	.580	1.0608	.4786	.16
%RSD	119.06	7.1294	4.6536	100.78	36.27	56.863	18.532	.09020

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: SD240-24831-d-41-a@5 Acquired: 5/30/2013 1:03:53 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.51666	20.324	14.862	306.55	4.7259
Stddev	.82201	.467	.084	5.25	2.7353
%RSD	159.10	2.2966	.56852	1.7113	57.878

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7204.5	5894.1	69085.	10976.
Stddev	54.3	35.0	153.	86.
%RSD	.75378	.59395	.22093	.78189

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	101.32%	104.55%	104.92%	101.58%
Range				

Sample Name: 240-24831-d-41-b.ms Acquired: 5/30/2013 1:07:43 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	43.007	33097.	1726.3	926.44	1913.3	47.755	51150.	45.90
Stddev	.276	96.	2.0	.73	.9	.179	78.	.14
%RSD	.64087	.29099	.11346	.07902	.04534	.37541	.15251	.3038

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	484.26	211.87	292.29	53808.	50086.	931.43	59511.	1282.5
Stddev	.57	.27	.93	376.	232.	5.56	288.	4.5
%RSD	.11717	.12766	.31653	.69863	.46342	.59740	.48394	.34954

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	846.65	46856.	520.56	432.41	287.9	1753.2	1818.8	1862.0
Stddev	.66	168.	.78	2.03	3.6	3.9	2.3	4.4
%RSD	.07768	.35918	.14938	.46874	1.242	.22066	.12787	.23797

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: 240-24831-d-41-b.ms Acquired: 5/30/2013 1:07:43 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1837.3	548.38	552.71	5574.8	898.76
Stddev	2.5	.81	2.79	6.5	7.22
%RSD	.13354	.14747	.50486	.11622	.80366

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6437.1	5698.5	65653.	10708.
Stddev	46.9	40.2	100.	21.
%RSD	.72841	.70467	.15249	.19723

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.531%	101.08%	99.709%	99.096%
Range				

Sample Name: 240-24831-d-41-c msd Acquired: 5/30/2013 1:11:22 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	43.284	30679.	1754.4	915.35	1951.7	48.879	52447.	46.38
Stddev	.342	149.	2.1	2.38	5.6	.084	181.	.08
%RSD	.79076	.48603	.12113	.25954	.28622	.17088	.34560	.1697

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	490.94	220.38	293.40	52013.	50115.	940.99	59968.	1230.9
Stddev	1.00	.41	1.63	67.	172.	1.29	152.	1.6
%RSD	.20349	.18401	.55526	.12806	.34311	.13692	.25275	.12905

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	857.81	47543.	525.40	436.75	276.4	1782.0	1843.3	1841.2
Stddev	.92	150.	.61	2.09	.9	1.0	2.7	.6
%RSD	.10682	.31555	.11675	.47953	.3222	.05469	.14757	.03376

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: 240-24831-d-41-c msd Acquired: 5/30/2013 1:11:22 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1833.9	553.56	548.31	4041.8	918.76
Stddev	4.4	.76	1.27	38.6	3.61
%RSD	.24174	.13780	.23165	.95530	.39263

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6566.1	5784.5	65469.	10597.
Stddev	6.3	8.1	130.	74.
%RSD	.09650	.14009	.19857	.69660

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 Value 92.345% 102.61% 99.428% 98.064%
 Range

Sample Name: 240-24831-b-39-a Acquired: 5/30/2013 1:15:00 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.579	69888.	74.415	97.850	516.91	4.6642	82110.
Stddev	.265	171.	.940	.167	.07	.0386	262.
%RSD	2.5051	.24428	1.2630	.17058	.01425	.82815	.31960

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14.54	114.33	160.93	F 49160.	164170.	3154.9	50.955
Stddev	.08	.40	.51	132.	2227.	18.0	.390
%RSD	.5322	.34588	.31847	.26786	1.3564	.56988	.76502

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				30000.			
Low Limit				-500000.			

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	69462.	2739.1	5.3885	1621.5	351.20	519.61	11.99
Stddev	273.	19.4	.0168	7.5	.39	1.34	2.85
%RSD	.39321	.70959	.31128	.46206	.11150	.25850	23.77

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24831-b-39-a Acquired: 5/30/2013 1:15:00 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.898	2674.4	8310.1	3.0574	297.11	2056.0	1943.4
Stddev	.984	4.8	18.5	.2848	.56	3.6	23.1
%RSD	9.0292	.17768	.22310	9.3140	.18981	.17540	1.1869

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	221.41
Stddev	2.66
%RSD	1.1994

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6689.9	6017.6	72126.	12004.
Stddev	19.8	10.9	184.	79.
%RSD	.29543	.18036	.25486	.65784

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.087%	106.74%	109.54%	111.09%
Range				

Sample Name: CCV Acquired: 5/30/2013 1:19:29 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	992.02	24953.	496.03	5043.3	1985.4	2062.4	52009.
Stddev	3.86	26.	.34	13.3	3.4	2.3	38.
%RSD	.38946	.10338	.06813	.26408	.16950	.11118	.07245

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	497.5	1966.3	1924.8	2027.9	25579.	50321.	5018.7
Stddev	1.3	3.2	9.3	123.2	65.	33.	6.8
%RSD	.2689	.16245	.48467	6.0769	.25350	.06553	.13490

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	51746.	1996.1	1915.5	51510.	1963.3	478.23	494.7
Stddev	100.	3.9	3.3	26.	.3	1.11	2.4
%RSD	.19412	.19759	.17452	.05031	.01610	.23176	.4868

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Sample Name: CCV Acquired: 5/30/2013 1:19:29 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	506.32	5124.4	5042.2	990.12	1969.1	2008.0	F 5671.0
Stddev	1.15	1.4	11.6	2.54	1.5	3.6	173.7
%RSD	.22757	.02685	.23037	.25658	.07690	.17940	3.0626

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value							5000.0
Range							10.500%

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	4969.6
Stddev	12.9
%RSD	.25896

Check ?	Chk Pass
Value	
Range	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6589.8	5605.1	63247.	10412.
Stddev	26.0	18.4	315.	50.
%RSD	.39429	.32853	.49817	.47705

Sample Name: CCB Acquired: 5/30/2013 1:23:16 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.8692	-45066	1.1708	8.0618	.25848	.23673	9.1451
Stddev	4.6765	14.285	.8920	1.0288	.16024	.06409	2.8792
%RSD	162.99	3169.8	76.187	12.761	61.991	27.074	31.483

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1062	-11078	F 6.4374	F 9.2321	9.3569	141.45	1.7049
Stddev	.1383	.25907	9.8461	13.765	1.4863	33.34	1.8195
%RSD	130.2	233.85	152.95	149.09	15.885	23.570	106.72

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			5.0000	5.0000			
Low Limit			-5.0000	-5.0000			

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13.549	6.6803	1.7818	67.802	-.09403	-.81670	-1.529
Stddev	2.884	10.399	.1585	15.444	.47147	.27830	1.337
%RSD	21.283	155.67	8.8932	22.778	501.40	34.076	87.43

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: CCB Acquired: 5/30/2013 1:23:16 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.9081	1.8228	18.344	.58631	1.1087	-.01932	27.227
Stddev	1.6730	.3233	25.843	.39056	1.1810	.24060	4.294
%RSD	87.678	17.739	140.88	66.614	106.52	1245.3	15.770

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1.6886
Stddev	4.5064
%RSD	266.87

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7350.8	5869.3	68287.	10777.
Stddev	23.5	16.5	463.	59.
%RSD	.31969	.28121	.67782	.54570

Sample Name: 240-24831-b-39-a@5 Acquired: 5/30/2013 1:27:11 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.3693	15561.	18.096	33.453	112.18	1.0230	18761.	3.958
Stddev	.2229	41.	1.404	12.783	.37	.0199	4.	1.122
%RSD	9.4061	.26085	7.7564	38.213	.33101	1.9474	.02139	28.34

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	26.009	36.400	10735.	38127.	679.22	11.047	15738.	623.08
Stddev	4.723	.335	24.	69.	31.41	.756	41.	2.34
%RSD	18.159	.91930	.22085	.18105	4.6242	6.8427	.25966	.37602

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.4569	386.51	73.959	114.97	1.032	2.9742	546.42	1842.8
Stddev	5.0997	9.37	4.412	1.62	2.937	.6259	9.30	6.3
%RSD	114.42	2.4254	5.9660	1.4072	284.6	21.044	1.7014	.33984

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: 240-24831-b-39-a@5 Acquired: 5/30/2013 1:27:11 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.7197	65.561	417.24	441.90	47.162
Stddev	3.0328	1.804	.76	1.63	1.674
%RSD	111.51	2.7523	.18098	.36796	3.5485

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7084.2	5848.6	67488.	10806.
Stddev	61.4	43.9	885.	55.
%RSD	.86678	.75080	1.3120	.50768

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 Value 99.632% 103.74% 102.50% 100.00%
 Range

Sample Name: 240-24831-b-40-a Acquired: 5/30/2013 1:30:58 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.5269	47641.	14.385	51.500	193.54	4.5730	10460.
Stddev	.4897	160.	1.004	.288	.38	.0198	22.
%RSD	32.072	.33660	6.9787	.56010	.19666	.43353	.20853

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3775	75.164	83.656	240.33	117700.	5485.8	122.00
Stddev	.0732	.095	.235	.36	649.	30.7	.37
%RSD	19.39	.12575	.28046	.14946	.55125	.56022	.30219

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	34028.	3660.0	2.0308	436.14	214.78	14.977	-3.297
Stddev	103.	20.5	.2174	9.45	.22	.916	2.645
%RSD	.30308	.55903	10.706	2.1672	.10395	6.1179	80.20

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24831-b-40-a Acquired: 5/30/2013 1:30:58 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.1561	19.688	860.47	-.01407	202.45	276.22	1558.1
Stddev	3.4203	.575	.17	.71852	.49	.56	2.3
%RSD	108.37	2.9231	.01956	5107.5	.24308	.20259	.14626

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	62.787
Stddev	.880
%RSD	1.4012

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6895.9	6216.0	71366.	11707.
Stddev	18.7	13.8	261.	81.
%RSD	.27092	.22177	.36577	.69357

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.984%	110.26%	108.39%	108.34%
Range				

Sample Name: 240-24831-b-42-a Acquired: 5/30/2013 1:35:03 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.01639	40983.	33.944	56.246	605.40	4.3624	19313.
Stddev	.43281	84.	1.272	.113	.85	.0066	20.
%RSD	2640.3	.20453	3.7462	.20152	.14091	.15146	.10316

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.522	45.976	94.692	14580.	114850.	6410.5	66.195
Stddev	.095	.064	.666	104.	782.	12.4	.658
%RSD	6.209	.13868	.70348	.71653	.68088	.19379	.99334

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23661.	2303.7	.88874	332.90	118.00	442.84	-1.473
Stddev	48.	19.6	.03940	14.45	.49	3.50	1.291
%RSD	.20373	.85001	4.4327	4.3407	.41269	.79123	87.62

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24831-b-42-a Acquired: 5/30/2013 1:35:03 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.6782	31.808	1613.3	.25490	204.93	675.91	1928.0
Stddev	1.1662	.261	1.4	.30721	.41	4.49	6.0
%RSD	69.489	.82033	.08567	120.52	.19822	.66476	.31356

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	111.44
Stddev	3.73
%RSD	3.3439

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6967.6	6174.5	72254.	11969.
Stddev	39.1	32.4	210.	57.
%RSD	.56088	.52463	.29107	.47249

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.993%	109.52%	109.73%	110.76%
Range				

Sample Name: 240-24831-b-43-a Acquired: 5/30/2013 1:39:17 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.4681	95532.	33.960	59.996	396.95	5.5354	55730.
Stddev	.2390	161.	.875	.515	.26	.0869	79.
%RSD	5.3484	.16805	2.5764	.85808	.06541	1.5700	.14129

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.516	142.35	180.22	9902.5	188620.	2849.0	59.760
Stddev	.076	1.19	.76	13.6	1518.	9.1	1.323
%RSD	5.023	.83302	.42163	.13706	.80451	.31769	2.2137

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	108240.	3948.9	3.0775	2902.8	407.62	481.12	1.657
Stddev	329.	22.1	.3715	11.3	4.16	3.44	1.974
%RSD	.30376	.55992	12.073	.38774	1.0215	.71462	119.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24831-b-43-a Acquired: 5/30/2013 1:39:17 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.9032	114.51	9013.1	.24230	310.88	884.67	1515.4
Stddev	1.8442	.21	85.9	.83426	2.71	8.15	8.5
%RSD	63.522	.18440	.95252	344.31	.87146	.92084	.56323

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	218.90
Stddev	2.83
%RSD	1.2918

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6486.6	6137.6	70656.	11512.
Stddev	39.8	34.2	218.	69.
%RSD	.61351	.55717	.30883	.60158

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.227%	108.87%	107.31%	106.53%
Range				

Sample Name: 240-24831-b-44-a Acquired: 5/30/2013 1:43:27 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.7836	53083.	16.968	80.667	265.86	4.9173	14675.
Stddev	.4759	206.	1.691	.178	.51	.0347	39.
%RSD	26.681	.38758	9.9659	.22109	.19025	.70506	.26409

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3130	51.617	97.765	228.66	123370.	11272.	101.63
Stddev	.1093	.170	.167	2.39	728.	46.	.78
%RSD	34.93	.32997	.17082	1.0457	.59045	.41170	.77213

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	26288.	1631.8	1.0305	347.49	125.46	20.240	-.9097
Stddev	134.	2.8	.0802	10.40	.47	.850	1.077
%RSD	.50812	.17337	7.7803	2.9935	.37494	4.1984	118.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24831-b-44-a Acquired: 5/30/2013 1:43:27 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.0197	19.629	1228.4	-1.4611	264.85	219.26	2738.0
Stddev	3.4341	.314	.9	.1424	.42	1.04	9.0
%RSD	336.77	1.6021	.07590	9.7432	.15679	.47279	.32969

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	81.231
Stddev	2.490
%RSD	3.0651

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6790.0	6323.9	72010.	11595.
Stddev	50.5	47.2	422.	103.
%RSD	.74431	.74663	.58664	.88898

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.495%	112.18%	109.36%	107.30%
Range				

Sample Name: 240-24831-b-45-a Acquired: 5/30/2013 1:47:22 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.0895	62524.	18.358	83.071	319.53	5.6447	17815.
Stddev	.0580	100.	.765	.341	.24	.0369	43.
%RSD	2.7783	.16015	4.1680	.41078	.07663	.65433	.23980

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2850	60.937	112.13	269.42	138130.	13360.	114.41
Stddev	.0624	.466	.56	1.51	993.	57.	.86
%RSD	21.90	.76437	.50093	.56113	.71857	.42977	.74976

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	30880.	1640.6	1.0338	389.70	150.31	21.286	-1.422
Stddev	151.	3.1	.0787	15.57	.25	.873	.850
%RSD	.49041	.18973	7.6137	3.9940	.16355	4.1033	59.79

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24831-b-45-a Acquired: 5/30/2013 1:47:22 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.47280	20.244	1312.6	-1.6333	280.75	267.15	2423.4
Stddev	.73998	.336	1.5	.2087	.08	.81	2.3
%RSD	156.51	1.6603	.11447	12.775	.02806	.30440	.09619

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	97.262
Stddev	4.667
%RSD	4.7987

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6768.2	6427.6	75167.	12294.
Stddev	26.4	27.8	314.	120.
%RSD	.38976	.43193	.41762	.97658

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.187%	114.01%	114.16%	113.77%
Range				

Sample Name: 240-24831-b-46-a Acquired: 5/30/2013 1:51:16 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.1230	51333.	42.435	66.862	594.87	5.3222	26821.
Stddev	.1620	53.	1.975	.156	.82	.0229	35.
%RSD	5.1857	.10402	4.6539	.23261	.13728	.42982	.13036

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.364	57.114	101.89	11959.	113170.	7539.7	89.577
Stddev	.136	.157	.32	25.	445.	27.1	.731
%RSD	5.735	.27454	.31355	.20762	.39314	.35969	.81574

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	31802.	2538.2	1.2047	448.83	144.57	295.69	-1.043
Stddev	126.	23.3	.1691	2.28	.38	1.34	.993
%RSD	.39527	.91603	14.038	.50746	.26615	.45371	95.22

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24831-b-46-a Acquired: 5/30/2013 1:51:16 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.1806	23.312	1852.2	-.03654	259.93	723.10	2188.5
Stddev	1.4663	.107	1.1	1.0738	1.88	2.53	2.5
%RSD	46.102	.45964	.05914	2938.8	.72472	.34978	.11561

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	184.27
Stddev	2.12
%RSD	1.1531

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6843.2	6306.1	72433.	11684.
Stddev	34.9	29.4	441.	52.
%RSD	.51027	.46563	.60946	.44317

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.242%	111.86%	110.01%	108.12%
Range				

Sample Name: 240-24831-b-47-a Acquired: 5/30/2013 1:55:20 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.79464	22589.	14.482	33.881	127.62	2.4246	6091.8	.2981
Stddev	.18534	68.	.912	2.041	.32	.0347	11.4	.0391
%RSD	23.324	.30040	6.2971	6.0246	.24801	1.4309	.18748	13.13

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	22.345	49.727	136.17	62535.	3680.4	42.902	11680.	788.12
Stddev	.269	.089	.38	100.	49.3	.837	29.	3.55
%RSD	1.2036	.17803	.27550	.15912	1.3383	1.9512	.25112	.45089

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.17903	149.74	107.57	14.990	-.1259	.79938	17.425	1389.0
Stddev	.24407	5.75	92.32	.459	1.723	.49519	.408	3.4
%RSD	136.33	3.8423	85.817	3.0645	1369.	61.946	2.3405	.24313

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24831-b-47-a Acquired: 5/30/2013 1:55:20 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.05216	143.75	127.78	2070.4	36.753
Stddev	.68201	1.54	55.89	5.2	1.790
%RSD	1307.6	1.0735	43.742	.25235	4.8698

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6941.3	5935.3	70961.	11604.
Stddev	112.8	94.5	513.	53.
%RSD	1.6246	1.5927	.72342	.45273

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.622%	105.28%	107.77%	107.39%
Range				

Sample Name: 240-24831-b-48-a Acquired: 5/30/2013 1:59:08 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.6265	35819.	16.859	56.409	188.12	3.6802	9269.1
Stddev	.6383	90.	.696	.341	.29	.0493	20.9
%RSD	39.245	.25152	4.1262	.60537	.15218	1.3399	.22535

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0889	41.995	74.472	170.18	103650.	7044.2	71.540
Stddev	.0354	.181	.278	.86	2548.	9.4	.688
%RSD	39.79	.43063	.37335	.50633	2.4579	.13391	.96204

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19264.	1804.6	.44776	193.34	103.41	15.299	-3.893
Stddev	59.	13.6	.09830	8.96	.28	1.009	1.546
%RSD	.30748	.75227	21.954	4.6363	.27441	6.5938	39.70

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24831-b-48-a Acquired: 5/30/2013 1:59:08 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.4750	18.306	973.23	-1.0166	216.57	163.76	1865.7
Stddev	2.2490	.305	1.48	.5769	.63	.47	6.5
%RSD	152.48	1.6646	.15209	56.743	.29270	.28993	.34976

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	53.865
Stddev	.435
%RSD	.80701

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6850.5	6257.4	73672.	12110.
Stddev	11.0	14.5	895.	46.
%RSD	.16085	.23162	1.2143	.38238

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.345%	111.00%	111.89%	112.07%
Range				

Sample Name: 240-24831-b-49-a Acquired: 5/30/2013 2:03:07 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19.257	53297.	376.87	110.71	22268.	5.9639	44635.
Stddev	.220	274.	3.23	.28	2253.	.0327	322.
%RSD	1.1425	.51358	.85775	.25219	10.117	.54856	.72231

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	58.60	72.859	235.60	F 44589.	260380.	3846.7	37.374
Stddev	.11	.363	.48	1461.	3025.	47.9	1.200
%RSD	.1798	.49803	.20311	3.2765	1.1619	1.2460	3.2098

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				30000.			
Low Limit				-500000.			

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	60084.	2513.4	20.163	1439.9	428.47	9365.8	8.888
Stddev	494.	12.5	.113	9.0	1.17	24.4	1.772
%RSD	.82210	.49624	.56212	.62213	.27412	.26095	19.93

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24831-b-49-a Acquired: 5/30/2013 2:03:07 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	22.540	501.68	4576.4	9.3458	180.99	7584.4	3191.8
Stddev	1.165	.60	12.8	.3487	.88	14.7	41.9
%RSD	5.1675	.12059	.28003	3.7314	.48432	.19440	1.3142

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	463.42
Stddev	3.35
%RSD	.72380

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6604.1	5829.8	70739.	11185.
Stddev	26.1	22.8	530.	90.
%RSD	.39575	.39185	.74988	.80439

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.880%	103.41%	107.43%	103.51%
Range				

Sample Name: CCV Acquired: 5/30/2013 2:07:33 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1013.4	25236.	501.46	5106.3	2023.7	2072.5	52586.
Stddev	1.7	32.	3.14	4.7	2.3	5.4	83.
%RSD	.16777	.12699	.62647	.09237	.11292	.25951	.15732

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	504.0	1979.7	1944.2	1960.1	25639.	50716.	5045.8
Stddev	.1	3.1	1.9	.7	123.	179.	16.5
%RSD	.0292	.15804	.09931	.03372	.48075	.35246	.32788

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	51805.	1997.0	1935.9	51840.	1974.7	482.07	501.9
Stddev	160.	1.7	1.4	165.	3.4	1.30	1.6
%RSD	.30964	.08490	.07428	.31908	.16984	.27004	.3123

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Sample Name: CCV Acquired: 5/30/2013 2:07:33 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	511.68	5158.5	5097.9	994.94	1992.9	2013.0	F 5700.3
Stddev	.99	4.8	10.6	2.13	5.9	4.5	155.4
%RSD	.19252	.09249	.20883	.21420	.29851	.22376	2.7262

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value							5000.0
Range							10.500%

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	4986.5
Stddev	13.8
%RSD	.27708

Check ?	Chk Pass
Value	
Range	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6619.2	5625.6	64656.	10502.
Stddev	17.6	13.0	318.	78.
%RSD	.26623	.23178	.49165	.74251

Sample Name: CCB Acquired: 5/30/2013 2:11:20 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-0.09674	-3.7870	2.3974	8.7981	1.4180	.02055	1.1988
Stddev	.28176	9.7066	.4662	2.3073	.3641	.03583	1.2518
%RSD	291.26	256.31	19.444	26.225	25.678	174.37	104.43

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2671	.59013	.00088	.66358	22.602	103.69	3.2906
Stddev	.2755	.99103	.08824	.33408	2.611	16.76	.6964
%RSD	103.2	167.93	10025.	50.345	11.552	16.163	21.162

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.91386	.04829	2.3633	28.346	.82813	F 3.5651	-1.045
Stddev	9.3517	.09444	1.1249	7.906	1.4892	4.3110	.922
%RSD	1023.3	195.56	47.597	27.893	179.82	120.92	88.30

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						3.0000	
Low Limit						-3.0000	

Sample Name: CCB Acquired: 5/30/2013 2:11:20 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-0.06217	3.3251	1.8582	1.9838	-.74677	3.6387	25.187
Stddev	1.7776	2.8389	.3819	.9389	1.7912	4.8004	6.203
%RSD	2859.4	85.376	20.554	47.328	239.86	131.93	24.627

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	-.59539
Stddev	.89607
%RSD	150.50

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7336.4	5864.8	67906.	10933.
Stddev	55.2	40.4	747.	29.
%RSD	.75288	.68814	1.0996	.26594

Sample Name: 240-24831-b-49-a@5 Acquired: 5/30/2013 2:15:15 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.5887	11693.	79.597	28.569	5220.5	1.7118	9781.9	12.36
Stddev	.1116	38.	.546	1.527	31.3	.3566	29.7	.33
%RSD	2.4324	.32425	.68587	5.3463	.59958	20.831	.30355	2.650

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14.892	51.579	9744.4	60328.	855.82	9.1826	13346.	560.56
Stddev	.675	.195	16.2	105.	12.23	1.3113	63.	1.12
%RSD	4.5299	.37847	.16664	.17438	1.4288	14.281	.47523	.19950

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.7824	336.14	86.613	1943.6	-.4533	4.6084	102.67	996.19
Stddev	.5632	9.71	.900	2.6	.3108	2.3938	1.52	1.16
%RSD	11.776	2.8889	1.0394	.13163	68.58	51.945	1.4818	.11670

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: 240-24831-b-49-a@5 Acquired: 5/30/2013 2:15:15 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.0748	41.108	1540.1	703.02	105.12
Stddev	.6109	1.342	3.5	11.36	4.20
%RSD	29.443	3.2639	.23010	1.6152	3.9967

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7028.4	5798.3	69498.	11293.
Stddev	12.6	8.3	47.	86.
%RSD	.17905	.14283	.06795	.76388

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 Value 98.848% 102.85% 105.55% 104.51%
 Range

Sample Name: 240-24831-b-50-a Acquired: 5/30/2013 2:19:11 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	414.89	99387.	1681.6	128.95	F 25457.	5.4566
Stddev	.61	152.	2.3	.33	205.	.0110
%RSD	.14583	.15282	.13921	.25449	.80583	.20135

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					25000.	
Low Limit					-500000.	

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	126920.	78.60	190.64	381.19	F 88239.	F 710780.
Stddev	727.	.07	.38	1.38	516.	2468.
%RSD	.57301	.0884	.19927	.36238	.58465	.34716

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail
High Limit					30000.	500000.
Low Limit					-500000.	-500000.

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4487.4	77.908	76303.	6763.1	98.888	967.29
Stddev	15.7	1.065	258.	32.1	.364	7.85
%RSD	.34876	1.3672	.33812	.47495	.36801	.81189

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 240-24831-b-50-a Acquired: 5/30/2013 2:19:11 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	654.06	F 87412.	338.5	48.745	12823.	14332.
Stddev	.33	99.	2.1	3.041	33.	113.
%RSD	.05037	.11329	.6305	6.2389	.25776	.78509

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		15000.				
Low Limit		-500000.				

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.3416	504.64	F 20550.	2711.0	2881.1
Stddev	1.0288	1.25	32.	23.6	8.2
%RSD	43.939	.24672	.15691	.87133	.28430

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			10000.		
Low Limit			-500000.		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5902.9	5818.8	73725.	12594.
Stddev	9.1	10.2	264.	29.
%RSD	.15473	.17531	.35756	.23225

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	83.018%	103.22%	111.97%	116.54%
Range				

Sample Name: 240-24831-b-50-a@5 Acquired: 5/30/2013 2:23:41 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	93.142	23061.	364.35	29.509	6071.8	1.2701	30137.
Stddev	.212	42.	.94	.123	74.2	.0450	34.
%RSD	.22719	.18352	.25692	.41693	1.2217	3.5414	.11401

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16.97	36.149	91.157	20442.	184540.	993.77	16.579
Stddev	.11	.307	.466	105.	1070.	3.86	.616
%RSD	.6769	.84817	.51164	.51278	.57990	.38877	3.7128

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18274.	1663.5	21.733	226.56	126.50	F 20191.	75.01
Stddev	20.	5.8	.045	5.80	.66	21.	1.82
%RSD	.10844	.34572	.20818	2.5615	.52388	.10213	2.430

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						15000.	
Low Limit						-500000.	

Sample Name: 240-24831-b-50-a@5 Acquired: 5/30/2013 2:23:41 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.7991	2519.4	3430.7	2.1758	117.50	4173.7	652.31
Stddev	2.3759	2.1	28.0	.5582	2.73	6.3	4.85
%RSD	24.246	.08380	.81510	25.653	2.3212	.15089	.74396

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	689.96
Stddev	3.61
%RSD	.52369

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6934.1	5864.7	69905.	11642.
Stddev	14.1	10.2	210.	44.
%RSD	.20362	.17412	.30005	.37551

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.521%	104.03%	106.17%	107.74%
Range				

Sample Name: 240-24831-b-51-a Acquired: 5/30/2013 2:27:59 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-72687	136900.	298.26	362.07	830.50	6.0233	112760.
Stddev	.45300	241.	1.30	.33	3.99	.0260	928.
%RSD	62.323	.17607	.43626	.09189	.48011	.43156	.82302

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.923	65.578	252.49	2896.6	143040.	21799.	64.082
Stddev	.161	.211	.89	8.3	1808.	67.	.638
%RSD	5.520	.32176	.35158	.28522	1.2639	.30962	.99539

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	71614.	2991.3	2.9723	10503.	185.03	175.86	-1.374
Stddev	168.	45.3	.1404	31.	.61	2.60	.162
%RSD	.23524	1.5156	4.7234	.29300	.32757	1.4775	11.77

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24831-b-51-a Acquired: 5/30/2013 2:27:59 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	40.868	37.625	3843.8	.39978	366.90	554.64	2082.7
Stddev	.870	.579	74.8	1.0526	.90	1.61	10.8
%RSD	2.1285	1.5394	1.9460	263.29	.24447	.29093	.51811

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1169.5
Stddev	5.2
%RSD	.44263

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6455.0	6218.0	71884.	12282.
Stddev	35.4	37.2	654.	27.
%RSD	.54866	.59876	.90928	.21867

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.783%	110.30%	109.17%	113.66%
Range				

Sample Name: 240-24831-b-52-a Acquired: 5/30/2013 2:32:16 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.8284	116700.	1343.7	324.49	2139.7	7.6222	355980.
Stddev	.1771	178.	1.4	.57	2.1	.0381	2578.
%RSD	6.2623	.15293	.10320	.17413	.09930	.49937	.72417

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15.16	113.57	359.95	17194.	311600.	15342.	310.27
Stddev	.18	.18	.61	102.	1422.	39.	2.46
%RSD	1.189	.16166	.17052	.59259	.45619	.25151	.79366

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	173730.	3812.6	21.901	6224.8	793.62	11900.	-9.536
Stddev	103.	5.4	.122	36.8	.65	17.	2.158
%RSD	.05943	.14187	.55730	.59174	.08212	.14589	22.63

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24831-b-52-a Acquired: 5/30/2013 2:32:16 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	38.157	88.041	3745.4	18.312	411.00	2473.5	2716.7
Stddev	.453	.879	25.4	1.044	2.28	1.0	10.1
%RSD	1.1869	.99875	.67795	5.7029	.55355	.03908	.37285

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1369.1
Stddev	5.3
%RSD	.38791

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6041.3	5922.8	70211.	11701.
Stddev	5.1	5.8	122.	121.
%RSD	.08452	.09723	.17326	1.0325

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	84.965%	105.06%	106.63%	108.29%
Range				

Sample Name: 240-24831-b-52-a@5 Acquired: 5/30/2013 2:36:39 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.20055	26231.	298.24	73.704	478.29	1.7007	83471.	3.424
Stddev	.49818	19.	1.51	.096	.81	.0273	40.	.041
%RSD	248.40	.07122	.50486	.13050	.16922	1.6037	.04773	1.203

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	22.764	84.383	3801.4	75578.	3363.6	67.456	40143.	901.64
Stddev	.074	.145	2.2	118.	18.5	.525	44.	1.22
%RSD	.32635	.17135	.05817	.15567	.55067	.77873	.10860	.13531

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.5924	1382.2	161.79	2704.0	-2.693	8.9882	18.058	852.90
Stddev	.2062	2.7	.18	4.3	.755	.5836	.575	.39
%RSD	4.4893	.19449	.10868	.16034	28.03	6.4925	3.1857	.04520

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: 240-24831-b-52-a@5 Acquired: 5/30/2013 2:36:39 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	4.4223	93.158	506.81	603.22	316.49
Stddev	.5506	2.161	.42	7.08	3.73
%RSD	12.450	2.3201	.08230	1.1731	1.1770

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6770.4	5751.0	66637.	10881.
Stddev	9.3	5.8	266.	9.
%RSD	.13718	.10012	.39947	.08557

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 Value 95.219% 102.01% 101.20% 100.70%
 Range

Sample Name: 240-24504-b-1-h@4 Acquired: 5/30/2013 2:40:33 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.66723	159.41	5.9599	21.801	233.60	-.18560	206410.
Stddev	.08926	223.12	.9409	.550	4.14	.05610	6129.
%RSD	13.377	139.97	15.788	2.5248	1.7736	30.227	2.9692

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0832	1.9129	2.7013	64.573	392.71	1444.0	-7.5352
Stddev	.1086	.1971	.2273	12.908	591.69	45.9	2.6271
%RSD	130.5	10.301	8.4141	19.990	150.67	3.1782	34.865

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4868.8	287.04	1.5148	352110.	12.359	25.030	-2.928
Stddev	209.7	2.99	.0784	8605.	.967	9.630	.676
%RSD	4.3063	1.0418	5.1743	2.4438	7.8201	38.472	23.11

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24504-b-1-h@4 Acquired: 5/30/2013 2:40:33 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.2544	13.920	18.718	.71050	.93312	12.939	4474.2
Stddev	2.2991	.447	3.289	.73078	1.8718	2.363	115.2
%RSD	183.28	3.2117	17.570	102.85	200.60	18.261	2.5752

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	575.89
Stddev	.86
%RSD	.14913

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6368.6	5439.3	62479.	10324.
Stddev	6.6	8.3	194.	266.
%RSD	.10291	.15341	.31007	2.5792

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	89.568%	96.484%	94.888%	95.545%
Range				

Sample Name: 240-24831-b-2-a Acquired: 5/30/2013 2:44:42 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-62398	30569.	34.408	47.388	381.22	3.8098	16185.	.4769
Stddev	.32673	81.	.762	.167	.51	.0359	106.	.0501
%RSD	52.361	.26617	2.2140	.35259	.13448	.94255	.65286	10.51

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	28.461	49.713	1085.5	63985.	2407.1	44.456	10482.	1089.9
Stddev	.207	.117	5.7	302.	25.5	.797	76.	1.9
%RSD	.72829	.23484	.52470	.47203	1.0588	1.7921	.72678	.17344

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.2940	1034.8	76.827	4122.4	-3.809	4.3354	16.403	1689.6
Stddev	.1533	41.0	.380	2.7	1.852	1.4033	.193	2.2
%RSD	4.6524	3.9622	.49511	.06435	48.62	32.369	1.1785	.13191

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24831-b-2-a Acquired: 5/30/2013 2:44:42 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.12019	130.16	164.72	1748.0	311.99
Stddev	.77723	2.52	.56	1.4	1.16
%RSD	646.69	1.9374	.33795	.08011	.37252

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6971.1	6117.0	71046.	11461.
Stddev	15.3	5.7	439.	48.
%RSD	.21885	.09368	.61788	.42090

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.042%	108.51%	107.90%	106.06%
Range				

Sample Name: mb 240-87584/1-a Acquired: 5/30/2013 2:48:30 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.16655	85.621	1.4234	1.0909	2.2689	-.06583	394.01
Stddev	.17150	46.727	.2215	.2216	1.0544	.04254	139.58
%RSD	102.97	54.574	15.560	20.310	46.473	64.612	35.426

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1137	-.10591	.04206	1.6189	F 190.65	61.708	1.8299
Stddev	.1242	.13878	.30133	.5274	125.38	27.388	1.5499
%RSD	109.2	131.03	716.47	32.575	65.764	44.382	84.699

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit					100.00		
Low Limit					-1000.0		

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	110.66	1.5768	-.18541	236.86	.51128	1.6650	-1.082
Stddev	50.33	.2367	.05699	61.84	.47673	1.2270	.474
%RSD	45.481	15.014	30.738	26.108	93.242	73.690	43.84

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: mb 240-87584/1-a Acquired: 5/30/2013 2:48:30 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.3813	28.308	1.4094	-.56598	.50071	19.505	42.011
Stddev	1.4507	.287	.3409	.51988	.40889	.115	6.798
%RSD	105.03	1.0137	24.188	91.853	81.661	.58954	16.183

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	.26907
Stddev	1.7811
%RSD	661.94

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7185.8	5800.8	67975.	10664.
Stddev	22.8	17.1	112.	17.
%RSD	.31752	.29516	.16509	.15726

Sample Name: lcs 240-87584/2-a Acquired: 5/30/2013 2:52:22 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47.151	1919.6	1840.5	944.60	1921.0	48.846	49935.	49.00
Stddev	.181	16.6	5.8	1.26	2.9	.243	43.	.13
%RSD	.38391	.86707	.31697	.13308	.15243	.49670	.08620	.2608

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	468.33	185.64	239.81	1078.4	48082.	937.78	49145.	487.44
Stddev	1.16	.85	8.31	31.2	69.	2.42	16.	.82
%RSD	.24855	.45987	3.4640	2.8904	.14306	.25767	.03283	.16816

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	925.61	49331.	471.12	456.86	455.7	1886.9	1929.1	970.61
Stddev	2.75	112.	1.03	2.65	2.1	3.3	2.5	2.09
%RSD	.29694	.22766	.21921	.58017	.4643	.17733	.13057	.21551

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: lcs 240-87584/2-a Acquired: 5/30/2013 2:52:22 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	TI1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1859.6	478.30	489.42	1045.4	926.44
Stddev	5.9	3.60	.91	24.4	6.60
%RSD	.31969	.75258	.18559	2.3310	.71229

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6588.9	5501.8	63557.	10586.
Stddev	7.6	5.7	374.	26.
%RSD	.11603	.10366	.58921	.25019

Sample Name: CCV Acquired: 5/30/2013 2:56:02 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1004.5	25047.	499.84	5058.1	1999.1	2064.1	52317.
Stddev	2.7	30.	.38	12.0	4.1	.5	59.
%RSD	.27009	.11876	.07582	.23816	.20671	.02397	.11306

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	499.7	1970.3	1939.5	1933.1	25402.	50441.	5017.2
Stddev	.9	2.9	4.0	2.0	38.	50.	5.3
%RSD	.1803	.14579	.20529	.10604	.15032	.09845	.10500

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	51638.	1990.9	1924.1	51476.	1968.0	478.52	499.3
Stddev	65.	1.4	1.3	45.	1.4	1.72	1.5
%RSD	.12506	.06943	.06828	.08798	.07265	.35895	.2911

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Sample Name: CCV Acquired: 5/30/2013 2:56:02 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	507.88	5131.5	5087.6	995.32	1984.5	2014.2	F 5630.9
Stddev	2.11	8.2	17.0	.83	2.0	2.7	140.4
%RSD	.41535	.16070	.33362	.08377	.10019	.13296	2.4942

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value							5000.0
Range							10.500%

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	4960.1
Stddev	6.8
%RSD	.13617

Check ?	Chk Pass
Value	
Range	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6642.1	5652.0	65057.	10613.
Stddev	11.8	12.8	277.	18.
%RSD	.17819	.22640	.42529	.17031

Sample Name: CCB Acquired: 5/30/2013 2:59:48 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .34757	16.464	2.1161	7.1562	2.0240	F 1.3806	51.362
Stddev	.33439	13.736	.3761	.2167	1.3486	.8393	31.827
%RSD	96.208	83.431	17.773	3.0286	66.630	60.792	61.966

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						1.0000	
Low Limit						-1.0000	

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .0567	- .05593	.13496	.16166	18.706	212.23	7.8222
Stddev	.0986	.00492	.07339	.63830	10.217	15.93	1.8341
%RSD	174.1	8.8008	54.378	394.85	54.621	7.5075	23.448

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50.421	.10235	1.7635	97.844	.12498	- .18518	- .6582
Stddev	23.669	.23957	.2541	34.824	.42040	.92307	.9174
%RSD	46.943	234.07	14.407	35.591	336.38	498.48	139.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: CCB Acquired: 5/30/2013 2:59:48 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.7679	1.9773	2.1210	.82323	1.5139	-.16109	27.724
Stddev	1.3610	.6614	.4684	.16484	1.5471	.04273	3.394
%RSD	76.984	33.448	22.086	20.023	102.19	26.527	12.242

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	2.7280
Stddev	5.5231
%RSD	202.46

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7313.0	5830.4	68171.	10704.
Stddev	29.6	22.9	275.	37.
%RSD	.40499	.39255	.40363	.34600

Sample Name: 240-24612-b-22-b Acquired: 5/30/2013 3:03:43 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.4734	46700.	26.203	35.653	394.64	2.4591	48300.	1.022
Stddev	.5438	38.	1.093	3.716	.42	.0426	82.	.223
%RSD	36.910	.08116	4.1710	10.422	.10690	1.7326	.16966	21.82

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50.253	110.22	113.38	92829.	4508.9	38.958	28462.	2157.3
Stddev	1.202	.04	.88	53.	18.1	1.419	31.	12.0
%RSD	2.3917	.03697	.77865	.05717	.40084	3.6427	.10764	.55485

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.9259	757.76	121.15	42.319	-2.472	4.0123	24.458	2376.1
Stddev	1.3322	5.02	1.09	3.884	.687	1.1288	3.893	8.4
%RSD	45.531	.66223	.89909	9.1781	27.78	28.133	15.915	.35358

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24612-b-22-b Acquired: 5/30/2013 3:03:43 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.2176	190.24	242.47	2948.8	121.25
Stddev	2.0961	1.12	.64	13.2	1.16
%RSD	172.15	.58774	.26214	.44749	.95481

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6775.7	6102.9	69947.	11224.
Stddev	26.2	14.3	303.	52.
%RSD	.38637	.23365	.43382	.46026

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.294%	108.25%	106.23%	103.87%
Range				

Sample Name: sd 240-24612-b-22-@5 Acquired: 5/30/2013 3:07:39 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .47664	10379.	7.1899	11.033	88.082	1.9979	10756.	.3935
Stddev	.26363	34.	1.5575	1.197	.711	.5411	54.	.1371
%RSD	55.311	.33070	21.662	10.852	.80705	27.081	.49886	34.85

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.394	24.803	26.298	20979.	1038.5	12.077	6534.2	483.87
Stddev	.402	.289	.889	108.	51.3	2.431	56.3	.90
%RSD	3.8666	1.1647	3.3811	.51565	4.9370	20.131	.86124	.18565

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.88998	337.62	25.058	10.034	-1.554	1.1448	5.9550	519.25
Stddev	.31971	58.22	.127	.171	1.455	1.5715	1.0239	.69
%RSD	35.923	17.244	.50723	1.7033	93.67	137.28	17.195	.13220

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: sd 240-24612-b-22-@5 Acquired: 5/30/2013 3:07:39 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.93228	44.518	51.612	656.99	29.926
Stddev	.63463	.268	.340	1.31	2.605
%RSD	68.073	.60239	.65962	.19881	8.7029

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7112.3	5842.0	67060.	10572.
Stddev	12.2	13.0	170.	50.
%RSD	.17180	.22166	.25322	.46990

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.03%	103.63%	101.85%	97.837%
Range				

Sample Name: PDS 240-24612-b-22-b Acquired: 5/30/2013 3:11:28 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	87.758	51297.	308.51	2947.5	439.80	28.754	58422.	337.3
Stddev	1.017	331.	1.71	2.7	.38	.806	393.	.1
%RSD	1.1595	.64432	.55491	.08994	.08613	2.8027	.67282	.0155

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	208.53	303.21	548.51	97447.	9369.5	38.947	31422.	2154.7
Stddev	.30	.19	1.21	759.	42.7	3.279	292.	13.9
%RSD	.14501	.06243	.22023	.77851	.45531	8.4180	.92869	.64647

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	96.972	51321.	386.57	178.64	137.4	390.63	341.34	2877.1
Stddev	.312	394.	1.54	.97	.9	1.52	1.33	1.1
%RSD	.32172	.76674	.39727	.54538	.6712	.38918	.38962	.03810

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: PDS 240-24612-b-22-b Acquired: 5/30/2013 3:11:28 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	474.65	241.32	778.60	3029.1	123.04
Stddev	1.31	1.59	2.44	19.4	5.04
%RSD	.27610	.65832	.31300	.64111	4.0954

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6632.2	6078.4	68515.	11116.
Stddev	44.2	39.0	169.	143.
%RSD	.66572	.64202	.24593	1.2861

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 Value 93.276% 107.82% 104.06% 102.87%
 Range

Sample Name: 240-24612-b-22-c du Acquired: 5/30/2013 3:15:15 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.4086	50026.	32.037	33.775	381.51	2.9936	43100.
Stddev	.4078	58.	.953	.698	.49	.0420	29.
%RSD	28.951	.11615	2.9742	2.0658	.12819	1.4032	.06710

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.8762	52.204	138.26	99.517	125110.	4050.4	42.000
Stddev	.0529	.186	.67	1.382	566.	22.8	1.186
%RSD	6.043	.35577	.48698	1.3887	.45231	.56410	2.8244

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	27409.	2903.9	1.5859	779.84	139.37	43.899	-2.363
Stddev	53.	25.7	.0497	14.30	.14	.949	.758
%RSD	.19383	.88423	3.1307	1.8334	.10029	2.1613	32.09

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24612-b-22-c du Acquired: 5/30/2013 3:15:15 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.6501	20.214	2623.4	.68445	238.41	260.78	2875.8
Stddev	1.1615	.126	7.5	.23467	1.65	.50	18.6
%RSD	43.827	.62320	.28708	34.285	.69364	.19311	.64649

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	115.23
Stddev	1.38
%RSD	1.1952

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6766.4	6123.0	71113.	11730.
Stddev	8.7	6.6	1273.	25.
%RSD	.12847	.10805	1.7906	.21127

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.162%	108.61%	108.00%	108.56%
Range				

Sample Name: 240-24612-b-22-d.ms Acquired: 5/30/2013 3:19:19 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	41.878	64400.	1741.8	905.05	2335.8	48.475	93943.
Stddev	.346	51.	3.5	.59	2.9	.064	746.
%RSD	.82731	.07867	.19920	.06542	.12611	.13180	.79419

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	45.81	533.95	299.00	326.23	106070.	49790.	927.56
Stddev	.20	.81	.45	.89	304.	97.	2.70
%RSD	.4382	.15138	.15015	.27379	.28689	.19406	.29138

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	74523.	4603.9	839.79	46601.	623.24	487.20	213.5
Stddev	75.	26.0	.73	57.	.85	1.15	1.5
%RSD	.10055	.56408	.08719	.12323	.13612	.23525	.6898

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24612-b-22-d.ms Acquired: 5/30/2013 3:19:19 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1730.3	1859.5	4088.4	1881.3	699.17	753.12	5858.2
Stddev	3.2	.4	20.7	4.4	5.22	1.11	51.9
%RSD	.18210	.02022	.50737	.23375	.74621	.14793	.88657

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1012.5
Stddev	2.7
%RSD	.26723

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6365.0	5928.7	68370.	11255.
Stddev	14.8	10.7	173.	6.
%RSD	.23180	.17995	.25369	.05192

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	89.517%	105.17%	103.84%	104.16%
Range				

Sample Name: 240-24612-b-22-e msd Acquired: 5/30/2013 3:23:23 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	42.296	59873.	1745.9	908.95	2203.2	48.578	88171.	46.00
Stddev	.130	47.	3.0	.85	7.3	.118	270.	.19
%RSD	.30641	.07915	.17172	.09318	.33134	.24375	.30619	.4175

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	527.78	287.84	309.87	90369.	49805.	927.52	71631.	2409.4
Stddev	.94	.53	.73	401.	213.	2.63	236.	28.7
%RSD	.17726	.18339	.23463	.44426	.42723	.28390	.32966	1.1909

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	847.90	46990.	595.48	456.48	214.9	1747.6	1868.0	3424.7
Stddev	2.43	160.	.85	1.18	2.8	3.1	3.0	3.4
%RSD	.28634	.34141	.14222	.25767	1.323	.17598	.16166	.09923

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: 240-24612-b-22-e msd Acquired: 5/30/2013 3:23:23 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1881.0	653.68	722.18	6442.0	1004.3
Stddev	3.0	.36	1.12	89.3	4.8
%RSD	.15693	.05546	.15523	1.3865	.48086

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6450.2	5966.3	67395.	10971.
Stddev	24.8	17.9	423.	101.
%RSD	.38483	.30042	.62700	.91896

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 Value 90.715% 105.83% 102.35% 101.53%
 Range

Sample Name: 240-24612-e-23-d Acquired: 5/30/2013 3:27:18 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.2557	53671.	33.222	30.733	507.23	2.8209	79976.
Stddev	.3419	32.	.974	.132	.66	.0438	1283.
%RSD	27.226	.06047	2.9332	.43015	.12919	1.5533	1.6042

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.7369	52.654	116.68	116.59	112630.	5382.3	41.963
Stddev	.0787	.170	.38	.94	1129.	36.4	1.494
%RSD	10.67	.32217	.32728	.80263	1.0025	.67560	3.5590

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	33131.	2891.4	2.3346	904.96	132.37	47.319	-.9972
Stddev	96.	7.6	.1223	2.02	.50	1.221	1.022
%RSD	.29083	.26362	5.2385	.22273	.37852	2.5805	102.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24612-e-23-d Acquired: 5/30/2013 3:27:18 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.5398	21.243	2580.2	.38049	230.14	338.95	2955.2
Stddev	2.1978	.413	2.6	1.2544	.62	1.52	26.7
%RSD	86.532	1.9445	.09990	329.68	.26921	.44964	.90282

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	144.65
Stddev	2.49
%RSD	1.7214

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6840.7	6257.0	72139.	11689.
Stddev	36.2	21.0	234.	27.
%RSD	.52957	.33564	.32392	.23134

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.207%	110.99%	109.56%	108.17%
Range				

Sample Name: CRI Acquired: 5/30/2013 3:31:31 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.7616	217.16	16.628	203.99	195.53	5.1364	5240.0
Stddev	.1518	6.51	.512	.36	.22	.0365	8.8
%RSD	1.5554	2.9987	3.0792	.17879	.11282	.71076	.16804

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.999	9.3971	10.958	18.337	242.86	5048.2	48.508
Stddev	.080	.0577	1.201	1.054	4.48	36.8	1.621
%RSD	1.606	.61368	10.960	5.7488	1.8464	.72849	3.3418

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5367.1	F 28.960	38.930	5215.5	39.445	9.8513	18.79
Stddev	29.8	16.438	.178	20.4	.271	.8215	1.33
%RSD	.55433	56.762	.45799	.39189	.68586	8.3394	7.059

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		15.000					
Range		30.500%					

Sample Name: CRI Acquired: 5/30/2013 3:31:31 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19.529	99.016	F 511.79	20.493	9.7393	48.296	573.15
Stddev	1.097	.327	11.45	.881	1.1646	.173	11.73
%RSD	5.6190	.33035	2.2375	4.3006	11.958	.35882	2.0458

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			50.000				
Range			30.500%				

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	51.347
Stddev	3.594
%RSD	6.9996

Check ?	None
Value	
Range	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7256.1	5832.0	67085.	10491.
Stddev	27.5	21.4	194.	76.
%RSD	.37872	.36627	.28886	.72611

Sample Name: mb 240-87590/1-a Acquired: 5/30/2013 3:35:18 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.75875	23.482	1.9557	3.1028	1.0898	-.07470	221.80
Stddev	.09937	7.463	.2075	.1467	.1093	.01868	2.71
%RSD	13.097	31.783	10.610	4.7264	10.030	25.011	1.2208

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1067	-.19302	.31378	.26625	41.028	61.084	-.03910
Stddev	.0351	.08717	.07146	.34989	2.063	25.055	.40444
%RSD	32.88	45.163	22.773	131.41	5.0272	41.017	1034.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	56.414	1.3307	-.23069	126.04	.37437	-.68740	-1.942
Stddev	12.359	.1555	.01916	15.68	.20025	1.2294	1.199
%RSD	21.908	11.685	8.3077	12.438	53.491	178.85	61.77

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: mb 240-87590/1-a Acquired: 5/30/2013 3:35:18 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.70823	29.374	1.8060	.18804	.45590	F 32.085	24.781
Stddev	3.4147	.325	.4109	.14840	1.3241	.103	3.059
%RSD	482.14	1.1056	22.751	78.915	290.42	.32225	12.344

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						20.000	
Low Limit						-1000.0	

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	-.41304
Stddev	3.3489
%RSD	810.78

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7187.8	5794.6	67095.	10567.
Stddev	21.3	20.4	174.	122.
%RSD	.29649	.35126	.25965	1.1544

Sample Name: lcs 240-87590/2-a Acquired: 5/30/2013 3:39:10 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	46.786	1886.3	1843.2	937.44	1884.8	49.194	50401.	48.18
Stddev	.338	3.3	3.2	.40	3.2	.034	24.	.22
%RSD	.72214	.17507	.17444	.04308	.16807	.06821	.04704	.4656

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	468.08	185.84	226.09	1016.8	48321.	943.21	50525.	488.11
Stddev	1.15	.08	.98	4.1	98.	1.86	187.	1.15
%RSD	.24654	.04325	.43325	.40090	.20358	.19762	.36944	.23552

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	925.19	49619.	471.88	457.07	452.0	1867.4	1911.8	968.90
Stddev	.77	72.	.71	.53	1.5	5.4	5.5	1.67
%RSD	.08357	.14536	.15002	.11521	.3365	.29056	.28915	.17188

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: lcs 240-87590/2-a Acquired: 5/30/2013 3:39:10 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	TI1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1862.5	480.39	492.68	1048.2	948.15
Stddev	3.5	1.79	.31	18.1	.78
%RSD	.18999	.37304	.06343	1.7300	.08185

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6621.7	5521.0	62995.	10133.
Stddev	16.5	14.7	112.	83.
%RSD	.24988	.26637	.17731	.81727

Sample Name: CCV Acquired: 5/30/2013 3:42:49 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1008.5	25450.	507.85	5107.2	1996.5	2119.2	53561.
Stddev	.8	38.	3.15	3.7	.4	4.8	117.
%RSD	.07877	.14812	.62060	.07212	.02139	.22732	.21883

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	504.7	2010.6	1977.8	1933.1	26281.	51410.	5120.8
Stddev	.3	2.5	1.8	2.0	75.	73.	15.2
%RSD	.0555	.12405	.09027	.10229	.28395	.14291	.29762

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	53895.	2043.5	1954.8	52480.	2011.7	491.84	499.7
Stddev	172.	6.6	.4	103.	1.7	1.23	2.4
%RSD	.31984	.32443	.02094	.19543	.08293	.24993	.4777

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Sample Name: CCV Acquired: 5/30/2013 3:42:49 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	514.81	5203.9	5161.9	1013.9	2021.8	2074.2	F 5711.3
Stddev	3.70	15.2	30.7	.3	4.6	3.4	151.8
%RSD	.71931	.29190	.59519	.03247	.22955	.16572	2.6576

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value							5000.0
Range							10.500%

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	5140.4
Stddev	22.1
%RSD	.43088

Check ?	Chk Pass
Value	
Range	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6539.7	5562.7	62968.	10072.
Stddev	18.0	12.6	135.	39.
%RSD	.27526	.22663	.21436	.38535

Sample Name: CCB Acquired: 5/30/2013 3:46:36 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.16410	17.315	4.1727	12.135	2.1712	F 1.1176	57.284
Stddev	.23596	26.329	1.5102	3.851	2.8785	1.5570	82.156
%RSD	143.79	152.06	36.192	31.739	132.58	139.31	143.42

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						1.0000	
Low Limit						-1.0000	

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3125	1.3512	.74398	.52799	24.850	217.61	5.1093
Stddev	.4280	1.7596	.57596	.81132	35.778	82.99	6.0594
%RSD	136.9	130.22	77.416	153.66	143.98	38.135	118.59

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	45.614	1.2488	3.4242	122.67	1.6176	-.02141	.1425
Stddev	80.712	.8511	2.1870	76.92	1.8119	1.3687	1.507
%RSD	176.95	68.154	63.868	62.703	112.01	6391.8	1058.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: CCB Acquired: 5/30/2013 3:46:36 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.7483	5.9328	4.4256	2.0086	2.1882	1.4091	22.938
Stddev	2.7080	4.3422	1.6680	2.0443	2.8436	1.7021	11.826
%RSD	98.534	73.189	37.689	101.78	129.95	120.79	51.558

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	3.9679
Stddev	4.5782
%RSD	115.38

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7245.4	5794.3	66112.	10287.
Stddev	20.5	15.1	88.	67.
%RSD	.28245	.26034	.13270	.64914

Sample Name: 240-24900-f-1-a Acquired: 5/30/2013 3:50:31 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.3750	82860.	75.827	233.49	3803.3	13.060
Stddev	.2807	235.	1.603	.82	77.7	1.534
%RSD	11.817	.28318	2.1140	.34967	2.0419	11.742

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 605950.	19.38	59.669	1219.0	915.34	256870.
Stddev	7164.	.19	.267	.3	2.29	1263.
%RSD	1.1822	.9672	.44695	.02179	.25054	.49169

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500000.					
Low Limit	-500000.					

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9722.1	93.558	150630.	F 19678.	38.808	5436.8
Stddev	53.5	2.777	342.	159.	.085	56.5
%RSD	.55042	2.9678	.22693	.80913	.21977	1.0385

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				15000.		
Low Limit				-500000.		

Sample Name: 240-24900-f-1-a Acquired: 5/30/2013 3:50:31 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	511.95	6423.3	-1.077	14.751	177.85	2819.4
Stddev	.57	6.7	.860	.135	.39	3.6
%RSD	.11066	.10417	79.82	.91446	.22014	.12732

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	13.139	373.54	7175.3	13032.	1599.0
Stddev	1.487	1.46	6.1	282.	7.3
%RSD	11.316	.39039	.08460	2.1628	.45527

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5829.2	5836.5	67490.	11310.
Stddev	5.6	16.4	383.	57.
%RSD	.09532	.28028	.56675	.50251

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	81.981%	103.53%	102.50%	104.67%
Range				

Sample Name: SD 240-24900-f-1-a@5 Acquired: 5/30/2013 3:54:46 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-44884	18593.	17.194	53.722	847.95	2.7392	145950.
Stddev	.42315	35.	2.321	.206	.76	.0458	1624.
%RSD	94.276	.18634	13.499	.38366	.08936	1.6715	1.1125

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.385	11.538	280.96	199.23	62007.	2091.0	15.922
Stddev	.139	.151	1.17	.89	278.	58.2	.622
%RSD	3.178	1.3121	.41478	.44533	.44852	2.7838	3.9038

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	35257.	4918.0	8.3738	1219.6	101.63	1457.7	-.4367
Stddev	59.	16.9	.1090	19.9	.22	1.1	.9246
%RSD	.16669	.34376	1.3020	1.6277	.21934	.07454	211.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: SD 240-24900-f-1-a@5 Acquired: 5/30/2013 3:54:46 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.5125	35.249	630.73	3.7019	83.439	1438.6	2940.4
Stddev	1.9378	.238	1.12	1.0485	1.050	3.6	47.4
%RSD	77.124	.67534	.17739	28.323	1.2580	.25243	1.6114

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	373.33
Stddev	1.40
%RSD	.37426

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6761.1	5783.4	65527.	10449.
Stddev	36.2	30.9	496.	29.
%RSD	.53526	.53481	.75693	.28041

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.088%	102.59%	99.517%	96.699%
Range				

Sample Name: 240-24900-f-1-b.ms Acquired: 5/30/2013 3:58:51 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47.775	67048.	1820.1	1070.0	3939.6	51.462
Stddev	.624	135.	2.6	1.7	39.2	.157
%RSD	1.3058	.20181	.14509	.16332	.99417	.30510

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 899580.	59.93	520.91	1131.4	781.08	196530.
Stddev	11777.	.21	.61	5.5	1.32	418.
%RSD	1.3092	.3439	.11760	.48298	.16873	.21258

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500000.					
Low Limit	-500000.					

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	54335.	966.84	366000.	F 22360.	851.08	51412.
Stddev	169.	1.48	1364.	255.	2.64	114.
%RSD	.31117	.15258	.37280	1.1390	.30984	.22089

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				15000.		
Low Limit				-500000.		

Sample Name: 240-24900-f-1-b.ms Acquired: 5/30/2013 3:58:51 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	669.04	3793.2	253.6	1785.5	1968.3	3564.2
Stddev	1.64	3.7	1.9	1.5	3.9	11.0
%RSD	.24457	.09812	.7580	.08206	.19748	.30958

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1858.8	1010.0	4704.0	23913.	2502.5
Stddev	5.3	2.7	7.0	558.	9.3
%RSD	.28743	.26861	.14917	2.3339	.37196

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5556.6	5461.8	63011.	10892.
Stddev	9.4	9.9	629.	96.
%RSD	.16906	.18195	.99750	.88057

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	78.147%	96.884%	95.696%	100.80%
Range				

Sample Name: 240-24900-f-1-c msd Acquired: 5/30/2013 4:03:03 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	46.092	69568.	1834.0	1033.4	4636.5	53.332
Stddev	.456	156.	5.0	1.2	25.7	.076
%RSD	.98880	.22411	.27148	.11532	.55426	.14279

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 544720.	62.21	534.02	563.68	865.81	166420.
Stddev	7657.	.34	.07	2.50	1.39	1915.
%RSD	1.4056	.5457	.01227	.44322	.16008	1.1510

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500000.					
Low Limit	-500000.					

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	54129.	988.96	157910.	10222.	855.48	51317.
Stddev	206.	2.43	413.	81.	1.48	144.
%RSD	.38138	.24579	.26157	.79102	.17343	.28000

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 240-24900-f-1-c msd Acquired: 5/30/2013 4:03:03 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	698.39	4692.7	232.0	1765.9	2027.9	2940.7
Stddev	.68	4.1	2.6	.8	2.0	4.8
%RSD	.09670	.08775	1.113	.04556	.09960	.16397

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1875.3	692.58	5639.6	21503.	1955.0
Stddev	2.6	1.54	1.2	538.	2.0
%RSD	.14054	.22192	.02198	2.5009	.10475

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5878.2	5686.0	64809.	11162.
Stddev	10.2	14.4	489.	63.
%RSD	.17399	.25368	.75490	.56512

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	82.671%	100.86%	98.427%	103.30%
Range				

Sample Name: 240-24920-c-1-i Acquired: 5/30/2013 4:07:15 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.5270	92126.	23.502	26.179	514.92	2.8427	20882.
Stddev	.7578	240.	5.687	2.760	.53	.0220	6.
%RSD	49.622	.25999	24.197	10.544	.10256	.77411	.03019

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.154	57.907	134.42	110.28	141100.	3361.4	66.648
Stddev	.246	1.454	.45	.70	970.	7.4	.729
%RSD	21.32	2.5109	.33357	.63116	.68745	.22081	1.0943

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	28790.	2994.5	3.7514	485.60	128.78	63.125	2.099
Stddev	112.	20.8	2.5142	4.84	1.92	15.239	2.134
%RSD	.38935	.69383	67.019	.99663	1.4879	24.141	101.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24920-c-1-i Acquired: 5/30/2013 4:07:15 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.1840	15.432	8781.8	2.9618	336.61	482.28	4666.2
Stddev	4.8886	5.253	26.0	5.5188	.93	13.79	111.1
%RSD	68.048	34.042	.29633	186.34	.27495	2.8592	2.3802

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	76.777
Stddev	2.237
%RSD	2.9135

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6768.1	5992.8	67230.	10822.
Stddev	76.6	69.7	23.	49.
%RSD	1.1318	1.1632	.03427	.45719

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.187%	106.30%	102.10%	100.14%
Range				

Sample Name: 240-24768-h-2-a Acquired: 5/30/2013 4:11:28 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.04698	194.87	33.436	36.798	10.359	.07078	^ *****	3.142
Stddev	.40488	87.58	9.808	5.774	3.808	.04751	-----	.344
%RSD	861.87	44.943	29.334	15.692	36.766	67.124	-----	10.95

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.8769	3.8108	k 356.27	9955.6	257.19	k 4.0653	1006.1	43.735
Stddev	2.6726	.5919	.55	207.8	47.09	.1262	200.8	11.755
%RSD	142.40	15.533	.15535	2.0874	18.311	3.1040	19.958	26.877

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13.514	3455.9	10.757	k 31.172	-.1429	8.8915	71.884	9.0940
Stddev	4.814	27.6	3.579	28.717	1.175	8.3401	8.987	4.0828
%RSD	35.626	.79961	33.272	92.123	822.5	93.799	12.502	44.895

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24768-h-2-a Acquired: 5/30/2013 4:11:28 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	TI1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	4.5924	.94219	1365.1	188.87	80.697
Stddev	9.2516	1.8160	10.6	18.60	2.217
%RSD	201.46	192.74	.77521	9.8479	2.7472

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7444.0	5959.7	68872.	10787.
Stddev	16.9	20.5	345.	93.
%RSD	.22673	.34464	.50078	.86365

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	104.69%	105.72%	104.60%	99.824%
Range				

Sample Name: 240-24900-c-2-a Acquired: 5/30/2013 4:15:18 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.6797	53937.	91.696	194.47	5911.0	5.4272
Stddev	.2070	112.	1.602	.18	45.7	.1050
%RSD	12.320	.20743	1.7471	.09446	.77278	1.9349

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 615520.	27.64	63.173	337.16	821.68	160270.
Stddev	2491.	.09	.355	.32	2.17	668.
%RSD	.40472	.3305	.56170	.09569	.26364	.41672

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500000.					
Low Limit	-500000.					

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7023.7	51.872	114450.	6747.3	24.164	3661.4
Stddev	63.8	2.633	438.	52.8	.111	105.3
%RSD	.90902	5.0757	.38266	.78238	.45765	2.8767

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 240-24900-c-2-a Acquired: 5/30/2013 4:15:18 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	210.09	12085.	1.042	9.2533	171.81	1704.2
Stddev	.77	26.	.806	1.5377	.81	2.3
%RSD	.36595	.21260	77.37	16.618	.47113	.13367

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	5.9543	192.39	F 11201.	8690.3	1597.1
Stddev	1.9781	1.45	18.	191.6	9.2
%RSD	33.222	.75485	.16305	2.2043	.57552

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			10000.		
Low Limit			-500000.		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6038.5	5683.5	65830.	11052.
Stddev	18.7	21.4	300.	61.
%RSD	.31038	.37679	.45508	.55569

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	84.925%	100.82%	99.978%	102.28%
Range				

Sample Name: 240-24900-c-3-a Acquired: 5/30/2013 4:19:37 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.62440	75484.	80.810	174.75	4141.8	12.270
Stddev	.37014	387.	1.858	.95	29.0	.032
%RSD	59.279	.51287	2.2997	.54104	.69993	.26317

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 632880.	19.63	58.432	337.40	820.84	224300.
Stddev	11198.	.08	.418	.41	1.15	2325.
%RSD	1.7694	.3914	.71531	.12011	.14042	1.0366

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500000.					
Low Limit	-500000.					

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9743.3	79.745	190020.	7825.7	39.821	4787.1
Stddev	43.3	1.309	1856.	32.0	.393	4.2
%RSD	.44439	1.6416	.97652	.40920	.98784	.08680

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 240-24900-c-3-a Acquired: 5/30/2013 4:19:37 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	338.53	4431.5	3.708	10.039	159.89	2044.2
Stddev	1.50	25.7	.807	2.330	1.50	1.1
%RSD	.44186	.58073	21.76	23.211	.94000	.05527

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	3.8999	191.47	9519.4	14079.	1257.2
Stddev	1.8954	1.57	81.5	140.	7.9
%RSD	48.602	.82144	.85656	.99544	.63164

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5805.0	5819.0	66053.	11269.
Stddev	73.0	71.6	184.	177.
%RSD	1.2576	1.2299	.27853	1.5744

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	81.641%	103.22%	100.32%	104.29%
Range				

Sample Name: 240-24900-c-4-a Acquired: 5/30/2013 4:23:55 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.5514	56621.	70.103	228.48	3906.3	6.2767
Stddev	.3966	87.	.583	.63	22.3	.0642
%RSD	15.545	.15392	.83172	.27642	.57034	1.0234

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 667400.	26.21	56.723	598.17	986.64	262090.
Stddev	5323.	.07	.487	1.24	.32	1891.
%RSD	.79763	.2805	.85780	.20810	.03253	.72167

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500000.					
Low Limit	-500000.					

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7523.1	48.036	198670.	10361.	63.178	5353.0
Stddev	53.3	.966	351.	19.	.331	18.4
%RSD	.70867	2.0107	.17649	.18149	.52429	.34397

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 240-24900-c-4-a Acquired: 5/30/2013 4:23:55 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	370.58	6854.4	9.066	7.6705	182.33	1962.0
Stddev	.10	15.3	.979	.6391	.63	1.3
%RSD	.02708	.22302	10.80	8.3322	.34556	.06838

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	8.1905	249.60	9368.9	10718.	1939.5
Stddev	1.2354	2.58	14.4	299.	4.5
%RSD	15.084	1.0332	.15323	2.7909	.23357

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5857.5	5642.0	64909.	10980.
Stddev	9.0	4.5	223.	63.
%RSD	.15375	.07988	.34290	.57442

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	82.380%	100.08%	98.579%	101.61%
Range				

Sample Name: 240-24900-d-5-a Acquired: 5/30/2013 4:28:14 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .94074	97044.	59.533	129.13	920.89	5.5462	476200.
Stddev	.40787	159.	.379	.72	2.43	.0551	10119.
%RSD	43.356	.16368	.63742	.55844	.26392	.99383	2.1249

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.021	93.485	291.01	365.72	212260.	18566.	200.77
Stddev	.078	.428	.64	1.52	2628.	29.	.57
%RSD	1.556	.45828	.22027	.41675	1.2381	.15778	.28515

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	141750.	6230.3	35.142	2323.0	296.10	833.61	-5.370
Stddev	785.	25.3	.149	10.4	.24	2.84	2.703
%RSD	.55376	.40664	.42313	.44556	.07969	.34011	50.33

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24900-d-5-a Acquired: 5/30/2013 4:28:14 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.8241	54.648	1532.4	4.4640	281.30	1578.9	3558.8
Stddev	1.0364	.294	.6	1.2226	1.53	1.7	31.6
%RSD	15.188	.53891	.03989	27.388	.54442	.10480	.88709

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	664.01
Stddev	4.03
%RSD	.60706

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5885.1	5762.7	66874.	11301.
Stddev	32.8	34.1	58.	165.
%RSD	.55688	.59168	.08615	1.4614

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	82.767%	102.22%	101.56%	104.59%
Range				

Sample Name: CCV Acquired: 5/30/2013 4:32:25 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1008.1	25663.	507.21	5104.3	2001.0	2137.6	54558.
Stddev	.9	87.	1.38	22.2	4.3	3.5	183.
%RSD	.09088	.33918	.27215	.43438	.21279	.16320	.33511

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	504.5	2012.5	1989.4	1934.3	26953.	51787.	5155.7
Stddev	1.3	7.4	1.9	.9	92.	120.	9.1
%RSD	.2616	.36575	.09699	.04448	.33968	.23165	.17574

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	54735.	2060.0	1965.2	52798.	2012.6	502.71	496.1
Stddev	154.	2.0	8.3	73.	7.0	8.43	5.0
%RSD	.28102	.09784	.42449	.13749	.34583	1.6766	1.006

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Sample Name: CCV Acquired: 5/30/2013 4:32:25 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	510.16	5175.5	5174.4	1016.9	2038.0	2094.7	F 5823.9
Stddev	4.92	15.2	8.7	2.9	3.6	10.1	172.9
%RSD	.96509	.29283	.16806	.28593	.17543	.47998	2.9682

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value							5000.0
Range							10.500%

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	5204.4
Stddev	18.1
%RSD	.34799

Check ?	Chk Pass
Value	
Range	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6553.2	5557.8	63263.	10016.
Stddev	56.5	46.8	245.	68.
%RSD	.86282	.84261	.38804	.67853

Sample Name: CCB Acquired: 5/30/2013 4:36:12 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.20774	24.376	2.2662	8.4888	1.4162	.46105	171.39	.0954
Stddev	.20715	13.874	1.5853	1.2746	.5120	.14063	50.99	.1730
%RSD	99.716	56.917	69.954	15.015	36.150	30.502	29.753	181.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.38761	.22653	.06102	71.076	130.95	2.9127	59.203	1.1623
Stddev	.36436	.21199	.60112	20.443	18.25	1.4732	20.152	.5950
%RSD	93.999	93.583	985.08	28.762	13.936	50.580	34.039	51.193

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.3833	59.051	.84266	.30233	-1.253	.53182	2.8163	2.8987
Stddev	.4623	12.389	.46142	.78367	1.290	.36610	.9610	.6621
%RSD	19.397	20.981	54.757	259.22	103.0	68.839	34.123	22.840

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB Acquired: 5/30/2013 4:36:12 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.1285	1.1422	2.1724	25.702	-.86703
Stddev	1.0868	1.2977	1.9346	5.146	2.6277
%RSD	96.302	113.61	89.054	20.020	303.06

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7418.4	5908.2	67025.	10292.
Stddev	24.7	21.7	308.	43.
%RSD	.33302	.36656	.45904	.41949

Sample Name: 240-24924-b-1-a Acquired: 5/30/2013 4:40:06 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.66431	61703.	82.000	277.52	265.33	5.0340	30608.
Stddev	.49100	205.	.447	.32	.37	.0868	30.
%RSD	73.912	.33242	.54508	.11659	.13881	1.7243	.09728

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.535	98.224	1595.2	1262.8	475170.	11809.	125.61
Stddev	.111	.038	1.8	3.0	4602.	44.	1.93
%RSD	2.453	.03839	.11110	.23507	.96855	.37102	1.5357

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20837.	7864.3	252.37	619.88	917.32	1608.3	-.8429
Stddev	28.	22.9	.26	5.18	1.84	4.5	2.040
%RSD	.13644	.29164	.10173	.83580	.20068	.28160	242.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24924-b-1-a Acquired: 5/30/2013 4:40:06 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.9732	63.738	476.65	7.0575	150.60	2907.0	4085.7
Stddev	.7108	.857	.69	.3012	1.37	9.6	55.3
%RSD	7.1272	1.3449	.14545	4.2680	.90878	.33080	1.3531

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	113.02
Stddev	1.47
%RSD	1.2977

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6449.9	5887.4	67486.	11049.
Stddev	21.0	11.4	181.	23.
%RSD	.32529	.19442	.26790	.20383

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.712%	104.43%	102.49%	102.25%
Range				

Sample Name: 240-24924-a-3-a Acquired: 5/30/2013 4:44:06 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.40588	45054.	44.157	456.52	226.18	3.6424	44625.
Stddev	.23359	30.	1.092	.80	.07	.0760	92.
%RSD	57.550	.06673	2.4729	.17463	.03272	2.0861	.20618

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.858	83.173	236.90	695.59	268650.	10987.	93.428
Stddev	.248	.389	.98	.88	2606.	11.	.586
%RSD	5.095	.46806	.41542	.12619	.97008	.09882	.62718

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17508.	5194.8	96.230	1084.8	431.93	2822.4	-.3481
Stddev	77.	32.1	.706	6.9	1.08	22.3	.9647
%RSD	.43872	.61770	.73361	.63470	.24920	.78933	277.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24924-a-3-a Acquired: 5/30/2013 4:44:06 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.6150	35.631	442.72	4.8018	87.862	2063.5	5250.6
Stddev	2.2563	2.397	.98	.7895	1.148	12.4	112.9
%RSD	40.183	6.7283	.22225	16.441	1.3060	.60019	2.1498

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	150.38
Stddev	1.21
%RSD	.80429

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6622.1	5877.5	67483.	11041.
Stddev	29.8	29.5	170.	78.
%RSD	.45053	.50175	.25127	.70958

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	93.134%	104.26%	102.49%	102.18%
Range				

Sample Name: lb 240-87611/1-b Acquired: 5/30/2013 4:48:09 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.18624	53.875	2.7178	4.3755	1.0614	.04349	239.54	.0929
Stddev	.16014	29.378	.3543	.1487	.2410	.07923	19.75	.0971
%RSD	85.987	54.530	13.037	3.3976	22.704	182.19	8.2468	104.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.07007	1.9385	2.6221	349.39	13.319	-1.5986	66.387	18.642
Stddev	.07694	1.6958	1.9268	118.71	19.047	.4519	20.267	16.697
%RSD	109.80	87.481	73.483	33.976	143.01	28.269	30.529	89.568

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.10935	14732.	1.0001	1.1856	-.2926	2.8772	29.153	2.2291
Stddev	.13707	54.	.1089	.3931	.4970	1.8175	.129	1.9418
%RSD	125.35	.36536	10.890	33.155	169.9	63.168	.44327	87.110

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: lb 240-87611/1-b Acquired: 5/30/2013 4:48:09 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.44006	.29435	17.006	51.150	-1.5097
Stddev	.16501	.31848	.465	9.726	1.9000
%RSD	37.497	108.20	2.7316	19.015	125.85

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7133.9	5752.0	65481.	10283.
Stddev	42.4	27.5	308.	127.
%RSD	.59413	.47731	.47014	1.2340

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.33%	102.03%	99.447%	95.159%
Range				

Sample Name: mb 240-87627/2-a Acquired: 5/30/2013 4:52:01 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .65975	20.483	.80520	3.0214	1.1167	-.04263	223.65
Stddev	.29548	14.155	2.1671	.1095	.1420	.03012	3.64
%RSD	44.787	69.105	269.14	3.6244	12.715	70.648	1.6276

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1412	-.20267	.43702	-.15646	F 127.52	5.5438	-1.1905
Stddev	.0926	.19576	.11058	.48088	16.48	40.254	.5665
%RSD	65.57	96.592	25.303	307.35	12.921	726.11	47.587

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit					100.00		
Low Limit					-1000.0		

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	61.050	1.9410	-.16994	140.18	.82764	-.08944	-2.225
Stddev	6.724	.1414	.06841	4.59	.23402	.34364	.514
%RSD	11.014	7.2859	40.256	3.2765	28.276	384.21	23.11

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: mb 240-87627/2-a Acquired: 5/30/2013 4:52:01 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.1784	26.089	-.11681	-.36264	1.6770	F 23.267	37.372
Stddev	1.6677	.167	.05519	.43205	1.8848	.098	5.211
%RSD	141.53	.63844	47.250	119.14	112.39	.41914	13.945

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						20.000	
Low Limit						-1000.0	

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	2.1640
Stddev	.8238
%RSD	38.068

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7217.5	5831.0	66241.	10165.
Stddev	17.7	17.3	228.	75.
%RSD	.24571	.29627	.34381	.73425

Sample Name: lcs 240-87627/3-a Acquired: 5/30/2013 4:55:54 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	46.436	1931.6	1869.3	947.89	1907.0	49.833	50236.	49.06
Stddev	.559	18.8	6.3	1.14	5.3	.211	125.	.08
%RSD	1.2037	.97267	.33943	.12023	.27858	.42344	.24944	.1585

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	475.06	189.40	229.83	1150.0	47778.	944.32	50324.	495.68
Stddev	.74	.89	.49	110.9	239.	3.74	267.	.19
%RSD	.15557	.46939	.21280	9.6402	.50089	.39645	.53080	.03858

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	932.57	49060.	479.26	464.60	457.8	1900.8	1953.1	981.09
Stddev	1.88	207.	.88	.45	1.0	2.2	1.5	1.90
%RSD	.20155	.42271	.18283	.09683	.2262	.11522	.07701	.19363

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: lcs 240-87627/3-a Acquired: 5/30/2013 4:55:54 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	TI1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1886.1	488.57	503.75	1064.2	954.16
Stddev	2.4	2.34	1.61	22.5	5.83
%RSD	.12640	.47913	.31956	2.1099	.61100

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6628.5	5545.2	63300.	10081.
Stddev	22.4	25.0	164.	36.
%RSD	.33797	.45009	.25877	.35919

Sample Name: 190-790-a-1-f Acquired: 5/30/2013 4:59:32 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.21330	304.15	3.4636	134.11	1.3476	-.05859	2462.9	.1668
Stddev	.28322	7.64	2.1659	.38	.0962	.07441	3.7	.1297
%RSD	132.78	2.5114	62.532	.27972	7.1382	127.00	.14906	77.76

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.40990	14.072	9.3215	1137.4	8369.1	.66743	250.00	22.763
Stddev	.36839	.567	1.0760	12.3	22.2	.87833	11.25	4.413
%RSD	89.874	4.0326	11.543	1.0815	.26484	131.60	4.5020	19.386

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.8187	54480.	8.0329	25.315	1.528	3.4954	33.598	10.122
Stddev	.7522	79.	.6078	.997	1.928	1.3421	.907	1.598
%RSD	12.927	.14537	7.5666	3.9398	126.2	38.396	2.6998	15.789

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 190-790-a-1-f Acquired: 5/30/2013 4:59:32 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.76786	2.2601	1227.6	1094.4	3.0382
Stddev	1.7090	1.2569	1.1	6.7	4.2472
%RSD	222.57	55.610	.09305	.61612	139.79

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7022.8	5723.2	65462.	10121.
Stddev	14.4	6.9	820.	29.
%RSD	.20537	.12137	1.2528	.29112

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.769%	101.52%	99.418%	93.662%
Range				

Sample Name: SD 190-790-a-1-f@5 Acquired: 5/30/2013 5:03:21 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.34875	69.123	6.6932	29.973	.79701	-.04113	506.71	.1197
Stddev	.44681	6.316	6.5622	4.291	.47337	.02133	25.87	.1667
%RSD	128.12	9.1368	98.043	14.317	59.394	51.851	5.1053	139.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.84708	2.6853	1.8782	262.65	1648.2	-2.9125	61.334	4.3084
Stddev	1.9204	.2024	1.0482	47.50	27.3	1.0047	16.726	.2206
%RSD	226.71	7.5377	55.810	18.086	1.6557	34.497	27.271	5.1202

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.8409	11103.	3.2121	6.3416	.2388	4.2570	10.301	1.5713
Stddev	3.4343	17.	1.5856	3.3460	1.962	7.3769	6.927	.1427
%RSD	120.89	.15364	49.363	52.763	821.4	173.29	67.246	9.0843

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: SD 190-790-a-1-f@5 Acquired: 5/30/2013 5:03:21 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	3.5416	-.12294	245.93	230.11	-1.2686
Stddev	5.9736	2.4954	4.71	8.53	4.7140
%RSD	168.67	2029.8	1.9154	3.7089	371.59

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7276.5	5847.6	66414.	10184.
Stddev	66.3	47.1	82.	99.
%RSD	.91086	.80573	.12325	.96966

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	102.34%	103.73%	100.86%	94.249%
Range				

Sample Name: 190-790-a-1-g.ms@5 Acquired: 5/30/2013 5:07:12 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	180.20	427.64	911.75	217.83	9153.8	9.7628	10176.	184.5
Stddev	1.14	12.99	5.31	.85	76.3	.0341	15.	1.1
%RSD	.63191	3.0387	.58252	.38822	.83314	.34963	.14301	.6055

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	90.391	929.19	45.904	418.77	10864.	-3.3186	10045.	99.363
Stddev	.245	1.52	.538	2.53	42.	.5856	41.	.483
%RSD	.27062	.16335	1.1730	.60396	.39060	17.645	.40805	.48644

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	184.73	20748.	93.803	923.33	87.26	190.44	378.48	1.6428
Stddev	.77	50.	.507	7.05	1.14	1.37	.65	.0651
%RSD	.41638	.24063	.54024	.76371	1.301	.72046	.17234	3.9616

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 190-790-a-1-g.ms@5 Acquired: 5/30/2013 5:07:12 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	372.76	96.902	339.43	258.16	-1.6905
Stddev	1.26	.891	.53	12.35	4.3426
%RSD	.33698	.91975	.15589	4.7851	256.88

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7076.2	5774.8	65631.	10370.
Stddev	6.0	7.9	142.	74.
%RSD	.08534	.13744	.21674	.71614

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.520%	102.44%	99.676%	95.966%
Range				

Sample Name: 190-790-a-1-h msd@5 Acquired: 5/30/2013 5:11:01 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	179.64	429.47	923.43	220.69	9383.9	9.9408	10419.	187.4
Stddev	.97	2.26	2.86	.31	56.0	.0502	5.	.7
%RSD	.54015	.52677	.31010	.14167	.59703	.50451	.04763	.3894

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	91.439	942.81	46.937	437.90	11201.	-2.8713	10228.	100.88
Stddev	.424	.86	.356	5.26	40.	1.3643	15.	.28
%RSD	.46346	.09155	.75851	1.2023	.35364	47.516	.14798	.27841

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	187.85	21947.	95.200	936.23	91.06	195.00	383.78	1.8612
Stddev	.32	70.	.483	5.33	1.47	2.96	1.82	.1257
%RSD	.17142	.32014	.50761	.56972	1.611	1.5188	.47299	6.7515

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 190-790-a-1-h msd@5 Acquired: 5/30/2013 5:11:01 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	379.36	97.177	377.08	278.90	2.9804
Stddev	1.38	.233	.94	10.03	2.5529
%RSD	.36446	.23934	.24838	3.5948	85.658

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7067.6	5761.9	65538.	10244.
Stddev	30.3	16.5	597.	32.
%RSD	.42917	.28715	.91024	.31575

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.399%	102.21%	99.534%	94.800%
Range				

Sample Name: CRITEST Acquired: 5/30/2013 5:14:49 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.0895	204.45	20.073	200.74	10.212	5.2957	5274.1	5.533
Stddev	.1866	10.84	3.415	.65	.122	.0626	6.1	.608
%RSD	4.5630	5.3036	17.011	.32285	1.1905	1.1816	.11617	10.98

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.0352	5.0267	15.160	319.84	5084.6	48.168	5541.0	17.226
Stddev	.5335	.3221	.369	.44	25.0	1.870	36.7	.008
%RSD	10.595	6.4074	2.4321	.13793	.49228	3.8815	.66264	.04656

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.373	5345.2	25.170	11.977	9.000	20.793	101.06	50.491
Stddev	.885	25.6	.701	2.925	2.616	1.008	1.35	.080
%RSD	8.5298	.47870	2.7839	24.418	29.07	4.8470	1.3327	.15831

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CRITEST Acquired: 5/30/2013 5:14:49 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	15.892	7.1190	40.918	524.71	52.181
Stddev	1.430	1.3828	1.719	11.76	2.045
%RSD	8.9978	19.424	4.1998	2.2403	3.9198

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7213.7	5810.5	64847.	10073.
Stddev	58.9	50.0	220.	37.
%RSD	.81598	.86074	.33898	.37113

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 Value 101.45% 103.07% 98.485% 93.221%
 Range

Sample Name: CCV Acquired: 5/30/2013 5:18:39 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	994.52	25108.	500.78	5052.7	1972.6	2102.5	52783.
Stddev	2.72	93.	.84	5.8	2.0	8.2	132.
%RSD	.27392	.37095	.16869	.11406	.09955	.38891	.24933

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	498.7	1984.8	1947.3	1904.4	25984.	50482.	5065.0
Stddev	.7	2.4	4.3	3.2	181.	204.	27.3
%RSD	.1375	.12156	.21986	.16741	.69552	.40430	.53818

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	53059.	2015.9	1934.6	51809.	1984.4	486.71	489.9
Stddev	333.	6.5	3.6	196.	3.1	.38	.4
%RSD	.62812	.32188	.18790	.37820	.15539	.07799	.0891

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Sample Name: CCV Acquired: 5/30/2013 5:18:39 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	509.01	5122.3	5110.6	1002.9	1994.3	2050.1	F 5643.7
Stddev	1.12	8.3	48.8	2.2	7.4	5.3	143.4
%RSD	.22001	.16245	.95520	.22045	.37270	.25650	2.5413

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value							5000.0
Range							10.500%

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	5059.7
Stddev	32.4
%RSD	.64008

Check ?	Chk Pass
Value	
Range	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6620.0	5618.8	64144.	10394.
Stddev	20.1	19.1	319.	143.
%RSD	.30323	.34051	.49757	1.3730

Sample Name: CCB Acquired: 5/30/2013 5:22:26 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.43865	10.538	1.8076	9.3749	.18044	.02415	-15.742	.2650
Stddev	.31742	5.500	1.5995	4.2489	.08295	.03532	2.858	.4549
%RSD	72.362	52.192	88.490	45.322	45.970	146.26	18.158	171.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.59133	-.07983	-.12090	.32262	64.418	.59049	-2.5066	-.02189
Stddev	1.7365	.06125	.24904	1.1670	37.828	.65542	3.4599	.02891
%RSD	293.66	76.722	205.99	361.74	58.723	111.00	138.03	132.06

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.4048	45.775	1.1137	-.59564	-.8976	.98290	3.7226	1.7763
Stddev	1.3675	15.765	1.3379	.74804	1.111	.85212	3.8772	.1913
%RSD	56.865	34.441	120.13	125.59	123.8	86.694	104.15	10.771

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB Acquired: 5/30/2013 5:22:26 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.6685	.46121	-.00194	17.311	-.17161
Stddev	1.2834	1.5876	1.6307	3.721	3.4162
%RSD	76.917	344.23	84213.	21.494	1990.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7374.7	5908.1	66975.	10233.
Stddev	74.7	49.6	316.	40.
%RSD	1.0125	.83926	.47160	.39562

Sample Name: CRILL Acquired: 5/30/2013 5:26:18 Type: Unk
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.1761	201.75	11.573	198.24	192.06	5.1968	5176.6	2.156
Stddev	.3202	5.92	1.200	.49	.34	.0183	10.7	.193
%RSD	7.6673	2.9347	10.371	.24866	.17728	.35189	.20653	8.956

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.5266	4.6683	23.635	103.78	4918.4	50.992	5383.3	15.356
Stddev	.1513	.3911	.226	.96	37.0	.945	26.1	.028
%RSD	2.3181	8.3778	.95601	.92557	.75318	1.8530	.48504	.18404

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.6771	5168.9	39.158	2.3456	8.414	6.1742	98.764	50.077
Stddev	.1654	30.1	.513	.6136	.901	.5394	.656	.206
%RSD	1.7093	.58172	1.3100	26.158	10.71	8.7361	.66391	.41079

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: CRILL Acquired: 5/30/2013 5:26:18 Type: Unk
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	10.589	7.6347	18.569	513.90	54.348
Stddev	.530	.9012	.120	7.12	2.045
%RSD	5.0024	11.804	.64776	1.3847	3.7632

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7169.8	5783.9	65979.	10154.
Stddev	35.7	28.2	160.	56.
%RSD	.49821	.48831	.24249	.55401

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.84%	102.60%	100.20%	93.966%
Range				

Sample Name: CCV Acquired: 5/30/2013 5:30:08 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	992.06	24917.	496.23	5007.8	1957.4	2093.1	52555.
Stddev	1.97	18.	3.78	59.5	1.0	4.2	67.
%RSD	.19899	.07126	.76243	1.1891	.05283	.20043	.12747

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	494.3	1963.1	1938.0	1900.0	25888.	50186.	5041.0
Stddev	5.6	25.5	2.9	.4	59.	63.	9.3
%RSD	1.138	1.3004	.15030	.02250	.22941	.12603	.18412

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	53030.	2013.3	1908.0	51556.	1961.3	479.42	486.1
Stddev	111.	4.6	23.3	99.	26.4	6.67	4.9
%RSD	.20901	.22689	1.2194	.19174	1.3458	1.3904	1.001

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Sample Name: CCV Acquired: 5/30/2013 5:30:08 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	503.01	5084.0	5082.8	989.28	1985.1	2017.9	F 5599.3
Stddev	4.95	65.4	12.8	13.05	2.8	28.7	161.8
%RSD	.98307	1.2865	.25100	1.3192	.14115	1.4214	2.8901

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value							5000.0
Range							10.500%

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	5042.6
Stddev	4.0
%RSD	.07857

Check ?	Chk Pass
Value	
Range	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6657.5	5659.6	63747.	10210.
Stddev	4.0	7.7	249.	50.
%RSD	.06083	.13544	.39027	.48738

Sample Name: CCB Acquired: 5/30/2013 5:33:55 Type: QC
Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.17411	9.0882	2.3271	9.0443	.33734	.16191	-10.638	.0997
Stddev	.74761	13.774	1.1944	.8203	.20713	.27862	6.219	.0737
%RSD	429.40	151.56	51.325	9.0697	61.402	172.09	58.457	73.94

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.10169	.47328	-.15107	2.4068	94.989	2.5414	-1.8266	.62944
Stddev	.05684	1.1254	.83109	2.0435	24.689	.2777	9.0660	1.2247
%RSD	55.892	237.79	550.14	84.904	25.991	10.928	496.33	194.57

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.5751	51.768	.35625	-.94751	-1.242	1.6417	1.3265	3.5830
Stddev	.1382	13.442	.37544	.55088	1.372	.9191	.0788	3.0214
%RSD	8.7749	25.966	105.39	58.140	110.5	55.983	5.9410	84.326

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB Acquired: 5/30/2013 5:33:55 Type: QC
 Method: Standard Method + IEC Checks(v164) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.0640	1.4947	-.99840	24.023	-3.3073
Stddev	.5288	1.6515	.02206	7.181	5.8641
%RSD	49.699	110.49	2.2097	29.894	177.31

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7295.0	5824.7	66848.	10359.
Stddev	14.7	13.9	108.	93.
%RSD	.20215	.23943	.16192	.90077

Sample Name: Blank Acquired: 5/31/2013 9:10:23 Type: Cal
Method: Standard Method + IEC Checks(v166) Mode: IR Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.00139	.00241	.00070	.00287	.01536	-.00360	.01432
Stddev	.00010	.00036	.00023	.00018	.00013	.00017	.00040
%RSD	7.0231	14.776	32.851	6.2461	.85747	4.7454	2.8280

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0009	.00058	-.00040	-.00144	.00098	.00959	.00720
Stddev	.0002	.00020	.00004	.00018	.00009	.00132	.00012
%RSD	19.35	34.121	9.5065	12.471	8.7830	13.720	1.6771

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.00053	.00029	-.00027	-.00139	.00339	.00014	.0019
Stddev	.00038	.00003	.00018	.00089	.00023	.00026	.0003
%RSD	71.716	10.415	68.183	64.242	6.7599	188.43	14.19

Elem	Se1960	Sn1899	Ti3372	Tl1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00047	.00052	.00092	-.00111	.00102	.00309	.00209
Stddev	.00016	.00007	.00006	.00008	.00019	.00019	.00020
%RSD	35.182	13.168	6.7167	7.0097	18.853	6.3089	9.5684

Elem	Sr3464
IS Ref	(Y_3710)
Units	Cts/S
Avg	.00150
Stddev	.00024
%RSD	16.064

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6655.0	5464.2	65284.	10755.
Stddev	17.9	15.3	59.	130.
%RSD	.26910	.28054	.08971	1.2120

Sample Name: SCAL1 Acquired: 5/31/2013 9:14:15 Type: Cal
Method: Standard Method + IEC Checks(v166) Mode: IR Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	As1890	B_1826	Ba4554	Be3130	Cd2288	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.78305	.14657	7.0992	22.999	40.448	3.299	5.3653	1.4236
Stddev	.00097	.00044	.0330	.213	.261	.009	.0077	.0027
%RSD	.12388	.30089	.46416	.92550	.64634	.2693	.14279	.18597

Elem	Cu3273	Li6707	Mn2576	Mo2020	Ni2316	Pb2203	Sb2175	Se1960
IS Ref	(Y_3600)	(Y_3710)	(Y_3600)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.90142	12.523	9.1365	5.3546	3.1414	.46557	.2145	.14697
Stddev	.00046	.010	.0675	.0145	.0053	.00101	.0011	.00050
%RSD	.05056	.07595	.73902	.27081	.16748	.21673	.5231	.33751

Elem	Sn1899	Ti3372	Tl1908	V_2908	Zn2062	Sr3464
IS Ref	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.8083	9.8023	.39845	.82930	7.1016	2.0141
Stddev	.0036	.0908	.00106	.00166	.0056	.0018
%RSD	.09440	.92653	.26585	.19971	.07890	.08807

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6516.5	5479.4	63789.	10584.
Stddev	3.1	8.7	344.	80.
%RSD	.04833	.15925	.53922	.75692

Sample Name: SCAL2 Acquired: 5/31/2013 9:18:29 Type: Cal
Method: Standard Method + IEC Checks(v166) Mode: IR Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Al3082	Ca3179	Fe2599	K_7664	Mg2790	Na5895	Si2516
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.3399	22.609	11.745	4.9662	2.9179	21.548	.63136
Stddev	.0024	.258	.025	.0094	.0086	.031	.00163
%RSD	.17633	1.1415	.21644	.18946	.29419	.14581	.25865

Int. Std.	Y_3710
Units	Cts/S
Avg	10238.
Stddev	132.
%RSD	1.2904

Sample Name: ICV Acquired: 5/31/2013 9:22:28 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	764.59	12291.	368.34	1508.5	1529.9	1548.0	25142.	367.6
Stddev	2.05	42.	1.36	.3	2.2	3.3	38.	.1
%RSD	.26851	.34480	.36955	.01752	.14510	.21037	.15100	.0175

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1479.3	1492.3	1495.6	12404.	24638.	1008.9	24829.	1513.4
Stddev	2.6	1.3	2.1	22.	108.	1.6	89.	5.7
%RSD	.17554	.08931	.13796	.17880	.43830	.16232	.35712	.37812

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1482.8	24848.	1479.4	363.66	369.3	368.34	1496.3	1522.8
Stddev	2.6	51.	3.0	1.02	2.1	1.83	.8	2.5
%RSD	.17593	.20369	.20250	.28117	.5762	.49662	.05090	.16278

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: ICV Acquired: 5/31/2013 9:22:28 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	737.85	1530.9	1494.6	3071.6	4448.2
Stddev	1.23	1.9	1.6	8.8	9.5
%RSD	.16700	.12127	.10469	.28710	.21451

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6444.2	5449.8	63590.	10516.
Stddev	11.9	14.4	103.	166.
%RSD	.18456	.26364	.16182	1.5799

Sample Name: ICB Acquired: 5/31/2013 9:26:08 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.10299	1.1397	.84247	4.8445	.20698	.06233	6.2321	.2670
Stddev	.20723	4.7798	.65262	.5850	.16339	.05935	.3730	.2962
%RSD	201.21	419.40	77.465	12.075	78.944	95.222	5.9855	110.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.30767	.05801	.52666	2.2900	62.715	1.8427	6.4950	.11459
Stddev	.70573	.47003	.35892	.8906	11.485	1.4845	7.7469	.02789
%RSD	229.38	810.27	68.151	38.892	18.312	80.563	119.27	24.342

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.0724	13.314	.34700	.01423	-1.441	.44251	1.1492	-.14412
Stddev	.9369	7.115	1.0462	.72005	1.474	.75756	1.0515	.08995
%RSD	45.208	53.442	301.51	5059.9	102.3	171.20	91.501	62.411

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: ICB Acquired: 5/31/2013 9:26:08 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.3919	1.8256	.57111	-1.7705	-1.6528
Stddev	.8107	.8670	.71528	.7038	1.0506
%RSD	58.245	47.489	125.24	39.754	63.562

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6720.0	5505.7	64537.	10545.
Stddev	11.7	8.2	168.	67.
%RSD	.17342	.14909	.25975	.63414

Sample Name: CRI Acquired: 5/31/2013 9:30:03 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.9232	217.60	14.862	200.27	10.156	5.1050	4976.3	5.085
Stddev	.4290	1.32	1.006	.21	.067	.0356	16.9	.088
%RSD	8.7144	.60463	6.7667	.10506	.65965	.69821	.34018	1.739

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.0558	4.8343	15.746	308.14	4965.7	51.394	5196.1	16.752
Stddev	.1284	.2406	.366	1.12	15.5	.462	23.8	.067
%RSD	2.5388	4.9771	2.3266	.36471	.31257	.89943	.45765	.39930

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.415	5040.5	24.826	10.645	9.528	19.685	98.648	50.062
Stddev	.265	4.2	.234	.936	2.416	.865	.505	.059
%RSD	2.5397	.08427	.94422	8.7959	25.36	4.3948	.51185	.11712

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: CRI Acquired: 5/31/2013 9:30:03 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	TI1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	15.634	6.1982	39.369	491.50	52.811
Stddev	.287	.1298	.306	9.04	2.708
%RSD	1.8350	2.0940	.77678	1.8400	5.1276

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6697.4	5503.8	64494.	10332.
Stddev	58.4	38.8	425.	72.
%RSD	.87255	.70535	.65914	.69369

Sample Name: CRILL Acquired: 5/31/2013 9:33:51 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.8143	191.85	10.713	195.78	197.17	5.0491	4895.3	2.072
Stddev	.3696	11.94	2.457	.06	1.00	.0291	7.9	.115
%RSD	7.6777	6.2249	22.938	.02932	.50553	.57669	.16105	5.546

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.5076	5.2603	24.440	108.26	4873.5	52.130	5019.3	15.117
Stddev	.0914	.1849	.672	.21	14.0	.612	14.8	.052
%RSD	1.4040	3.5144	2.7513	.19433	.28733	1.1732	.29423	.34706

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.011	4941.9	38.545	3.6627	8.952	3.8865	96.855	49.198
Stddev	.052	13.4	.295	.4613	1.326	.5128	.278	.109
%RSD	.52334	.27073	.76435	12.596	14.81	13.194	.28687	.22158

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: CRILL Acquired: 5/31/2013 9:33:51 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	10.315	6.7017	18.727	487.70	51.661
Stddev	.362	1.3223	.055	5.45	2.307
%RSD	3.5095	19.730	.29460	1.1165	4.4665

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6743.9	5544.4	65366.	10660.
Stddev	15.6	14.1	301.	39.
%RSD	.23201	.25446	.46122	.36357

Sample Name: ICSA Acquired: 5/31/2013 9:37:39 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.12756	507930.	-4.3519	-2.7835	.50377	-.33604	468280.
Stddev	.18513	439.	2.0330	.6724	.32537	.05230	12737.
%RSD	145.12	.08652	46.715	24.156	64.589	15.563	2.7200

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2284	-2.0036	3.0819	-.94250	187090.	51.582	-18.663
Stddev	.0454	.2945	.3913	1.1554	5147.	12.305	.696
%RSD	19.88	14.698	12.698	122.59	2.7510	23.856	3.7302

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	492160.	2.8194	-2.2233	148.36	1.0951	-.60270	-4.056
Stddev	812.	.0045	.1029	20.62	.3186	1.9698	1.874
%RSD	.16502	.16050	4.6267	13.898	29.091	326.83	46.19

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: ICSA Acquired: 5/31/2013 9:37:39 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.90844	4.2792	-.31637	-1.5640	-1.0295	10.199	-10.326
Stddev	4.2097	1.4931	.14712	.1880	1.5954	.305	4.188
%RSD	463.40	34.891	46.504	12.021	154.96	2.9861	40.556

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	7.6505
Stddev	.9167
%RSD	11.983

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5459.8	4924.2	56218.	10136.
Stddev	20.1	19.7	532.	64.
%RSD	.36871	.40045	.94701	.63564

Sample Name: ICSAB Acquired: 5/31/2013 9:41:39 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1078.6	510400.	981.14	500.95	491.86	491.17	467960.
Stddev	2.1	4229.	2.07	1.36	5.36	5.82	4352.
%RSD	.19478	.82861	.21065	.27066	1.0904	1.1859	.92998

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1002.	485.00	474.32	519.66	187230.	10437.	521.07
Stddev	2.	1.80	2.08	.33	1997.	132.	5.61
%RSD	.2271	.37030	.43777	.06268	1.0666	1.2652	1.0763

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	492990.	482.96	953.19	10605.	964.01	899.02	991.1
Stddev	4446.	.29	2.62	131.	2.68	.75	4.1
%RSD	.90184	.06061	.27448	1.2394	.27841	.08378	.4177

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Sample Name: ICSAB Acquired: 5/31/2013 9:41:39 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	978.67	511.65	508.08	962.06	489.61	982.66	9775.8
Stddev	5.86	1.50	.73	5.26	5.31	2.61	120.6
%RSD	.59826	.29411	.14388	.54684	1.0838	.26545	1.2340

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1463.4
Stddev	18.9
%RSD	1.2919

Check ?	Chk Pass
Value	
Range	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5474.4	4979.2	57581.	9921.1
Stddev	4.7	8.8	270.	117.3
%RSD	.08629	.17749	.46900	1.1828

Sample Name: CCV Acquired: 5/31/2013 9:45:35 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1018.3	25423.	504.82	5051.4	2016.7	2035.4	50281.	505.9
Stddev	1.3	260.	1.38	9.8	5.2	4.0	244.	.6
%RSD	.13185	1.0239	.27260	.19312	.25960	.19426	.48583	.1134

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1964.8	1970.1	1990.1	25074.	50682.	5133.8	50523.	1946.9
Stddev	.9	3.6	1.4	69.	63.	8.9	288.	7.1
%RSD	.04650	.18238	.06994	.27412	.12420	.17338	.57017	.36449

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1977.7	50942.	1960.4	492.49	505.6	504.07	5054.2	5016.9
Stddev	1.5	110.	1.1	.14	1.6	2.36	6.4	16.9
%RSD	.07391	.21596	.05711	.02839	.3079	.46874	.12572	.33737

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: CCV Acquired: 5/31/2013 9:45:35 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1003.3	2038.0	1999.1	5174.1	5032.2
Stddev	3.6	6.6	6.3	49.3	14.0
%RSD	.36077	.32315	.31663	.95210	.27905

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6147.9	5285.0	62670.	10212.
Stddev	52.7	45.7	371.	109.
%RSD	.85717	.86408	.59148	1.0716

Sample Name: CCB Acquired: 5/31/2013 9:49:22 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.6914	21.298	.66090	9.6374	.60286	.34859	7.4661	.1500
Stddev	3.1634	6.244	.91724	2.7073	.46566	.42114	7.8424	.3240
%RSD	187.02	29.320	138.79	28.092	77.241	120.81	105.04	216.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.48588	2.9309	2.9886	7.1677	46.724	1.6959	10.658	3.0521
Stddev	.81609	5.0084	4.8885	5.5499	29.635	.9704	17.332	5.0041
%RSD	167.96	170.88	163.57	77.430	63.426	57.220	162.61	163.96

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.1891	38.052	.61772	.75665	-.9753	.42994	1.9824	7.9040
Stddev	.6023	7.839	.41964	.65154	.3360	1.2683	1.4377	12.300
%RSD	27.513	20.601	67.935	86.109	34.45	294.99	72.521	155.62

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB Acquired: 5/31/2013 9:49:22 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.89976	.54708	-.41769	2.5733	4.3703
Stddev	1.0371	.76172	.70245	5.2968	1.2478
%RSD	115.27	139.23	168.18	205.84	28.552

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6680.6	5476.1	64479.	10068.
Stddev	12.7	8.7	586.	92.
%RSD	.19076	.15823	.90832	.91407

Sample Name: IEC Check As Acquired: 5/31/2013 9:53:17 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.45536	-20.618	4971.2	.75163	.20208	-.05122	-23.383	.0359
Stddev	.22270	10.372	6.7	.40714	.18042	.02826	1.431	.4683
%RSD	48.908	50.305	.13576	54.168	89.281	55.165	6.1195	1304.

Check ?	None	None	None	None	None	None	None	Chk Pass
Value								
Range								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.00488	.07812	-.08434	3.8199	-22.271	-1.7626	3.7752	.00657
Stddev	.07133	.29246	.33703	.6542	24.281	.9711	10.255	.02589
%RSD	1461.7	374.36	399.63	17.126	109.03	55.092	271.65	393.96

Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.06795	8.1307	-.35297	.53179	-1.875	.46423	.27872	-.45017
Stddev	.09686	2.8770	.20228	1.2259	.419	1.1928	.03669	.03093
%RSD	142.55	35.384	57.307	230.53	22.34	256.94	13.164	6.8717

Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: IEC Check As Acquired: 5/31/2013 9:53:17 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.2145	.66548	-.52934	-2.9920	1.1728
Stddev	.2626	.28865	.04908	8.2661	.6976
%RSD	21.627	43.375	9.2716	276.27	59.485

Check ?	None	None	None	None	None
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6798.9	5508.6	66081.	10457.
Stddev	49.4	34.9	445.	221.
%RSD	.72703	.63397	.67334	2.1127

Sample Name: IEC Check Ti Acquired: 5/31/2013 9:57:11 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.50385	8.3534	.41516	-.20288	.00949	.03172	-23.754	.1070
Stddev	.30918	9.2370	.72368	.12426	.07832	.00906	.282	.0875
%RSD	61.363	110.58	174.31	61.246	825.30	28.573	1.1885	81.79

Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.5905	1.2931	-3.6001	1.3766	-17.009	-1.6976	-66.152	-.00093
Stddev	.1613	.1635	.1624	.8640	16.876	.8888	9.149	.00906
%RSD	10.145	12.645	4.5099	62.764	99.220	52.354	13.829	970.10

Check ?	Chk Pass	None	None	None	None	None	None	None
Value								
Range								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.06838	2.1261	-1.9380	.15475	-2.362	-.44000	2.5055	28303.
Stddev	.05772	6.3854	.2460	.77910	2.483	.38429	.1039	104.
%RSD	84.412	300.34	12.691	503.45	105.1	87.338	4.1451	.36623

Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: IEC Check Ti Acquired: 5/31/2013 9:57:11 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.40959	-2.9940	-.80860	5623.7	-.30676
Stddev	.69031	1.0523	.03684	1374.3	5.6432
%RSD	168.54	35.147	4.5563	24.439	1839.6

Check ?	Chk Pass	None	None	None	None
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6921.9	5642.8	66964.	10895.
Stddev	56.9	42.8	143.	64.
%RSD	.82224	.75807	.21345	.58604

Sample Name: IEC Check Co Acquired: 5/31/2013 10:01:13 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.08107	-22.978	.74840	-1.6187	.11790	-.02059	-23.393	.0581
Stddev	.16630	4.227	1.1939	.0694	.12537	.02410	2.293	.0570
%RSD	205.14	18.397	159.52	4.2894	106.34	117.04	9.8014	98.15

Check ?	None	None	Chk Pass	None	None	None	None	None
Value								
Range								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9762.0	-.05221	-2.3012	3.8581	-53.004	-1.8074	-2.3441	-.01908
Stddev	36.4	.14375	.7838	.3933	15.788	.8034	8.4593	.01468
%RSD	.37320	275.34	34.061	10.195	29.787	44.449	360.88	76.924

Check ?	None	None	Chk Pass	None	None	None	None	None
Value								
Range								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.15377	-5.1919	.40348	.30943	1.561	-.13037	.38610	4.8453
Stddev	.08321	9.4753	.33640	.56648	2.265	1.7561	.14333	.3635
%RSD	54.116	182.50	83.374	183.07	145.1	1347.0	37.124	7.5014

Check ?	None	None	Chk Pass	None	Chk Pass	None	None	None
Value								
Range								

Sample Name: IEC Check Co Acquired: 5/31/2013 10:01:13 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.53857	2.3319	-.13216	42.428	.53444
Stddev	.46609	1.1548	.07852	10.962	3.8424
%RSD	86.543	49.520	59.413	25.836	718.96

Check ?	Chk Pass	None	None	None	None
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6806.2	5543.4	66117.	10639.
Stddev	36.2	29.1	127.	94.
%RSD	.53244	.52441	.19277	.88586

Sample Name: IEC Check AI Acquired: 5/31/2013 10:05:07 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.15753	499310.	-.08393	-2.8687	-.00661	-.04097	-20.881
Stddev	.34952	2452.	2.0761	.3324	.20696	.08981	2.067
%RSD	221.87	.49104	2473.6	11.586	3129.5	219.24	9.8964

Check ?	None	None	Chk Pass	None	None	None	None
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0805	-.03578	-.25882	-.09270	7.8974	-22.469	-1.3315
Stddev	.0741	.19993	.25846	.25784	.3105	28.954	1.4247
%RSD	92.10	558.83	99.862	278.15	3.9322	128.86	107.00

Check ?	None	None	None	None	None	None	None
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-10.019	-.16756	-1.2357	11.934	.44411	-1.0535	.9717
Stddev	4.072	.03243	.2583	3.042	.17445	1.1488	2.355
%RSD	40.643	19.354	20.901	25.493	39.281	109.05	242.4

Check ?	None	None	None	None	None	Chk Pass	Chk Pass
Value							
Range							

Sample Name: IEC Check AI Acquired: 5/31/2013 10:05:07 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.02974	2.7145	1.3691	-3.4138	2.6321	1.9177	25.590
Stddev	1.2311	.0060	.3990	.2788	.6035	.0143	27.925
%RSD	4139.5	.21989	29.145	8.1659	22.928	.74330	109.12

Check ?	None	None	None	None	None	None	None
Value							
Range							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	.51018
Stddev	3.2524
%RSD	637.50

Check ?	None
Value	
Range	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6402.8	5495.6	62218.	10741.
Stddev	40.8	43.0	101.	135.
%RSD	.63720	.78287	.16158	1.2576

Sample Name: IEC Check Fe Acquired: 5/31/2013 10:08:55 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-0.04535	1332.9	-6.4495	-2.9602	.04323	-.01708	-29.849
Stddev	.32804	2278.7	1.2801	.3830	.06181	.02176	.726
%RSD	723.41	170.95	19.848	12.939	142.99	127.45	2.4310

Check ?	None	None	None	None	None	None	None
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.563	2.5764	2.9248	-3.2939	466270.	-143.80	-1.0080
Stddev	.175	.3472	.3711	.2101	5231.	24.98	2.1155
%RSD	11.18	13.475	12.687	6.3794	1.1219	17.372	209.87

Check ?	Chk Pass	None	None	Chk Pass	None	None	None
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-47.551	6.2760	-2.1125	-11.807	-2.8568	-4.9523	-4.766
Stddev	11.467	.0170	.0385	3.784	.2168	.3999	1.613
%RSD	24.114	.27005	1.8221	32.044	7.5885	8.0751	33.84

Check ?	None	None	None	None	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Sample Name: IEC Check Fe Acquired: 5/31/2013 10:08:55 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.3943	3.3067	.70629	6.4504	-.72893	9.2087	-29.154
Stddev	2.7666	.1644	.16635	.0453	1.0083	.1397	4.254
%RSD	198.41	4.9715	23.553	.70292	138.32	1.5174	14.591

Check ?	None	None	None	None	Chk Pass	None	None
Value							
Range							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	10.131
Stddev	2.279
%RSD	22.497

Check ?	None
Value	
Range	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6343.3	5399.3	64802.	10589.
Stddev	5.7	11.0	394.	51.
%RSD	.09020	.20354	.60747	.48344

Sample Name: IEC Check V Acquired: 5/31/2013 10:12:55 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.85154	-185.92	.89382	-2.6411	.47216	-1.5737	-20.426	.3244
Stddev	.31450	15.20	.10229	.3263	.09243	.0379	1.904	.1670
%RSD	36.933	8.1730	11.444	12.353	19.577	2.4098	9.3188	51.50

Check ?	None	Chk Pass	None	None	None	Chk Pass	None	None
Value								
Range								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.04763	-.34309	-.64007	51.734	-35.487	-1.3000	3.4221	.05169
Stddev	.09922	.35535	.28460	1.582	14.334	1.1980	5.4200	.00852
%RSD	208.29	103.58	44.463	3.0573	40.392	92.156	158.38	16.475

Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.82765	-24.410	-.68941	1.1231	-2.283	-.87705	-.04243	.00828
Stddev	.23274	9.679	.25224	.8612	1.678	2.8745	.21913	.09141
%RSD	28.121	39.652	36.588	76.686	73.48	327.74	516.43	1103.6

Check ?	None	None	None	None	Chk Pass	None	None	None
Value								
Range								

Sample Name: IEC Check V Acquired: 5/31/2013 10:12:55 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	6.1621	5155.2	-.30309	1.4460	1.0041
Stddev	.6628	5.8	.05033	.9349	2.3959
%RSD	10.756	.11269	16.605	64.654	238.61

Check ?	Chk Pass	None	None	None	None
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6912.7	5651.5	66219.	10403.
Stddev	40.3	33.7	488.	13.
%RSD	.58321	.59624	.73658	.12023

Sample Name: CCV Acquired: 5/31/2013 10:16:50 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1017.5	25368.	506.72	5051.8	2020.0	2026.7	49683.	505.0
Stddev	2.1	42.	.54	7.2	6.8	5.3	156.	.8
%RSD	.20958	.16418	.10590	.14295	.33716	.25951	.31386	.1490

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1957.2	1972.8	1984.9	24871.	51006.	5141.2	49838.	1943.1
Stddev	2.0	3.8	2.4	117.	102.	12.7	213.	1.1
%RSD	.10046	.19205	.11998	.46894	.20050	.24742	.42692	.05496

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1980.2	51080.	1949.8	490.90	502.6	504.65	5039.0	5043.6
Stddev	4.3	139.	2.1	2.10	1.7	1.80	6.5	36.2
%RSD	.21962	.27176	.10624	.42843	.3438	.35756	.12970	.71692

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: CCV Acquired: 5/31/2013 10:16:50 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	999.55	2048.9	1983.1	5147.1	5046.9
Stddev	1.39	4.8	2.5	58.6	14.0
%RSD	.13902	.23582	.12497	1.1388	.27765

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6146.7	5267.6	61612.	10145.
Stddev	5.2	6.5	35.	85.
%RSD	.08446	.12423	.05685	.83667

Sample Name: CCB Acquired: 5/31/2013 10:20:37 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.10973	8.5338	.82426	9.7564	.43863	.16986	-4.3378	.2179
Stddev	.30500	11.255	.60933	4.0518	.06289	.12527	2.1644	.2184
%RSD	277.97	131.89	73.924	41.529	14.339	73.750	49.897	100.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.58647	.30632	-.32832	6.5224	35.119	1.5826	-6.5436	.35465
Stddev	1.0903	.18534	.63475	2.3439	24.032	.0736	7.6996	.45436
%RSD	185.91	60.506	193.33	35.936	68.430	4.6490	117.67	128.12

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.4452	6.4402	.41805	.22480	-1.851	-.39077	3.2012	1.8176
Stddev	1.0438	5.9612	1.1563	.58676	1.658	1.3497	2.4193	1.2640
%RSD	42.687	92.562	276.59	261.02	89.57	345.40	75.575	69.542

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB Acquired: 5/31/2013 10:20:37 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.9248	1.2105	-.25846	2.7300	-1.2515
Stddev	.6186	.8489	1.1027	2.2752	2.1402
%RSD	32.137	70.125	426.66	83.340	171.01

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6757.0	5533.3	64808.	10126.
Stddev	33.0	29.6	552.	10.
%RSD	.48907	.53568	.85135	.10118

Sample Name: MB 240-87457/1-A Acquired: 5/31/2013 10:33:54 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .24964	-13.236	1.4757	-1.5655	.98188	.00490	185.49
Stddev	.43971	11.801	1.0858	.2522	.11773	.03043	2.01
%RSD	176.14	89.157	73.581	16.111	11.991	620.96	1.0846

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .1380	- .22895	.11733	- .57453	17.213	-21.448	- .52127
Stddev	.0852	.36107	.22894	.75321	.876	12.153	.52447
%RSD	61.79	157.71	195.12	131.10	5.0879	56.659	100.62

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50.732	.36350	- .09073	30.432	- .19316	.22373	-1.202
Stddev	15.409	.01893	.06378	8.584	.18190	.45034	1.694
%RSD	30.373	5.2072	70.294	28.207	94.169	201.29	141.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: MB 240-87457/1-A Acquired: 5/31/2013 10:33:54 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.2707	.23395	1.0301	1.2825	1.3394	F 45.034	8.6267
Stddev	1.2873	.11175	.0763	1.3453	1.3553	.042	2.5208
%RSD	56.690	47.765	7.4033	104.89	101.18	.09315	29.221

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						20.000	
Low Limit						-1000.0	

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	-.48789
Stddev	2.9489
%RSD	604.42

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6697.6	5522.1	65669.	10119.
Stddev	1.6	5.5	352.	59.
%RSD	.02409	.09926	.53574	.58262

Sample Name: LCS 240-87457/2-A Acquired: 5/31/2013 10:37:46 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49.498	1931.2	1895.4	967.05	1931.4	47.883	46807.	48.74
Stddev	.222	13.7	4.3	1.67	3.0	.151	62.	.33
%RSD	.44759	.71116	.22588	.17300	.15712	.31561	.13267	.6750

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	462.23	187.99	237.72	943.05	48581.	958.17	47169.	467.71
Stddev	.46	.70	.82	2.24	111.	2.58	89.	.64
%RSD	.09903	.37172	.34332	.23743	.22924	.26900	.18957	.13625

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	928.71	48728.	463.56	461.78	476.4	1945.0	1870.6	946.14
Stddev	1.45	78.	.64	1.08	.8	8.0	5.3	.44
%RSD	.15587	.16084	.13796	.23422	.1753	.40910	.28285	.04613

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: LCS 240-87457/2-A Acquired: 5/31/2013 10:37:46 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1862.3	494.91	506.35	972.60	947.36
Stddev	2.5	4.04	.75	9.52	2.10
%RSD	.13414	.81547	.14727	.97866	.22188

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6298.8	5332.3	62712.	10137.
Stddev	7.1	1.1	518.	85.
%RSD	.11251	.02074	.82544	.83710

Sample Name: Z240-24946-F-1-A Acquired: 5/31/2013 10:41:25 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.19148	-2.1933	3.2601	150.69	76.262	-.05266	75082.	.1076
Stddev	.33840	6.6163	1.3073	.53	.086	.03260	271.	.0244
%RSD	176.72	301.66	40.099	.35008	.11216	61.895	.36098	22.67

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.17075	.82237	-.46031	224.47	2459.9	12.707	24775.	25.064
Stddev	.16050	.02726	.79538	1.19	2.0	1.466	23.	.099
%RSD	93.999	3.3145	172.79	.53131	.08112	11.536	.09460	.39339

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.0214	83898.	1.3853	1.2392	-1.030	.14230	.95511	.04678
Stddev	.0734	176.	.0506	.3015	.354	2.0301	.62438	.12393
%RSD	2.4287	.20937	3.6501	24.329	34.38	1426.7	65.372	264.90

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: Z240-24946-F-1-A Acquired: 5/31/2013 10:41:25 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.5021	2.3639	9.0085	2910.7	988.09
Stddev	.5407	2.0503	.0536	19.5	4.63
%RSD	21.611	86.733	.59512	.66907	.46821

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6343.4	5329.9	62749.	10151.
Stddev	15.2	15.4	49.	21.
%RSD	.23906	.28903	.07742	.20563

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.318%	97.542%	96.116%	94.384%
Range				

Sample Name: Z240-24920-C-1-I Acquired: 5/31/2013 10:45:23 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.1867	93990.	18.214	18.996	532.28	2.7572	19442.
Stddev	.1038	265.	.897	.319	.57	.0721	62.
%RSD	8.7433	.28151	4.9237	1.6780	.10698	2.6146	.31976

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.124	55.961	134.17	115.84	132340.	3288.7	69.640
Stddev	.160	.331	.33	.57	763.	60.9	1.400
%RSD	14.21	.59090	.24921	.49212	.57680	1.8519	2.0109

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	26652.	2818.9	2.0991	454.90	124.44	56.305	-1.874
Stddev	161.	23.7	.2660	11.75	.85	.687	1.348
%RSD	.60520	.84173	12.670	2.5837	.68602	1.2197	71.93

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: Z240-24920-C-1-I Acquired: 5/31/2013 10:45:23 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.4774	12.344	8460.0	-.20720	348.01	454.18	4332.9
Stddev	.7956	.456	76.8	1.3105	.26	1.43	61.3
%RSD	22.879	3.6982	.90727	632.46	.07596	.31590	1.4154

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	77.318
Stddev	5.190
%RSD	6.7127

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6370.7	5700.5	67443.	10914.
Stddev	20.6	11.0	130.	185.
%RSD	.32355	.19245	.19258	1.6946

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.727%	104.32%	103.31%	101.47%
Range				

Sample Name: 190-855-a-1-a Acquired: 5/31/2013 10:49:36 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.14996	237.69	44.165	28.892	251.52	-.09332	86082.	.1853
Stddev	.17783	434.13	.923	.474	.39	.03512	750.	.0788
%RSD	118.59	182.64	2.0910	1.6411	.15320	37.634	.87125	42.53

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.21547	.56519	-.98672	13792.	1391.2	2.5554	29695.	33.415
Stddev	.33606	.08399	.38952	510.	17.4	.6697	175.	.061
%RSD	155.97	14.861	39.476	3.7010	1.2525	26.207	.58816	.18148

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.058	8101.5	-.07975	-.03880	-2.248	-1.2115	.17018	2.2983
Stddev	.117	43.1	.10401	.98354	1.675	.5494	.55460	.1103
%RSD	1.1634	.53167	130.41	2534.9	74.50	45.346	325.90	4.7971

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 190-855-a-1-a Acquired: 5/31/2013 10:49:36 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.8579	.70010	5.2804	9050.5	664.81
Stddev	.2253	.54437	.8950	23.0	4.44
%RSD	7.8831	77.756	16.949	.25385	.66780

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6460.6	5388.4	63751.	10443.
Stddev	7.0	7.8	263.	83.
%RSD	.10901	.14513	.41215	.79114

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.079%	98.611%	97.652%	97.093%
Range				

Sample Name: SD 190-855-a-1-a@5 Acquired: 5/31/2013 10:53:36 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.01134	-15.981	8.0897	3.7423	50.524	-.05784	17574.	.0769
Stddev	.21470	16.979	2.3980	.1042	.006	.02416	21.	.0213
%RSD	1894.0	106.25	29.643	2.7845	.01133	41.769	.11919	27.66

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.04063	.21424	-1.0541	2758.7	264.40	-.05738	6159.9	6.8772
Stddev	.09176	.07099	.8950	8.1	6.42	.55995	10.4	.0291
%RSD	225.81	33.135	84.909	.29483	2.4272	975.82	.16960	.42382

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.8438	1601.0	.29135	.36400	-1.719	-.71334	.12431	.21562
Stddev	.0940	4.9	.30462	.54744	.665	1.1088	.33020	.11196
%RSD	5.0968	.30450	104.55	150.39	38.71	155.43	265.63	51.926

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: SD 190-855-a-1-a@5 Acquired: 5/31/2013 10:53:36 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.40345	1.3381	2.1649	1826.5	135.90
Stddev	.96823	1.4402	.0901	4.6	2.15
%RSD	239.99	107.63	4.1595	.25165	1.5819

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6567.7	5406.7	64601.	10251.
Stddev	21.4	17.5	448.	11.
%RSD	.32539	.32403	.69300	.11074

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.688%	98.946%	98.954%	95.311%
Range				

Sample Name: 190-855-a-1-b.ms Acquired: 5/31/2013 10:57:27 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	52.785	2057.0	2074.9	1070.9	2320.2	50.959	132880.
Stddev	.265	27.1	8.5	5.4	4.1	.133	1805.
%RSD	.50135	1.3168	.41195	.50305	.17730	.26194	1.3582

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	51.82	491.31	197.46	254.23	14325.	53787.	1040.5
Stddev	.22	1.96	1.90	1.34	16.	119.	.7
%RSD	.4190	.39977	.96113	.52812	.11185	.22127	.07036

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	78633.	519.60	1006.9	60194.	490.80	485.43	510.5
Stddev	127.	4.87	4.8	70.	2.20	1.95	3.7
%RSD	.16185	.93748	.48131	.11696	.44729	.40217	.7155

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 190-855-a-1-b.ms Acquired: 5/31/2013 10:57:27 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2063.9	2009.0	999.88	1981.0	526.76	496.39	10097.
Stddev	11.2	4.9	6.41	4.9	1.37	2.75	34.
%RSD	.54274	.24471	.64081	.24809	.25916	.55317	.34137

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1636.8
Stddev	3.4
%RSD	.20830

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6149.7	5267.6	63405.	10472.
Stddev	21.0	23.2	491.	57.
%RSD	.34127	.44023	.77496	.54087

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.407%	96.401%	97.122%	97.368%
Range				

Sample Name: 190-855-a-1-c msd Acquired: 5/31/2013 11:01:14 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	51.601	2025.1	2053.9	1060.3	2281.8	50.371	131740.
Stddev	.231	14.3	.5	1.9	1.5	.105	2320.
%RSD	.44806	.70641	.02507	.18241	.06615	.20826	1.7611

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	51.03	485.87	197.77	250.74	14117.	53553.	1028.4
Stddev	.22	.74	.80	.19	39.	127.	1.8
%RSD	.4292	.15233	.40213	.07762	.27874	.23767	.17126

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	78815.	520.59	997.87	59765.	485.11	481.24	505.7
Stddev	247.	2.07	2.01	85.	.44	.03	3.2
%RSD	.31348	.39799	.20099	.14158	.09063	.00561	.6258

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 190-855-a-1-c msd Acquired: 5/31/2013 11:01:14 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2040.6	1985.6	992.70	1966.2	522.88	490.10	10028.
Stddev	7.1	1.0	.21	5.1	5.24	.38	21.
%RSD	.34980	.04937	.02081	.26069	1.0012	.07829	.20677

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1634.6
Stddev	4.5
%RSD	.27382

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6144.9	5262.7	60955.	9810.1
Stddev	8.7	15.5	942.	66.4
%RSD	.14092	.29543	1.5456	.67706

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.335%	96.311%	93.369%	91.213%
Range				

Sample Name: 190-854-a-1-a Acquired: 5/31/2013 11:05:01 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.10340	32.795	2.3198	92.464	1.9568	-.03672	24432.	.1671
Stddev	.05772	18.892	1.3259	.575	.2103	.02757	33.	.0434
%RSD	55.829	57.605	57.154	.62209	10.748	75.060	.13373	25.97

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.15806	2.7502	2.6344	42.924	11052.	2.0716	7063.8	245.13
Stddev	.10798	.0665	.4136	.878	22.	1.3507	22.8	.34
%RSD	68.314	2.4176	15.701	2.0461	.19914	65.203	.32256	.13962

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24.810	63452.	317.79	.46694	.7608	.54637	36.242	1.7704
Stddev	.116	96.	.65	1.1747	.6786	1.1411	.488	2.3903
%RSD	.46640	.15102	.20390	251.58	89.19	208.85	1.3459	135.01

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 190-854-a-1-a Acquired: 5/31/2013 11:05:01 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.0861	1.0190	202.69	2197.8	36.019
Stddev	.5768	.9184	.68	7.3	5.498
%RSD	27.652	90.127	.33574	.33071	15.266

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6563.7	5438.4	64162.	10407.
Stddev	26.1	28.7	346.	29.
%RSD	.39731	.52842	.53861	.27495

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.628%	99.527%	98.282%	96.759%
Range				

Sample Name: 190-855-a-2-a Acquired: 5/31/2013 11:08:48 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.06798	k 319.47	kF 10940.	59.981	22031.	k 4.4507
Stddev	.26029	15.22	100.	1.199	309.	.0237
%RSD	382.86	4.7655	.91644	1.9996	1.4017	.53234

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			5000.0			
Low Limit			-500000.			

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	375610.	k 69.29	s -21.598	7.0204	k 189.58	^ *****
Stddev	4449.	.90	1.241	.1856	.25	-----
%RSD	1.1844	1.305	5.7450	2.6435	.13149	-----

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	820.31	-8.8690	35683.	4428.8	77.850	8172.7
Stddev	9.75	1.5681	132.	23.9	.950	.8
%RSD	1.1887	17.680	.37005	.53889	1.2208	.01020

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 190-855-a-2-a Acquired: 5/31/2013 11:08:48 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	s 103.07	k 117.09	k -107.9	21.244	s 24.359	11.785
Stddev	.75	1.56	4.7	4.661	2.147	.256
%RSD	.73226	1.3344	4.322	21.941	8.8121	2.1727

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	s 28.506	k 192.49	s 163.69	F 236430.	5746.5
Stddev	1.752	1.70	.10	7187.	.6
%RSD	6.1457	.88407	.06324	3.0398	.01009

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				200000.	
Low Limit				-500000.	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	^ *****	4558.1	59667.	10090.
Stddev	-----	16.5	309.	133.
%RSD	-----	.36177	.51839	1.3190

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.76%	83.416%	91.396%	93.819%
Range				

Sample Name: CCV Acquired: 5/31/2013 11:12:59 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1014.0	25520.	503.07	4986.3	2005.3	2010.8	49188.	501.0
Stddev	2.3	53.	.39	9.2	3.2	2.6	35.	.5
%RSD	.23173	.20609	.07671	.18480	.16177	.13073	.07141	.0953

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1933.8	1966.8	1979.5	24890.	51434.	5098.1	49845.	1904.6
Stddev	1.6	2.1	5.3	56.	76.	7.7	64.	6.4
%RSD	.08238	.10471	.26997	.22380	.14713	.15082	.12845	.33382

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1960.2	50998.	1924.0	486.15	497.5	499.97	4992.1	4959.2
Stddev	2.1	104.	1.3	1.76	1.1	.92	12.0	11.5
%RSD	.10859	.20454	.06724	.36136	.2168	.18377	.23961	.23217

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: CCV Acquired: 5/31/2013 11:12:59 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	988.12	2066.0	1958.7	5515.2	5043.1
Stddev	2.90	2.5	3.8	159.3	12.9
%RSD	.29334	.12034	.19244	2.8885	.25563

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6165.7	5286.0	61714.	9765.1
Stddev	38.6	39.9	202.	16.5
%RSD	.62627	.75506	.32710	.16928

Sample Name: CCB Acquired: 5/31/2013 11:16:47 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.09150	k 72.039	k .74960	8.4864	^ *****	kF 6.5689	592.30
Stddev	.17816	64.125	.62337	.6708	-----	5.6502	506.78
%RSD	194.72	89.014	83.161	7.9043	-----	86.015	85.561

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						1.0000	
Low Limit						-1.0000	

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	k -.0130	-.08545	.26409	k -.37553	^ *****	194.12	19.313
Stddev	.0560	.06540	.24212	.40384	-----	164.70	13.942
%RSD	431.6	76.534	91.682	107.54	-----	84.845	72.189

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	201.53	.20965	1.8051	200.71	k .10862	k .67066	k -1.267
Stddev	176.23	.02052	.2910	157.86	.22855	.64541	.949
%RSD	87.442	9.7864	16.123	78.650	210.41	96.235	74.88

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: CCB Acquired: 5/31/2013 11:16:47 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.0604	1.4118	1.5478	k .83415	kF 9.0736	-.86827	247.06
Stddev	.6555	.3469	.1805	1.0235	6.9738	.03270	194.02
%RSD	61.818	24.574	11.665	122.70	76.858	3.7664	78.533

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit					5.0000		
Low Limit					-5.0000		

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	23.934
Stddev	20.157
%RSD	84.221

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6756.0	5525.4	66398.	10200.
Stddev	57.7	41.9	246.	80.
%RSD	.85433	.75847	.36982	.78658

Sample Name: CCV Acquired: 5/31/2013 11:35:14 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1011.3	25243.	492.92	4944.1	2008.9	1992.5	48437.	496.5
Stddev	1.7	69.	.68	2.4	2.6	4.3	74.	.2
%RSD	.16768	.27423	.13743	.04903	.12813	.21530	.15235	.0389

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1910.4	1936.0	1969.2	24120.	50926.	5053.0	48724.	1879.7
Stddev	2.3	3.1	4.7	15.	97.	6.4	47.	.8
%RSD	.12109	.15901	.23975	.06045	.19106	.12613	.09560	.04256

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1929.2	50773.	1898.5	476.59	491.3	491.49	4960.0	4880.1
Stddev	3.1	89.	2.6	1.95	.1	1.88	1.9	14.6
%RSD	.16324	.17575	.13603	.40929	.0194	.38232	.03874	.29862

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: CCV Acquired: 5/31/2013 11:35:14 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	977.35	2033.0	1933.6	5314.4	5051.0
Stddev	1.66	3.9	4.9	127.8	1.1
%RSD	.16968	.19279	.25255	2.4045	.02151

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6154.2	5288.8	62406.	9973.5
Stddev	12.4	14.3	154.	14.2
%RSD	.20186	.27021	.24670	.14250

Sample Name: CCB Acquired: 5/31/2013 11:39:01 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.11747	-8.0684	-.00216	9.0265	.20753	.10243	-2.3229	.1361
Stddev	.18589	12.134	.49579	2.3775	.16334	.02241	.4800	.1641
%RSD	158.24	150.39	22918.	26.339	78.708	21.881	20.666	120.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.32901	-.02222	-.99402	2.1346	-10.271	1.6739	2.7374	.10113
Stddev	.48095	.26670	.62622	.3564	27.896	1.5118	5.8885	.03681
%RSD	146.18	1200.5	62.999	16.694	271.58	90.313	215.12	36.399

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.0734	7.2517	.60781	.66827	-.5987	-1.0275	2.8917	1.6535
Stddev	.3417	1.0423	.91972	.75427	.5051	1.0883	1.3806	.1666
%RSD	16.478	14.373	151.32	112.87	84.36	105.91	47.742	10.079

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB Acquired: 5/31/2013 11:39:01 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.4768	2.5288	-.11645	4.2469	2.6478
Stddev	.8009	.7872	.61620	1.5455	2.9838
%RSD	54.229	31.128	529.13	36.393	112.69

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6699.6	5488.4	64904.	10247.
Stddev	36.4	26.9	204.	152.
%RSD	.54406	.48939	.31370	1.4855

Sample Name: 190-855-a-2-a@10 Acquired: 5/31/2013 11:44:17 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.04361	26.953	1050.4	7.1673	2237.8	.48444	42084.
Stddev	.46297	15.497	1.1	.4617	2.2	.08143	87.
%RSD	1061.5	57.496	.10859	6.4416	.09659	16.809	.20727

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.067	-3.7155	1.1512	.77351	362980.	40.870	-1.0830
Stddev	.056	.1724	.1050	.31866	1688.	20.079	.9916
%RSD	5.237	4.6398	9.1213	41.197	.46495	49.129	91.561

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4074.7	493.06	7.6036	783.90	-8.0295	-3.8025	-3.324
Stddev	7.9	.72	.0373	2.09	.1661	1.4596	3.620
%RSD	.19421	.14589	.49082	.26642	2.0685	38.385	108.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 190-855-a-2-a@10 Acquired: 5/31/2013 11:44:17 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.46781	3.2275	1.3570	5.0117	2.1234	24.207	23245.
Stddev	1.4753	.4620	.1832	.5692	1.7994	.007	702.
%RSD	315.35	14.314	13.499	11.357	84.745	.03071	3.0200

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	624.51
Stddev	.80
%RSD	.12875

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6271.4	5342.4	63959.	10201.
Stddev	6.9	2.6	459.	21.
%RSD	.11078	.04870	.71706	.20248

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.236%	97.769%	97.970%	94.848%
Range				

Sample Name: 190-856-b-8-a Acquired: 5/31/2013 11:48:13 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.18307	k 1723.4	k 1.5644	1721.3	29.301	k -.04160	43269.
Stddev	.43063	10.5	.9126	2.6	5.207	.02686	81.
%RSD	235.23	.60861	58.332	.15385	17.770	64.566	.18801

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	k .2877	1.2060	1.3618	k 32.207	^ *****	5685.9	10.173
Stddev	.0450	.2183	.1443	.839	-----	20.7	2.239
%RSD	15.65	18.102	10.599	2.6055	-----	.36462	22.005

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7919.2	150.42	83.944	187800.	k 6.8339	k 5.0805	k .1761
Stddev	25.1	.08	.445	1055.	.0682	1.2139	1.234
%RSD	.31709	.05165	.52972	.56189	.99807	23.893	700.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 190-856-b-8-a Acquired: 5/31/2013 11:48:13 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.2944	3.7161	1.1537	k 1.9337	k .39034	112.06	1043.8
Stddev	1.6915	.2000	.1332	.2198	.90013	.40	45.6
%RSD	130.68	5.3830	11.549	11.367	230.60	.35314	4.3733

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	831.67
Stddev	3.30
%RSD	.39648

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6298.0	5363.4	64078.	10706.
Stddev	46.9	31.3	212.	32.
%RSD	.74452	.58400	.33083	.30303

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.636%	98.154%	98.152%	99.546%
Range				

Sample Name: 190-856-b-9-a Acquired: 5/31/2013 11:52:08 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.30106	1035.0	1.8661	1809.2	25.418	-.06006	44383.
Stddev	.39896	12.5	1.0059	2.9	.205	.00530	114.
%RSD	132.52	1.2051	53.904	.15839	.80627	8.8239	.25694

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3342	.93120	1.4369	29.346	761.25	5960.0	14.010
Stddev	.1585	.16856	.1119	.217	1.88	43.8	1.526
%RSD	47.41	18.101	7.7889	.73827	.24724	.73461	10.893

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8247.7	144.74	85.965	195750.	4.3416	2.4825	-.9207
Stddev	43.3	.17	.284	411.	.2525	.3195	1.526
%RSD	.52474	.12079	.33040	.21020	5.8162	12.869	165.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 190-856-b-9-a Acquired: 5/31/2013 11:52:08 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.29803	1.8966	.56679	1.2412	.41412	85.115	950.85
Stddev	2.9891	.3968	.17678	.3528	.60483	.146	10.00
%RSD	1003.0	20.923	31.189	28.424	146.05	.17119	1.0518

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	851.63
Stddev	4.22
%RSD	.49588

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6349.5	5401.4	62704.	9982.8
Stddev	55.0	38.9	161.	116.0
%RSD	.86546	.71952	.25639	1.1621

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.410%	98.849%	96.047%	92.819%
Range				

Sample Name: 190-860-a-1-a Acquired: 5/31/2013 11:56:03 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.17187	202.72	2.1918	101.07	3.5241	-.06340	29407.	-.0419
Stddev	.45185	9.63	.6351	.21	.0966	.01883	62.	.0120
%RSD	262.90	4.7502	28.974	.20748	2.7409	29.695	.20958	28.58

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.17054	1.8434	3.4562	95.706	11403.	8.8666	7903.6	224.12
Stddev	.11848	.0747	.1265	.231	40.	.7282	52.7	.59
%RSD	69.474	4.0504	3.6600	.24180	.34726	8.2124	.66691	.26474

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	201.44	66515.	451.07	1.6922	-.4586	-.82073	19.672	.31832
Stddev	.45	77.	1.65	.4663	.7673	1.2150	.252	.20695
%RSD	.22291	.11575	.36668	27.557	167.3	148.03	1.2832	65.013

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 190-860-a-1-a Acquired: 5/31/2013 11:56:03 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.90419	2.1508	182.83	2727.8	47.489
Stddev	1.0976	1.5286	.16	.5	2.542
%RSD	121.39	71.069	.08830	.01983	5.3536

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6648.2	5520.6	65173.	10344.
Stddev	11.6	8.7	83.	118.
%RSD	.17517	.15679	.12738	1.1363

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.898%	101.03%	99.830%	96.181%
Range				

Sample Name: 240-24742-j-2-b Acquired: 5/31/2013 11:59:51 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.10970	48.077	.85508	83.767	62.737	-.11552	109740.
Stddev	.36732	2.904	.88538	.298	.173	.03128	2423.
%RSD	334.85	6.0393	103.54	.35522	.27640	27.075	2.2075

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2762	-.13439	1.2135	.29899	128.39	5060.3	2.4603
Stddev	.1058	.03872	.1749	.38665	1.48	16.9	.6133
%RSD	38.29	28.810	14.414	129.32	1.1493	.33350	24.930

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18302.	70.990	6.0311	6845.7	.60026	1.5390	-2.896
Stddev	63.	.219	.2634	10.9	.28943	.9029	1.691
%RSD	.34654	.30856	4.3672	.15870	48.217	58.671	58.41

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24742-j-2-b Acquired: 5/31/2013 11:59:51 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .38078	.32759	.18390	1.3175	1.2754	9.3437	9882.5
Stddev	.67235	.55983	.19698	.4951	.5542	.0873	30.8
%RSD	176.57	170.89	107.11	37.577	43.456	.93476	.31168

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	533.56
Stddev	2.14
%RSD	.40117

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6494.3	5386.4	64233.	10278.
Stddev	21.1	17.2	199.	100.
%RSD	.32523	.31849	.30904	.97680

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.585%	98.575%	98.390%	95.565%
Range				

Sample Name: 240-24742-j-2-b@5 Acquired: 5/31/2013 12:03:50 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.16641	-12.327	.40836	16.265	12.835	-.05880	22866.	-.0012
Stddev	.39686	1.444	.57840	.429	.117	.01771	43.	.0540
%RSD	238.49	11.717	141.64	2.6380	.91437	30.123	.18695	4467.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.10993	.37853	-.84549	25.568	975.09	.81364	3777.5	14.805
Stddev	.12366	.27778	.21367	.227	29.42	1.2165	14.5	.053
%RSD	112.49	73.385	25.272	.88593	3.0169	149.51	.38372	.35826

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.0935	1375.3	-.14444	.52572	-2.469	-1.8113	-.33916	-.31649
Stddev	.1342	4.8	.22600	.56169	1.134	1.1018	.49287	.13361
%RSD	12.269	.34640	156.47	106.84	45.93	60.829	145.32	42.216

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24742-j-2-b@5 Acquired: 5/31/2013 12:03:50 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.1490	2.2084	4.4940	2003.7	107.07
Stddev	.5782	1.1286	.1541	2.2	1.80
%RSD	50.323	51.104	3.4294	.10733	1.6779

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6782.4	5543.2	64659.	10395.
Stddev	50.5	35.8	100.	45.
%RSD	.74455	.64620	.15495	.43664

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	101.91%	101.45%	99.042%	96.649%
Range				

Sample Name: 240-24742-j-2-b@25 Acquired: 5/31/2013 12:07:43 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.04174	-3.1170	-1.3061	2.3065	2.7278	-.05783	4536.8	-.0084
Stddev	.36843	15.576	.8122	.3664	.1499	.03171	163.9	.0489
%RSD	882.77	499.71	62.181	15.885	5.4933	54.843	3.6117	584.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.23639	.28297	-1.1646	6.2481	161.91	-1.0846	766.14	2.9424
Stddev	.24542	.26190	.3881	2.8981	15.67	1.0591	19.70	.0167
%RSD	103.82	92.552	33.325	46.384	9.6770	97.645	2.5710	.56606

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.16772	285.27	.10404	-.09876	-2.149	-1.3369	.32302	-.50215
Stddev	.10355	16.87	.11820	.28675	1.110	2.1543	.22169	.08107
%RSD	61.738	5.9143	113.61	290.35	51.66	161.14	68.629	16.144

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24742-j-2-b@25 Acquired: 5/31/2013 12:07:43 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.44963	.58124	1.9428	404.34	19.827
Stddev	.17243	1.0342	.1058	11.33	3.133
%RSD	38.349	177.92	5.4470	2.8019	15.802

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6729.8	5496.8	66277.	10515.
Stddev	32.9	21.3	339.	100.
%RSD	.48887	.38763	.51104	.94714

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	101.12%	100.60%	101.52%	97.763%
Range				

Sample Name: 240-24742-h-2-b Acquired: 5/31/2013 12:11:36 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.04197	-10.470	.58105	82.131	61.267	-.11994	111570.
Stddev	.20606	6.028	2.3166	.385	.081	.01331	1339.
%RSD	490.98	57.572	398.70	.46847	.13206	11.100	1.2000

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1426	-.12992	1.3746	.06171	6.6460	5004.4	-.58951
Stddev	.0702	.05500	.1455	.45380	.3855	18.7	.93355
%RSD	49.26	42.336	10.585	735.33	5.8000	.37380	158.36

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18158.	1.2581	5.3654	6559.9	.20807	.44228	-3.553
Stddev	9.	.0065	.1399	5.8	.30002	1.2685	1.101
%RSD	.04856	.51296	2.6076	.08845	144.20	286.81	31.00

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24742-h-2-b Acquired: 5/31/2013 12:11:36 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.2676	.13889	-.47137	2.1191	.41966	7.7611	9825.2
Stddev	2.0910	.26554	.05321	.4463	.73398	.1536	16.4
%RSD	92.208	191.18	11.288	21.059	174.90	1.9790	.16681

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	533.84
Stddev	1.10
%RSD	.20657

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6605.0	5467.9	65049.	10553.
Stddev	70.1	49.9	136.	17.
%RSD	1.0610	.91261	.20873	.15898

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.249%	100.07%	99.639%	98.121%
Range				

Sample Name: CCV Acquired: 5/31/2013 12:15:38 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1014.4	25542.	501.85	5000.2	2018.5	2004.8	48534.	501.7
Stddev	2.1	204.	1.31	4.0	12.4	12.3	107.	.3
%RSD	.21160	.79760	.26068	.07990	.61595	.61331	.22117	.0622

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1926.2	1952.0	1993.0	24220.	51419.	5097.0	48589.	1886.1
Stddev	2.0	5.0	3.4	147.	331.	22.8	297.	4.2
%RSD	.10344	.25660	.17105	.60505	.64429	.44791	.61123	.22163

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1969.5	51052.	1912.7	486.65	498.5	500.01	4934.7	4921.4
Stddev	3.4	277.	.7	2.51	1.4	1.11	8.2	15.9
%RSD	.17292	.54336	.03628	.51483	.2900	.22250	.16553	.32234

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: CCV Acquired: 5/31/2013 12:15:38 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	985.52	2059.3	1945.1	5209.4	5058.0
Stddev	3.46	12.5	5.6	128.2	27.8
%RSD	.35141	.60732	.28690	2.4616	.55054

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6219.2	5310.1	63333.	10213.
Stddev	12.6	2.0	431.	52.
%RSD	.20180	.03761	.68129	.50844

Sample Name: CCB Acquired: 5/31/2013 12:19:25 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.1215	1.6625	-3.1963	10.532	.17277	.16676	.60342
Stddev	5.0903	9.6126	1.1895	3.596	.16139	.03157	2.8223
%RSD	163.07	578.19	372.14	34.146	93.411	18.928	467.71

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2735	1.0497	F 6.0187	F 5.9376	2.4116	6.9036	1.6875
Stddev	.4879	1.4945	9.8013	10.158	1.0131	72.292	.5121
%RSD	178.4	142.38	162.85	171.08	42.011	1047.2	30.346

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			5.0000	5.0000			
Low Limit			-5.0000	-5.0000			

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.0991	5.6999	2.7100	25.588	.75687	.42930	-1.418
Stddev	10.442	9.5284	1.8049	6.392	1.9597	.69312	.725
%RSD	950.04	167.17	66.600	24.980	258.92	161.45	51.11

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: CCB Acquired: 5/31/2013 12:19:25 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-59386	3.9757	16.132	1.0194	.54337	.05700	9.1774
Stddev	.58264	4.7554	24.954	.6248	1.0510	1.6671	6.0993
%RSD	98.112	119.61	154.69	61.283	193.42	2924.9	66.461

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	5.0087
Stddev	2.4788
%RSD	49.490

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6848.1	5582.6	65568.	10148.
Stddev	30.3	20.5	602.	4.
%RSD	.44234	.36747	.91856	.04252

Sample Name: 240-24742-h-2-b@5 Acquired: 5/31/2013 12:25:02 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.84155	-5.8448	.02804	17.395	13.028	.20592	23061.	.1487
Stddev	1.8619	21.767	1.5922	.150	.346	.39159	120.	.0712
%RSD	221.25	372.42	5679.3	.86249	2.6542	190.17	.51980	47.88

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.05076	2.1566	1.3182	5.1554	980.20	1.9613	3845.2	1.9403
Stddev	.09299	2.8565	2.7279	3.6991	21.30	2.2077	33.6	2.7882
%RSD	183.21	132.45	206.94	71.751	2.1733	112.56	.87491	143.70

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.1725	1317.6	.10315	.61967	-2.039	.26239	.22030	4.1373
Stddev	.0610	6.4	.29941	.92160	1.137	.82288	.41571	7.0409
%RSD	5.2058	.48765	290.25	148.72	55.77	313.60	188.70	170.18

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24742-h-2-b@5 Acquired: 5/31/2013 12:25:02 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.44459	.80101	3.0094	1995.1	111.25
Stddev	.77914	.24383	.1032	5.1	2.54
%RSD	175.25	30.441	3.4300	.25559	2.2812

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6697.7	5484.8	62992.	9726.3
Stddev	57.5	42.7	423.	144.7
%RSD	.85867	.77923	.67107	1.4876

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.64%	100.38%	96.488%	90.434%
Range				

Sample Name: 240-24742-h-2-b@25 Acquired: 5/31/2013 12:28:54 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.14909	-15.154	.29806	2.9783	3.1602	.18246	4458.8	.0419
Stddev	.24576	6.017	1.1112	.2268	.1384	.29967	46.4	.0357
%RSD	164.84	39.705	372.82	7.6139	4.3786	164.24	1.0398	85.29

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.02176	-.02880	-.67305	3.2304	190.64	.48864	762.39	.07314
Stddev	.15813	.11509	.16107	3.8895	15.78	.33042	12.97	.00772
%RSD	726.81	399.69	23.931	120.40	8.2767	67.620	1.7009	10.552

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.32064	279.77	-.39101	1.3303	-.9912	-2.6821	.21690	-.38433
Stddev	.12285	11.95	.30282	.4060	1.633	1.5165	.22133	.13890
%RSD	38.315	4.2716	77.445	30.522	164.8	56.542	102.04	36.140

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24742-h-2-b@25 Acquired: 5/31/2013 12:28:54 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.05232	.97816	1.7634	388.63	24.749
Stddev	.86552	2.4544	.0375	5.93	5.478
%RSD	1654.4	250.92	2.1259	1.5266	22.135

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6785.3	5544.6	66125.	10405.
Stddev	38.7	25.4	216.	147.
%RSD	.57070	.45811	.32596	1.4081

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	101.96%	101.47%	101.29%	96.742%
Range				

Sample Name: 240-24884-d-1-a Acquired: 5/31/2013 12:32:47 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.10914	4027.9	3.9488	128.92	104.96	.12193	110570.
Stddev	.00390	23.1	1.1777	.54	.04	.06855	1310.
%RSD	3.5777	.57317	29.825	.41579	.03390	56.220	1.1844

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3785	3.0230	5.2076	4.9330	9791.8	3653.9	27.206
Stddev	.0883	.0968	.0334	.8075	29.2	9.1	.781
%RSD	23.33	3.2021	.64200	16.370	.29781	.24999	2.8720

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	55434.	488.59	57.666	28656.	8.3632	3.3585	-4.268
Stddev	321.	.95	.087	99.	.1801	.7214	.747
%RSD	.57908	.19447	.15052	.34457	2.1533	21.479	17.50

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24884-d-1-a Acquired: 5/31/2013 12:32:47 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-57463	.53322	34.792	2.2106	9.4864	74.706	12547.
Stddev	.18996	.34238	.313	.7743	1.0758	.242	35.
%RSD	33.057	64.210	.89903	35.030	11.340	.32456	.27635

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	774.46
Stddev	5.95
%RSD	.76793

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6380.7	5451.4	63642.	10282.
Stddev	26.2	18.4	91.	78.
%RSD	.41051	.33706	.14320	.76269

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.878%	99.765%	97.485%	95.596%
Range				

Sample Name: 240-24884-d-2-a Acquired: 5/31/2013 12:36:42 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.09399	6230.3	7.3138	48.228	1754.3	.19482	147100.
Stddev	.28983	22.6	.6503	.278	3.8	.02260	784.
%RSD	308.36	.36299	8.8913	.57608	.21462	11.598	.53265

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4155	10.517	7.8949	10.732	9255.5	3702.9	13.464
Stddev	.1280	.130	.2318	.389	25.1	17.0	.597
%RSD	30.80	1.2332	2.9360	3.6203	.27162	.45874	4.4328

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	68779.	721.98	22.119	15610.	21.280	3.3885	-1.824
Stddev	207.	1.39	.099	11.	.084	.9838	.951
%RSD	.30106	.19249	.44951	.06772	.39524	29.033	52.15

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24884-d-2-a Acquired: 5/31/2013 12:36:42 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-56893	1.0746	52.579	3.9758	19.806	74.609	15273.
Stddev	1.3982	.7222	.221	1.2732	.649	.185	277.
%RSD	245.76	67.208	.42102	32.025	3.2769	.24853	1.8118

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	283.78
Stddev	1.63
%RSD	.57405

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6321.6	5361.4	63282.	10228.
Stddev	7.1	8.5	46.	70.
%RSD	.11241	.15916	.07223	.68856

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.991%	98.117%	96.934%	95.102%
Range				

Sample Name: 240-24884-d-3-a Acquired: 5/31/2013 12:40:39 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.04979	60175.	93.087	160.30	3159.1	3.9967	236320.
Stddev	.37625	241.	1.402	.42	47.4	.0459	2286.
%RSD	755.74	.40101	1.5065	.26003	1.5008	1.1490	.96728

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.7064	74.105	78.404	138.14	126580.	19813.	82.465
Stddev	.0819	.243	.450	1.12	1389.	14.	1.046
%RSD	11.60	.32833	.57423	.80780	1.0972	.06912	1.2681

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	98514.	1690.6	104.70	7139.5	169.68	56.021	-3.296
Stddev	86.	1.6	.32	18.4	.78	1.109	.529
%RSD	.08748	.09423	.30369	.25712	.45841	1.9798	16.05

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24884-d-3-a Acquired: 5/31/2013 12:40:39 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.98210	4.0663	332.26	6.7514	130.99	338.51	45462.
Stddev	2.5459	.5972	.39	.5684	.52	.83	2168.
%RSD	259.23	14.686	.11704	8.4185	.40054	.24610	4.7682

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	593.91
Stddev	5.06
%RSD	.85234

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6011.9	5732.1	68232.	11293.
Stddev	6.2	6.1	48.	68.
%RSD	.10231	.10621	.07059	.60516

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.337%	104.90%	104.51%	105.00%
Range				

Sample Name: 240-24884-d-3-a@5 Acquired: 5/31/2013 12:44:51 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.01580	13260.	18.976	32.900	686.67	.86141	52838.	.1816
Stddev	.09651	26.	1.671	.414	.31	.03105	55.	.0465
%RSD	610.98	.19416	8.8048	1.2591	.04550	3.6047	.10460	25.62

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14.416	17.690	28.163	28574.	4203.3	17.360	21895.	375.22
Stddev	.082	.256	.282	17.	29.3	.558	63.	.80
%RSD	.56542	1.4496	1.0022	.05810	.69607	3.2133	.28651	.21265

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23.167	1536.5	33.522	13.377	-2.113	-1.1402	.77171	77.400
Stddev	.423	5.3	.777	1.099	1.185	1.1108	.09420	.535
%RSD	1.8267	.34395	2.3193	8.2173	56.08	97.420	12.206	.69073

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24884-d-3-a@5 Acquired: 5/31/2013 12:44:51 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.7828	29.511	69.193	10993.	133.62
Stddev	.2012	.703	.275	187.	2.92
%RSD	11.286	2.3830	.39698	1.6995	2.1882

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6568.3	5570.9	65998.	10529.
Stddev	24.6	17.8	21.	50.
%RSD	.37505	.31945	.03138	.47782

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.698%	101.95%	101.09%	97.894%
Range				

Sample Name: 240-24884-d-4-a Acquired: 5/31/2013 12:48:40 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.32253	621.61	.17202	101.23	44.070	-.12356	131930.
Stddev	.10304	8.36	.86660	.79	.096	.02428	657.
%RSD	31.947	1.3448	503.78	.77873	.21783	19.652	.49773

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2442	4.0341	1.7490	.55645	1174.8	2871.6	29.946
Stddev	.0483	.1433	.1795	.73674	.9	36.1	.401
%RSD	19.79	3.5523	10.263	132.40	.07876	1.2565	1.3405

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47135.	326.45	3.3496	9947.1	4.0597	-.23779	-3.033
Stddev	110.	1.14	.0139	11.2	.4152	.37246	1.078
%RSD	.23409	.34810	.41620	.11300	10.227	156.64	35.56

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24884-d-4-a Acquired: 5/31/2013 12:48:40 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.59362	.04865	3.5008	2.3196	3.0975	24.663	4964.6
Stddev	1.7643	.30376	.2625	.8161	1.3359	.085	22.2
%RSD	297.21	624.44	7.4990	35.184	43.128	.34650	.44620

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	564.34
Stddev	2.04
%RSD	.36127

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6460.5	5394.5	63089.	10112.
Stddev	8.9	5.8	729.	116.
%RSD	.13850	.10699	1.1548	1.1432

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.077%	98.724%	96.638%	94.024%
Range				

Sample Name: 240-24884-d-5-a Acquired: 5/31/2013 12:52:37 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.13399	4625.7	6.9272	138.95	109.98	.17120	107950.
Stddev	.19538	43.4	.6144	.39	.16	.02298	1716.
%RSD	145.81	.93863	8.8689	.28169	.14727	13.423	1.5898

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2744	3.6995	5.8795	6.9579	12380.	3769.5	27.523
Stddev	.0892	.3174	.3117	.2430	4.	8.8	1.336
%RSD	32.50	8.5789	5.3020	3.4922	.02940	.23318	4.8530

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	53393.	496.69	57.615	28778.	10.871	4.0490	-1.030
Stddev	131.	.48	.228	11.	.187	1.6942	1.115
%RSD	.24531	.09707	.39650	.03989	1.7203	41.843	108.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24884-d-5-a Acquired: 5/31/2013 12:52:37 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.34654	.67575	41.808	2.9125	11.044	57.295	10998.
Stddev	1.6790	.44483	.200	1.0439	.629	.122	70.
%RSD	484.51	65.827	.47901	35.841	5.6952	.21210	.63846

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	741.43
Stddev	2.47
%RSD	.33321

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6339.0	5426.7	65078.	10509.
Stddev	11.3	13.7	85.	80.
%RSD	.17759	.25234	.13001	.76492

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.251%	99.312%	99.685%	97.710%
Range				

Sample Name: 240-24884-d-6-a Acquired: 5/31/2013 12:56:32 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.09118	462.96	1.8490	71.602	47.273	-.06034	60151.	.0897
Stddev	.27817	10.76	.8134	.743	.257	.03296	309.	.0534
%RSD	305.06	2.3245	43.990	1.0377	.54448	54.621	.51435	59.55

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.27196	1.2771	1.5041	507.44	4039.7	3.7748	18764.	25.328
Stddev	.15039	.1483	.4508	3.75	53.8	.9539	139.	.079
%RSD	55.298	11.612	29.975	.73849	1.3320	25.270	.74177	.31079

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.0092	26051.	2.0045	.21172	-.9661	-.95555	.16198	4.8862
Stddev	.1356	80.	.4296	1.4713	1.734	.26466	.30389	.0573
%RSD	1.9345	.30679	21.432	694.93	179.5	27.697	187.62	1.1729

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24884-d-6-a Acquired: 5/31/2013 12:56:32 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.1786	2.4152	8.7382	1557.6	836.88
Stddev	.6928	1.3049	.0957	11.6	2.95
%RSD	58.784	54.030	1.0956	.74664	.35221

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6607.8	5480.4	65332.	10308.
Stddev	21.1	5.2	139.	160.
%RSD	.32000	.09528	.21204	1.5527

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.290%	100.30%	100.07%	95.845%
Range				

Sample Name: 240-24884-d-7-a Acquired: 5/31/2013 13:00:22 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.02039	14.758	3.0458	92.519	45.195	-.09886	71360.	.2784
Stddev	.31305	15.430	1.8626	.499	.152	.01501	1040.	.0936
%RSD	1535.0	104.55	61.151	.53927	.33525	15.186	1.4571	33.62

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.50673	.53451	8.4472	1145.6	3966.4	7.2174	27642.	436.94
Stddev	.11786	.16014	.7353	13.8	32.3	.6754	116.	.19
%RSD	23.260	29.959	8.7047	1.2006	.81360	9.3572	.41887	.04371

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17.666	25737.	4.3381	1.1025	-3.143	-.90177	.62116	.06294
Stddev	.045	73.	.2371	.6221	1.506	1.3247	.34379	.04626
%RSD	.25419	.28400	5.4662	56.423	47.91	146.90	55.347	73.508

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24884-d-7-a Acquired: 5/31/2013 13:00:22 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.1420	-.07369	5.4544	2854.7	503.68
Stddev	.3225	.18189	.0476	14.5	3.62
%RSD	28.240	246.83	.87336	.50910	.71930

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6464.2	5381.5	63828.	10306.
Stddev	12.3	9.0	131.	56.
%RSD	.19028	.16722	.20479	.54412

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.133%	98.487%	97.769%	95.824%
Range				

Sample Name: CCV Acquired: 5/31/2013 13:04:22 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1012.2	25652.	498.41	4992.2	2015.4	2007.5	48112.	499.2
Stddev	.9	87.	1.22	6.1	1.3	2.5	61.	.5
%RSD	.09073	.33957	.24429	.12120	.06319	.12631	.12724	.1024

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1906.3	1931.6	1991.1	24104.	51635.	5107.7	48520.	1853.5
Stddev	1.1	6.2	3.9	15.	73.	7.2	101.	8.7
%RSD	.05778	.31971	.19477	.06072	.14146	.14013	.20895	.47004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1954.9	51138.	1892.2	481.29	501.2	498.80	4888.0	4853.8
Stddev	2.8	45.	2.3	2.12	1.4	1.82	11.3	35.7
%RSD	.14349	.08720	.12244	.44000	.2846	.36512	.23191	.73607

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: CCV Acquired: 5/31/2013 13:04:22 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	975.84	2068.3	1904.8	5371.6	5074.3
Stddev	.47	5.9	7.0	159.9	7.7
%RSD	.04841	.28327	.36629	2.9774	.15140

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6335.5	5403.5	63969.	10132.
Stddev	37.8	28.8	167.	61.
%RSD	.59738	.53382	.26123	.60636

Sample Name: CCB Acquired: 5/31/2013 13:08:09 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.27448	-10.243	-.82422	8.0004	.23148	.20304	2.1563	.1740
Stddev	.37831	4.604	.42729	.7116	.13020	.02590	1.3643	.1062
%RSD	137.83	44.945	51.842	8.8944	56.247	12.759	63.268	61.04

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.01950	.85709	.52226	2.2689	27.152	3.0195	16.632	1.0427
Stddev	.16979	1.1910	.41708	.6090	23.330	1.6173	5.860	1.5255
%RSD	870.73	138.96	79.859	26.840	85.926	53.562	35.232	146.31

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.7384	43.639	.28678	.66189	-1.060	-1.2434	1.5219	3.7083
Stddev	.0964	5.036	.27132	.63154	.953	2.5077	.2639	2.8638
%RSD	5.5474	11.541	94.610	95.415	89.87	201.68	17.342	77.227

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB Acquired: 5/31/2013 13:08:09 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.47485	.99657	-.86665	39.644	1.3358
Stddev	1.0061	1.8939	.08665	9.013	2.5991
%RSD	211.88	190.05	9.9983	22.735	194.58

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6706.6	5487.1	65052.	10044.
Stddev	25.3	28.3	237.	167.
%RSD	.37668	.51529	.36455	1.6579

Sample Name: 240-24884-d-8-a Acquired: 5/31/2013 13:12:54 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.04477	662.36	3.5316	107.94	52.360	-.08076	85881.	.1947
Stddev	.24888	11.24	.8779	.33	.110	.02489	634.	.0270
%RSD	555.90	1.6974	24.858	.30179	.21039	30.816	.73799	13.88

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.33843	3.8759	5.1969	963.21	3709.1	14.307	28308.	73.809
Stddev	.22246	.2823	.2678	1.89	31.5	1.557	96.	.053
%RSD	65.732	7.2837	5.1536	.19668	.84874	10.886	.33924	.07127

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16.569	27453.	3.5261	1.7649	-3.362	-1.1148	.31946	7.1087
Stddev	.076	22.	.3650	.4024	1.033	2.0871	.13685	.1815
%RSD	.45584	.07889	10.352	22.801	30.72	187.21	42.839	2.5528

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24884-d-8-a Acquired: 5/31/2013 13:12:54 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.5167	3.2020	10.144	3054.8	740.51
Stddev	.4992	1.5692	.007	6.6	4.72
%RSD	32.914	49.008	.06815	.21548	.63763

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6516.8	5408.1	63474.	10095.
Stddev	12.7	10.4	224.	50.
%RSD	.19414	.19228	.35271	.49615

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.923%	98.972%	97.226%	93.858%
Range				

Sample Name: 240-24884-d-9-a Acquired: 5/31/2013 13:16:51 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.03663	411.86	1.0896	75.396	50.788	.00429	75653.	.0759
Stddev	.35710	4.45	1.1422	.325	.286	.11119	646.	.0431
%RSD	974.99	1.0808	104.83	.43166	.56386	2591.2	.85446	56.81

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.13571	1.3125	1.7917	481.94	3548.1	6.6617	24126.	38.805
Stddev	.24574	.1398	.8723	2.48	30.4	1.1732	54.	.148
%RSD	181.08	10.654	48.687	.51532	.85569	17.611	.22246	.38198

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15.447	26352.	2.0533	1.4496	-2.350	-1.6025	-.11388	4.2961
Stddev	.139	125.	.2400	.6085	.763	.6967	.29469	.1797
%RSD	.90152	.47570	11.687	41.973	32.46	43.479	258.77	4.1817

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24884-d-9-a Acquired: 5/31/2013 13:16:51 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.1128	.90072	7.5156	3074.9	727.39
Stddev	.7180	1.5460	.1010	15.2	9.76
%RSD	64.523	171.64	1.3441	.49278	1.3416

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6581.3	5463.0	65696.	10271.
Stddev	13.1	9.7	132.	50.
%RSD	.19962	.17731	.20016	.48326

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.893%	99.977%	100.63%	95.496%
Range				

Sample Name: 240-24884-d-10-a Acquired: 5/31/2013 13:20:49 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.01350	821.09	6.8152	158.87	38.603	-.02383	46968.	.1789
Stddev	.57378	21.46	1.0582	.41	.167	.02259	56.	.0598
%RSD	4250.0	2.6134	15.527	.25683	.43340	94.804	.12020	33.44

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.2989	1.4427	1.3205	1206.0	8420.6	2.5880	16634.	353.64
Stddev	.2183	.4031	.5036	4.0	49.0	.2750	46.	4.38
%RSD	16.811	27.939	38.140	.32940	.58201	10.625	.27774	1.2397

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13.194	43123.	4.0787	1.7285	-2.068	-.60651	.13271	11.239
Stddev	.235	74.	.3548	1.2243	.607	.41021	.46007	.567
%RSD	1.7845	.17061	8.6976	70.832	29.35	67.635	346.67	5.0427

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24884-d-10-a Acquired: 5/31/2013 13:20:49 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.3449	2.8480	25.110	1488.3	549.79
Stddev	.5485	.2362	.055	5.8	4.15
%RSD	40.786	8.2949	.21801	.38906	.75470

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6588.2	5468.8	64858.	10122.
Stddev	15.4	12.5	391.	41.
%RSD	.23339	.22854	.60324	.40707

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.997%	100.08%	99.347%	94.115%
Range				

Sample Name: 240-24884-d-11-a Acquired: 5/31/2013 13:24:37 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.00224	748.59	3.6977	250.77	20.984	-.09212	70391.	.2437
Stddev	.09678	13.58	.3787	.28	.200	.00433	1262.	.0528
%RSD	4312.9	1.8142	10.240	.11154	.95217	4.7031	1.7932	21.65

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.92301	1.6173	3.3270	991.91	12008.	8.3740	23557.	21.416
Stddev	.07908	.0969	.3791	.67	43.	.9052	71.	.031
%RSD	8.5674	5.9943	11.395	.06744	.35910	10.810	.30014	.14299

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.8848	50354.	2.4545	1.6281	-1.249	-.71391	.29309	8.7119
Stddev	.0727	101.	.1372	.7404	1.481	1.7608	.71686	.0682
%RSD	.92201	.20057	5.5893	45.479	118.6	246.64	244.59	.78330

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24884-d-11-a Acquired: 5/31/2013 13:24:37 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.5114	3.8062	20.239	2713.8	1184.1
Stddev	.5330	1.7729	.191	12.7	4.5
%RSD	35.264	46.579	.94191	.46746	.38384

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6540.1	5429.8	64512.	10447.
Stddev	24.6	15.2	196.	98.
%RSD	.37650	.28023	.30409	.93706

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.274%	99.370%	98.817%	97.138%
Range				

Sample Name: 240-24900-f-1-a@5 Acquired: 5/31/2013 13:28:31 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.58324	18941.	16.186	47.671	867.75	2.5133	132110.
Stddev	.10634	16.	.720	.165	.81	.0206	571.
%RSD	18.233	.08654	4.4501	.34675	.09328	.82033	.43207

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.244	11.031	280.07	208.70	57543.	2121.0	21.125
Stddev	.088	.258	.27	.47	82.	36.3	2.021
%RSD	2.064	2.3395	.09630	.22590	.14302	1.7102	9.5682

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	32103.	4555.2	8.5129	1200.9	96.514	1443.1	-2.208
Stddev	47.	20.0	.1617	9.8	.032	5.6	1.795
%RSD	.14632	.43970	1.8993	.81693	.03318	.39030	81.33

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24900-f-1-a@5 Acquired: 5/31/2013 13:28:31 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.62248	33.551	602.39	2.1339	88.200	1356.9	2712.0
Stddev	.37863	.337	.32	.4252	2.549	6.7	30.5
%RSD	60.827	1.0052	.05347	19.925	2.8903	.49023	1.1254

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	370.72
Stddev	3.03
%RSD	.81861

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6380.8	5491.1	64733.	10388.
Stddev	27.8	25.4	230.	27.
%RSD	.43496	.46322	.35593	.26461

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.880%	100.49%	99.155%	96.588%
Range				

Sample Name: SD240-24900-f-1-a@25 Acquired: 5/31/2013 13:32:37 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.26676	3950.4	2.9689	8.2913	176.62	.48385	27538.	.9816
Stddev	.22298	22.1	1.2267	.3275	.61	.04124	64.	.1792
%RSD	83.585	.56063	41.317	3.9502	.34542	8.5234	.23196	18.26

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.9349	59.211	42.171	11959.	418.09	3.4366	6831.5	973.37
Stddev	.0983	.799	.931	13.	35.43	1.3293	30.7	19.93
%RSD	5.0818	1.3492	2.2071	.10878	8.4732	38.680	.44976	2.0470

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.7420	278.48	19.862	305.28	-2.424	-.98330	6.8358	123.88
Stddev	.0812	1.18	.448	1.64	1.834	1.5342	.1819	2.67
%RSD	4.6605	.42516	2.2546	.53782	75.67	156.03	2.6615	2.1587

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: SD240-24900-f-1-a@25 Acquired: 5/31/2013 13:32:37 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.0988	17.923	277.21	529.28	78.511
Stddev	.6487	1.107	1.16	2.72	4.013
%RSD	59.036	6.1751	.41830	.51355	5.1116

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6632.8	5479.9	65764.	10126.
Stddev	17.3	13.7	613.	99.
%RSD	.26084	.24972	.93180	.98027

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.667%	100.29%	100.74%	94.148%
Range				

Sample Name: 240-24900-f-1-b ms@5 Acquired: 5/31/2013 13:36:26 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.097	15006.	384.70	223.44	888.52	10.927	193590.
Stddev	.272	61.	1.90	.80	3.02	.010	771.
%RSD	2.6942	.40558	.49293	.35724	.33953	.09423	.39836

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12.55	99.829	255.04	172.54	42352.	11852.	206.91
Stddev	.15	.333	.79	.34	118.	72.	.70
%RSD	1.168	.33344	.31057	.19932	.27922	.60787	.33820

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	75748.	5102.2	188.41	10990.	130.18	854.39	51.77
Stddev	250.	14.4	.69	36.	.54	2.96	.92
%RSD	.32977	.28227	.36755	.33205	.41392	.34614	1.773

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24900-f-1-b ms@5 Acquired: 5/31/2013 13:36:26 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	375.88	378.83	739.16	375.60	233.92	890.66	4782.9
Stddev	1.36	1.97	1.64	1.97	5.27	3.75	75.1
%RSD	.36300	.51891	.22246	.52387	2.2533	.42064	1.5692

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	579.74
Stddev	.66
%RSD	.11449

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6177.8	5342.1	63087.	10004.
Stddev	23.4	14.8	451.	42.
%RSD	.37891	.27615	.71427	.42300

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.830%	97.765%	96.634%	93.014%
Range				

Sample Name: 240-24900-f-1-cmsd@5 Acquired: 5/31/2013 13:40:22 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.017	15557.	394.13	217.02	1030.0	11.224	113870.
Stddev	.411	18.	1.76	.11	1.4	.017	379.
%RSD	4.1036	.11852	.44596	.04856	.13692	.14988	.33265

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13.26	103.19	127.45	193.24	35405.	11736.	210.49
Stddev	.05	.41	.14	.33	47.	19.	.63
%RSD	.3955	.39288	.10998	.16996	.13366	.16418	.29979

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	32761.	2204.5	191.00	10957.	134.67	1049.9	48.51
Stddev	82.	15.0	.23	13.	.43	1.9	.96
%RSD	.24890	.67941	.11909	.11536	.31642	.18269	1.982

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24900-f-1-cmsd@5 Acquired: 5/31/2013 13:40:22 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	375.81	391.44	610.48	380.90	160.90	1080.0	4353.0
Stddev	.58	.91	1.00	.87	1.51	1.8	71.8
%RSD	.15307	.23171	.16369	.22862	.93574	.16927	1.6490

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	442.64
Stddev	3.22
%RSD	.72720

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6333.0	5422.0	64354.	10340.
Stddev	20.9	15.9	430.	18.
%RSD	.33036	.29353	.66848	.17590

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.161%	99.227%	98.575%	96.144%
Range				

Sample Name: 240-24920-c-1-i Acquired: 5/31/2013 13:44:18 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.1279	95281.	18.188	18.105	531.82	2.7121	19167.
Stddev	.3708	320.	.712	.219	.16	.0243	73.
%RSD	32.875	.33616	3.9120	1.2123	.02992	.89540	.38233

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.152	54.805	135.03	116.70	131480.	3339.8	69.966
Stddev	.094	.391	.19	1.21	135.	35.6	1.126
%RSD	8.147	.71404	.14244	1.0411	.10288	1.0657	1.6089

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	26381.	2768.1	1.9388	463.78	121.62	56.344	-2.158
Stddev	61.	13.2	.1117	4.72	.42	1.520	3.245
%RSD	.23103	.47656	5.7603	1.0182	.34576	2.6972	150.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24920-c-1-i Acquired: 5/31/2013 13:44:18 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.9203	11.580	8301.1	-.71045	355.67	447.49	4311.7
Stddev	.8711	.065	36.7	1.2596	2.49	.46	50.6
%RSD	29.829	.56142	.44183	177.29	.69874	.10351	1.1731

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	73.658
Stddev	4.796
%RSD	6.5109

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6402.9	5692.6	66714.	10646.
Stddev	3.9	10.9	385.	39.
%RSD	.06016	.19104	.57715	.37003

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.212%	104.18%	102.19%	98.990%
Range				

Sample Name: 240-24768-h-2-a Acquired: 5/31/2013 13:48:31 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.36233	50.721	27.431	27.530	3.9084	-.05574	3136.0	2.852
Stddev	.14423	68.766	.902	.088	.4859	.03691	26.0	.122
%RSD	39.807	135.58	3.2888	.31979	12.432	66.216	.82933	4.264

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.28187	3.7615	364.56	8903.0	170.19	5.3335	595.96	33.237
Stddev	.11335	.3477	1.78	74.3	38.28	.3614	15.12	.223
%RSD	40.212	9.2444	.48929	.83492	22.493	6.7762	2.5365	.67096

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11.028	3263.8	7.8300	16.374	-1.559	.79967	64.338	6.4196
Stddev	.189	3.8	.3537	.533	.715	1.0094	.393	.0979
%RSD	1.7178	.11794	4.5170	3.2535	45.86	126.23	.61148	1.5252

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24768-h-2-a Acquired: 5/31/2013 13:48:31 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.46285	.66187	1311.9	148.32	79.631
Stddev	.50763	1.3649	9.3	3.66	5.451
%RSD	109.67	206.22	.71114	2.4703	6.8450

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6804.9	5544.9	67533.	10304.
Stddev	66.4	36.5	310.	43.
%RSD	.97532	.65802	.45899	.41314

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	102.25%	101.48%	103.45%	95.808%
Range				

Sample Name: CCV Acquired: 5/31/2013 13:52:24 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1014.1	25651.	499.72	4957.1	2013.1	2000.6	48543.	498.4
Stddev	.9	35.	1.02	18.4	3.5	3.6	84.	1.6
%RSD	.09097	.13728	.20452	.37076	.17306	.17836	.17246	.3187

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1913.0	1957.8	1986.6	24194.	51873.	5106.3	49089.	1881.7
Stddev	1.4	4.7	3.4	36.	147.	10.7	109.	4.3
%RSD	.07233	.24186	.17143	.14841	.28332	.20892	.22216	.22797

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1956.5	51178.	1903.6	484.93	494.6	495.33	4916.4	4887.4
Stddev	2.4	104.	2.5	.81	4.3	2.18	2.0	42.5
%RSD	.12240	.20224	.13178	.16775	.8605	.44025	.04057	.87031

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: CCV Acquired: 5/31/2013 13:52:24 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	981.59	2068.7	1937.5	5315.3	5069.7
Stddev	1.63	7.8	7.4	152.2	13.7
%RSD	.16648	.37806	.38060	2.8628	.27034

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6183.1	5274.8	62205.	9752.0
Stddev	36.9	23.0	128.	43.7
%RSD	.59710	.43550	.20625	.44803

Sample Name: CCB Acquired: 5/31/2013 13:56:11 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.12478	46.340	.23201	15.472	2.8927	F 2.6664	60.047
Stddev	.22817	85.213	.48172	14.033	4.2243	4.2275	105.51
%RSD	182.86	183.89	207.63	90.696	146.03	158.55	175.70

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						1.0000	
Low Limit						-1.0000	

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 1.012	3.1998	.17045	-.65373	59.454	68.375	9.0937
Stddev	1.421	5.4220	.12554	.67155	91.140	99.655	10.212
%RSD	140.4	169.45	73.651	102.73	153.30	145.75	112.30

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.000						
Low Limit	-1.000						

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	73.979	.19770	4.9642	108.52	3.3053	1.9364	-.9856
Stddev	112.05	.05478	5.4415	106.34	5.2388	2.4261	2.290
%RSD	151.45	27.708	109.61	97.991	158.50	125.29	232.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: CCB Acquired: 5/31/2013 13:56:11 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-44841	9.4453	2.1889	2.4343	2.9372	3.6763	27.746
Stddev	1.7739	12.974	.1226	2.9699	4.4382	7.6016	13.409
%RSD	395.60	137.36	5.5990	122.00	151.11	206.77	48.325

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	7.6077
Stddev	9.3104
%RSD	122.38

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6691.3	5474.6	65214.	9887.7
Stddev	20.1	7.1	244.	108.4
%RSD	.30035	.13047	.37463	1.0960

Sample Name: 240-24900-c-2-a@5 Acquired: 5/31/2013 14:00:06 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.42207	11834.	18.104	41.302	1289.2	1.2045	127560.
Stddev	.16373	43.	.249	.659	4.3	.0373	359.
%RSD	38.791	.36158	1.3761	1.5962	.33405	3.0994	.28169

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.814	12.163	74.483	177.40	33604.	1496.8	11.812
Stddev	.184	.304	.282	.90	29.	32.7	.767
%RSD	3.170	2.5035	.37909	.50782	.08681	2.1876	6.4895

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23605.	1407.2	5.4787	755.31	39.995	2586.4	-.8967
Stddev	37.	3.4	.5655	9.72	.703	9.0	.6556
%RSD	.15779	.23864	10.322	1.2870	1.7577	.34962	73.11

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24900-c-2-a@5 Acquired: 5/31/2013 14:00:06 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.33550	33.779	338.61	1.5517	43.322	2147.4	1696.0
Stddev	1.0692	.956	.10	.6132	.502	10.4	29.1
%RSD	318.70	2.8304	.02973	39.520	1.1599	.48513	1.7176

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	350.94
Stddev	3.76
%RSD	1.0726

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6356.0	5386.1	63305.	9843.6
Stddev	37.4	31.7	187.	25.2
%RSD	.58897	.58914	.29465	.25612

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.508%	98.570%	96.968%	91.524%
Range				

Sample Name: 240-24900-c-3-a@5 Acquired: 5/31/2013 14:04:04 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.71180	17084.	17.331	36.302	913.11	2.8555	135160.
Stddev	.51836	36.	1.863	.230	1.55	.4019	738.
%RSD	72.823	.21344	10.751	.63307	.17028	14.074	.54586

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.345	10.697	76.674	181.65	48277.	2135.5	17.570
Stddev	.099	.206	.429	.43	177.	19.5	1.677
%RSD	2.285	1.9298	.55909	.23697	.36646	.91293	9.5436

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	39536.	1668.5	8.8854	1040.4	63.418	996.07	.2598
Stddev	185.	2.8	.1043	7.5	.197	3.26	1.279
%RSD	.46692	.16562	1.1734	.72397	.31029	.32743	492.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24900-c-3-a@5 Acquired: 5/31/2013 14:04:04 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.08069	30.252	423.49	1.6361	47.488	1794.6	2796.6
Stddev	1.8673	.405	.80	1.0604	.149	4.5	34.7
%RSD	2314.1	1.3396	.18828	64.811	.31298	.25200	1.2422

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	290.08
Stddev	2.02
%RSD	.69619

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6247.9	5383.2	64088.	10148.
Stddev	16.0	13.3	384.	16.
%RSD	.25567	.24742	.59877	.16039

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	93.882%	98.518%	98.168%	94.358%
Range				

Sample Name: 240-24900-c-4-a@5 Acquired: 5/31/2013 14:08:01 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.53653	13036.	14.620	46.465	886.63	1.3148	146390.
Stddev	.48390	40.	.323	.184	.36	.0301	1288.
%RSD	90.191	.31021	2.2091	.39625	.04100	2.2879	.87996

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.533	10.563	137.58	219.36	57958.	1651.0	11.734
Stddev	.080	.205	1.93	2.19	158.	39.2	.555
%RSD	1.447	1.9420	1.4017	.99821	.27288	2.3743	4.7260

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	42847.	2260.6	14.075	1167.9	70.390	1508.3	1.182
Stddev	181.	29.1	.232	5.1	.101	2.9	1.780
%RSD	.42352	1.2870	1.6452	.43292	.14291	.18913	150.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24900-c-4-a@5 Acquired: 5/31/2013 14:08:01 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.3474	34.637	412.83	3.0124	61.699	1799.7	2205.6
Stddev	.7385	.776	4.98	.8434	.174	6.1	38.5
%RSD	54.810	2.2399	1.2058	27.998	.28251	.34111	1.7469

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	455.21
Stddev	.75
%RSD	.16479

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6336.0	5401.3	62094.	9449.7
Stddev	19.3	17.8	1133.	63.0
%RSD	.30439	.32897	1.8252	.66639

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.207%	98.849%	95.113%	87.862%
Range				

Sample Name: 240-24924-a-3-a Acquired: 5/31/2013 14:12:07 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.87162	46366.	41.487	443.25	230.31	3.3098	40654.
Stddev	.29028	117.	.420	1.77	.68	.0183	87.
%RSD	33.303	.25340	1.0127	.39983	.29615	.55289	.21284

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.695	78.435	233.53	723.71	250140.	11160.	95.856
Stddev	.106	.453	.38	1.77	1122.	77.	.437
%RSD	2.262	.57804	.16171	.24460	.44847	.69273	.45625

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16012.	4723.5	96.549	1040.7	405.04	2767.5	-3.185
Stddev	78.	18.3	.352	3.2	3.22	24.5	.835
%RSD	.48555	.38645	.36421	.30511	.79412	.88451	26.23

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24924-a-3-a Acquired: 5/31/2013 14:12:07 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.7986	31.547	415.18	3.7081	96.059	1899.0	4710.9
Stddev	1.4792	.299	.77	.2365	2.092	16.1	61.0
%RSD	38.940	.94933	.18462	6.3783	2.1774	.84774	1.2956

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	148.18
Stddev	1.61
%RSD	1.0852

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6402.8	5683.8	68633.	10736.
Stddev	44.0	37.3	147.	14.
%RSD	.68798	.65683	.21428	.12777

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.211%	104.02%	105.13%	99.823%
Range				

Sample Name: 240-24831-b-2-a Acquired: 5/31/2013 14:16:09 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.32979	31615.	34.719	44.511	383.58	3.6705	14639.	.4329
Stddev	.32548	164.	.435	.024	1.38	.0326	12.	.0641
%RSD	98.690	.51807	1.2536	.05429	.35881	.88876	.08408	14.80

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	27.442	49.839	1105.3	60084.	2353.6	44.554	9774.4	1011.8
Stddev	.297	.227	2.0	107.	28.1	1.348	27.1	3.9
%RSD	1.0821	.45565	.18353	.17857	1.1927	3.0245	.27705	.38668

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.7888	764.37	73.800	4105.8	-3.028	1.4832	15.173	1615.7
Stddev	.2419	4.43	.366	9.4	1.046	1.3858	.598	4.0
%RSD	6.3837	.57988	.49527	.22940	34.54	93.434	3.9398	.25060

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24831-b-2-a Acquired: 5/31/2013 14:16:09 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.00994	135.26	157.27	1623.8	317.71
Stddev	.86636	1.73	.67	3.5	2.89
%RSD	8716.9	1.2774	.42325	.21705	.90940

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6589.8	5841.2	70243.	10795.
Stddev	14.2	8.0	70.	67.
%RSD	.21571	.13710	.09998	.61769

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.020%	106.90%	107.60%	100.37%
Range				

Sample Name: Zmb 240-87271/1-a Acquired: 5/31/2013 14:19:59 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.12772	-.78924	.92726	-1.2037	.79809	-.06092	186.87
Stddev	.42422	7.5959	.93471	.1313	.07207	.02857	7.10
%RSD	332.15	962.43	100.80	10.906	9.0310	46.908	3.7993

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0141	.10478	.36766	.05946	50.980	-40.236	-.72176
Stddev	.0559	.05654	.17920	.86350	11.944	28.286	.44081
%RSD	396.3	53.960	48.741	1452.2	23.429	70.300	61.074

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	57.733	1.0872	-.09455	34.702	-.07295	F 6.8540	-3.040
Stddev	6.647	.4479	.11003	8.215	.69827	4.9808	1.405
%RSD	11.513	41.197	116.38	23.674	957.24	72.671	46.23

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						3.0000	
Low Limit						-1000.0	

Sample Name: Zmb 240-87271/1-a Acquired: 5/31/2013 14:19:59 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.9094	.02526	.64760	1.0056	.15040	F 50.596	17.943
Stddev	.0588	.56037	.24218	.3401	1.9108	.951	1.572
%RSD	3.0812	2218.8	37.397	33.824	1270.4	1.8802	8.7597

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						20.000	
Low Limit						-1000.0	

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	2.1893
Stddev	.4889
%RSD	22.330

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6803.1	5560.4	66150.	10239.
Stddev	12.5	14.4	112.	42.
%RSD	.18424	.25933	.16915	.41382

Sample Name: lcs 240-87271/2-a Acquired: 5/31/2013 14:23:51 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49.589	1980.2	1909.7	968.69	1956.0	47.871	46136.	48.21
Stddev	.325	21.6	6.7	3.89	.5	.081	100.	.11
%RSD	.65630	1.0884	.35207	.40109	.02737	.16945	.21758	.2211

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	457.79	189.02	244.14	944.99	50006.	961.74	46387.	454.97
Stddev	1.88	.49	1.35	3.25	61.	1.61	99.	.42
%RSD	.41144	.25810	.55109	.34427	.12162	.16785	.21387	.09160

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	937.84	49452.	457.90	463.89	479.8	1944.5	1833.1	934.57
Stddev	3.00	58.	1.41	1.46	2.2	8.3	3.5	.74
%RSD	.31983	.11805	.30894	.31418	.4503	.42592	.19256	.07928

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: lcs 240-87271/2-a Acquired: 5/31/2013 14:23:51 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	TI1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1865.4	507.13	498.46	968.45	955.79
Stddev	6.6	2.33	1.56	13.19	.20
%RSD	.35328	.45888	.31203	1.3616	.02132

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6389.2	5367.6	64388.	10271.
Stddev	27.2	18.1	90.	55.
%RSD	.42618	.33686	.13962	.53393

Sample Name: mb 240-87271/1-a Acquired: 5/31/2013 14:27:56 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.14888	-5.3779	.72642	-.00246	.71848	-.05559	182.02
Stddev	.28074	11.094	.59581	.75622	.15598	.02998	2.86
%RSD	188.57	206.29	82.021	30706.	21.709	53.936	1.5695

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0024	.06239	.27837	.34691	16.864	-56.370	-1.0092
Stddev	.0386	.26212	.06371	.49338	.518	17.622	.7475
%RSD	1589.	420.13	22.886	142.22	3.0696	31.262	74.068

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	52.598	.42263	1.0755	63.440	-.35306	2.5946	.5902
Stddev	2.485	.00938	.3438	6.289	.19914	2.0769	.8442
%RSD	4.7249	2.2184	31.965	9.9133	56.405	80.047	143.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: mb 240-87271/1-a Acquired: 5/31/2013 14:27:56 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.34339	1.0450	-.26129	1.5687	1.7648	F 51.327	15.378
Stddev	2.1532	.9783	.08568	.8506	1.2218	.371	5.149
%RSD	627.04	93.610	32.792	54.224	69.229	.72318	33.483

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						20.000	
Low Limit						-1000.0	

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	-2.2902
Stddev	3.0120
%RSD	131.52

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6646.4	5423.0	66013.	10522.
Stddev	53.9	44.7	247.	161.
%RSD	.81039	.82440	.37391	1.5310

Sample Name: 240-24834-d-4-c Acquired: 5/31/2013 14:31:50 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.43305	199.15	1.3028	332.05	27.102	-.20243	228720.
Stddev	.29240	13.27	1.5960	1.23	.385	.01842	3083.
%RSD	67.520	6.6637	122.51	.37114	1.4196	9.0996	1.3481

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3683	1.2901	1.5825	1.4690	3114.7	4767.9	27.570
Stddev	.0062	.2194	.3133	.4043	2.5	28.5	.295
%RSD	1.681	17.009	19.798	27.520	.07966	.59831	1.0701

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	70588.	2821.3	.61682	9087.1	2.0320	.08654	-1.774
Stddev	20.	11.4	.17562	9.7	.4098	.20892	2.371
%RSD	.02816	.40399	28.472	.10718	20.170	241.40	133.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24834-d-4-c Acquired: 5/31/2013 14:31:50 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.5375	.30231	1.3032	4.0875	-.12771	9.7591	7354.2
Stddev	2.0282	.47793	.1613	.9984	1.8680	.2202	19.6
%RSD	131.91	158.09	12.373	24.424	1462.7	2.2562	.26618

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1108.0
Stddev	4.1
%RSD	.36973

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6391.5	5265.5	62599.	10094.
Stddev	7.0	3.1	180.	77.
%RSD	.10927	.05850	.28821	.76547

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.041%	96.363%	95.886%	93.857%
Range				

Sample Name: SD 240-24834-d-4-c@5 Acquired: 5/31/2013 14:35:58 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.07174	37.542	-.40685	61.690	5.4493	-.11480	47577.	.1080
Stddev	.31449	15.078	.83095	.376	.0746	.01440	26.	.0972
%RSD	438.37	40.161	204.24	.61014	1.3691	12.544	.05393	90.01

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.25769	.66490	-.49479	641.48	902.77	5.2929	14692.	581.45
Stddev	.07367	.27884	.04928	1.37	26.25	.7630	19.	.76
%RSD	28.589	41.937	9.9606	.21356	2.9081	14.416	.12958	.13124

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.17262	1821.3	.40136	.92738	-3.053	-1.0086	.04213	.22520
Stddev	.11290	6.1	.33310	.66967	1.262	1.8940	.50995	.07366
%RSD	65.403	.33524	82.994	72.211	41.35	187.77	1210.3	32.707

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: SD 240-24834-d-4-c@5 Acquired: 5/31/2013 14:35:58 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.3204	.36150	4.1763	1491.5	230.16
Stddev	.4156	2.4772	.0290	8.7	.93
%RSD	31.472	685.26	.69339	.58055	.40439

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6664.5	5412.4	64741.	10019.
Stddev	13.7	15.4	126.	61.
%RSD	.20486	.28409	.19520	.60946

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.14%	99.051%	99.167%	93.154%
Range				

Sample Name: CCV Acquired: 5/31/2013 14:39:53 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1015.0	25904.	499.39	4974.3	2020.6	2011.6	48109.	499.3
Stddev	2.2	130.	4.31	36.9	5.6	5.8	74.	3.2
%RSD	.21410	.50155	.86389	.74150	.27595	.28865	.15310	.6425

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1899.9	1948.8	1995.8	24096.	52198.	5128.4	48554.	1859.7
Stddev	10.7	.3	3.6	22.	217.	12.4	184.	4.7
%RSD	.56257	.01414	.18135	.09276	.41536	.24176	.37958	.25202

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1962.0	51482.	1884.8	481.08	499.4	495.75	4854.5	4841.3
Stddev	15.5	181.	9.0	1.82	5.3	2.46	15.9	12.6
%RSD	.79100	.35111	.47752	.37808	1.061	.49585	.32739	.26123

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: CCV Acquired: 5/31/2013 14:39:53 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	975.85	2087.9	1897.3	5206.2	5089.2
Stddev	3.63	9.3	6.8	151.4	26.3
%RSD	.37194	.44683	.35786	2.9085	.51764

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6249.6	5309.5	62694.	9830.0
Stddev	19.5	9.4	97.	47.6
%RSD	.31245	.17764	.15459	.48393

Sample Name: CCB Acquired: 5/31/2013 14:43:39 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.04989	24.032	.35093	8.1158	2.9965	F 2.6421	132.47
Stddev	.54263	64.717	.58394	.8782	4.0499	4.2101	215.75
%RSD	1087.6	269.29	166.40	10.821	135.15	159.35	162.87

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						1.0000	
Low Limit						-1.0000	

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0691	.16837	.35707	-.94509	34.157	65.070	8.8003
Stddev	.1121	.17309	.15557	.15713	52.220	119.28	10.834
%RSD	162.4	102.80	43.568	16.625	152.88	183.30	123.12

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	85.652	.29657	1.9371	107.38	.08749	1.3054	-.7596
Stddev	142.59	.04997	.3508	117.77	.35846	.7225	.8865
%RSD	166.48	16.850	18.108	109.68	409.70	55.346	116.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: CCB Acquired: 5/31/2013 14:43:39 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-47585	1.6443	2.1788	.48021	3.4970	-.78175	24.128
Stddev	.78638	.1848	.2623	1.0444	4.8799	.05233	17.664
%RSD	165.26	11.237	12.041	217.49	139.55	6.6940	73.209

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	6.9725
Stddev	9.6801
%RSD	138.83

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6615.9	5384.4	64137.	9862.9
Stddev	33.4	24.3	189.	71.8
%RSD	.50467	.45142	.29508	.72812

Sample Name: 240-24834-d-4-d.ms Acquired: 5/31/2013 14:48:42 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	53.410	2366.7	2052.3	1365.2	2081.4	50.684	267800.
Stddev	.344	6.0	3.8	1.1	15.7	1.693	4763.
%RSD	.64421	.25392	.18402	.08266	.75200	3.3409	1.7785

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	51.40	480.07	196.67	259.53	3978.6	58086.	1062.3
Stddev	.10	.08	.50	.68	13.4	581.	4.5
%RSD	.1884	.01738	.25282	.26250	.33779	.99946	.42117

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	116350.	3156.3	990.75	61037.	479.47	476.88	512.7
Stddev	1369.	6.0	3.13	541.	.08	.41	2.2
%RSD	1.1768	.19108	.31615	.88581	.01757	.08628	.4371

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24834-d-4-d ms Acquired: 5/31/2013 14:48:42 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2060.9	1940.4	975.70	1936.6	531.23	483.50	8175.3
Stddev	7.6	2.5	.31	2.2	4.63	.48	67.8
%RSD	.36642	.12775	.03172	.11360	.87157	.09910	.82955

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	2045.3
Stddev	13.9
%RSD	.67799

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6022.4	5127.8	61650.	9893.3
Stddev	20.4	12.2	52.	130.5
%RSD	.33867	.23800	.08458	1.3187

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.494%	93.842%	94.433%	91.986%
Range				

Sample Name: 240-24834-d-4-e msd Acquired: 5/31/2013 14:52:37 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	53.656	2360.1	2064.0	1376.1	2097.1	49.587	271110.
Stddev	.185	25.5	.7	1.6	7.5	.280	2221.
%RSD	.34411	1.0804	.03473	.11902	.35951	.56482	.81910

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	51.60	480.53	196.87	259.40	4003.7	58278.	1064.3
Stddev	.06	.34	.12	1.36	12.7	309.	4.9
%RSD	.1185	.07159	.06070	.52370	.31622	.52979	.46216

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	117010.	3202.4	997.45	61341.	480.06	478.96	516.1
Stddev	441.	21.1	.50	276.	.34	.88	1.1
%RSD	.37646	.65790	.04975	.44987	.07130	.18363	.2189

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24834-d-4-e msd Acquired: 5/31/2013 14:52:37 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2072.3	1948.3	979.27	1950.3	527.10	483.83	8361.9
Stddev	3.3	.8	.50	1.3	4.56	1.24	20.4
%RSD	.15683	.04255	.05076	.06548	.86551	.25629	.24414

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	2061.5
Stddev	11.1
%RSD	.53617

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6001.8	5106.2	61371.	9922.1
Stddev	10.7	10.9	133.	71.4
%RSD	.17829	.21298	.21681	.71935

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.184%	93.447%	94.006%	92.254%
Range				

Sample Name: 240-24781-h-11-a Acquired: 5/31/2013 14:56:33 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.01898	32.282	1.6967	35.960	29.534	-.09063	26737.	.5833
Stddev	.21163	14.478	.5062	.225	.109	.01378	61.	.1603
%RSD	1115.2	44.849	29.837	.62498	.36989	15.210	.22934	27.48

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.07997	.49884	3.0838	89.477	214.90	2.8352	5824.9	4.9587
Stddev	.08210	.11411	.0650	1.063	34.63	2.0142	31.6	.0501
%RSD	102.67	22.875	2.1094	1.1886	16.115	71.042	.54284	1.0101

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.0975	3006.6	.24270	.52653	.6909	.28605	1.4156	.62332
Stddev	.4564	12.3	.13131	.82600	1.342	2.3231	.6351	.05298
%RSD	21.758	.40958	54.104	156.88	194.2	812.11	44.861	8.4998

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24781-h-11-a Acquired: 5/31/2013 14:56:33 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.2545	1.0317	12.393	8513.3	62.054
Stddev	.0635	1.3127	.113	7.8	4.938
%RSD	2.8173	127.23	.90927	.09218	7.9579

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6741.2	5467.7	65077.	10047.
Stddev	9.1	4.3	207.	27.
%RSD	.13522	.07887	.31770	.27266

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	101.30%	100.06%	99.683%	93.414%
Range				

Sample Name: 240-24834-d-5-a Acquired: 5/31/2013 15:00:24 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.49961	248.32	7.1003	546.04	19.438	-.29806	413470.
Stddev	.28143	13.75	2.9459	1.70	.131	.02098	3197.
%RSD	56.330	5.5358	41.489	.31211	.67643	7.0402	.77310

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.6099	22.675	4.2550	-.24591	7963.1	10349.	95.204
Stddev	.0952	.524	.1001	.56616	22.4	37.	1.381
%RSD	15.61	2.3096	2.3515	230.23	.28110	.35707	1.4507

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	127950.	6251.9	1.8639	18235.	75.131	.77475	-3.513
Stddev	251.	44.4	1.6023	59.	.569	.59168	2.627
%RSD	.19632	.71002	85.966	.32542	.75667	76.370	74.77

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24834-d-5-a Acquired: 5/31/2013 15:00:24 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.2005	4.2344	1.9823	9.0128	-.38692	F 11425.	12904.
Stddev	3.6477	2.8275	.2272	3.4294	.95578	92.	36.
%RSD	165.77	66.773	11.463	38.050	247.03	.80442	.27600

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						10000.	
Low Limit						-500000.	

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1834.2
Stddev	1.1
%RSD	.05819

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6115.1	5129.4	60951.	9946.3
Stddev	37.8	30.0	161.	20.9
%RSD	.61804	.58541	.26393	.20977

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.887%	93.872%	93.363%	92.479%
Range				

Sample Name: 240-24834-d-5-a@2 Acquired: 5/31/2013 15:04:30 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.03670	126.31	2.0197	270.36	9.8532	-.17067	211650.
Stddev	.45656	12.76	1.0579	8.88	.1558	.02872	3854.
%RSD	1244.0	10.103	52.381	3.2834	1.5807	16.827	1.8209

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3289	10.972	2.4100	-1.8162	4049.9	5050.6	45.294
Stddev	.1036	.594	.0897	.4395	10.9	6.3	.036
%RSD	31.51	5.4152	3.7225	24.200	.27026	.12507	.07942

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	64100.	3194.9	.05754	8978.9	38.046	1.1591	-2.650
Stddev	227.	10.9	.20893	22.6	.852	.9901	.808
%RSD	.35476	.33976	363.08	.25143	2.2382	85.422	30.51

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24834-d-5-a@2 Acquired: 5/31/2013 15:04:30 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.42326	.82761	1.0367	3.5656	-.45959	5954.3	6431.3
Stddev	1.3942	.31775	.2615	1.1035	2.4696	165.3	11.8
%RSD	329.40	38.393	25.222	30.949	537.36	2.7763	.18398

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	924.07
Stddev	4.41
%RSD	.47686

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6255.8	5155.9	62680.	10075.
Stddev	136.9	112.1	27.	79.
%RSD	2.1877	2.1734	.04324	.78906

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.002%	94.357%	96.011%	93.677%
Range				

Sample Name: 240-24834-d-6-a Acquired: 5/31/2013 15:08:36 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.0019	3892.9	11.183	214.89	68.822	-.18251	457010.
Stddev	.2023	23.1	1.202	.26	.268	.03603	966.
%RSD	20.187	.59376	10.745	.12269	.38994	19.742	.21142

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.8008	55.198	1385.1	50.116	31843.	6604.7	22.088
Stddev	.1474	.028	10.9	1.175	43.	47.1	.469
%RSD	18.41	.05070	.78748	2.3448	.13558	.71344	2.1241

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	301400.	F 19937.	38.538	73693.	721.32	12.073	-4.755
Stddev	773.	77.	.028	133.	1.14	.850	2.424
%RSD	.25651	.38610	.07274	.18007	.15784	7.0420	50.98

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		15000.					
Low Limit		-500000.					

Sample Name: 240-24834-d-6-a Acquired: 5/31/2013 15:08:36 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.7645	2.2721	44.150	13.033	18.318	76.849	13815.
Stddev	1.5643	.5045	.448	.781	2.264	.171	31.
%RSD	32.831	22.204	1.0148	5.9918	12.361	.22189	.22417

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1690.8
Stddev	8.5
%RSD	.50545

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5823.6	4988.9	60127.	9918.8
Stddev	20.2	16.0	179.	54.8
%RSD	.34689	.32129	.29785	.55198

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	87.507%	91.302%	92.100%	92.224%
Range				

Sample Name: 240-24834-d-6-a@5 Acquired: 5/31/2013 15:12:41 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.12937	928.00	2.2024	38.061	14.500	-.05505	97728.	.3547
Stddev	.34210	12.46	.2364	.355	.093	.06439	994.	.0915
%RSD	264.44	1.3429	10.735	.93227	.64029	116.97	1.0169	25.80

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.837	292.07	9.2294	6620.7	1307.0	3.8331	61928.	4532.9
Stddev	.321	.83	.5433	22.3	13.1	.8164	192.	45.0
%RSD	2.9612	.28379	5.8863	.33720	1.0037	21.299	.30969	.99281

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.9465	14709.	146.80	2.5174	-.8053	-.06260	.58033	14.325
Stddev	.1211	27.	.06	.4674	1.705	2.0072	.41512	.433
%RSD	1.5242	.18166	.04044	18.567	211.8	3206.5	71.531	3.0233

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24834-d-6-a@5 Acquired: 5/31/2013 15:12:41 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	3.6845	3.1331	17.537	3046.7	356.03
Stddev	.0558	.7158	.061	12.2	1.83
%RSD	1.5143	22.848	.34949	.39947	.51377

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6407.6	5292.5	62582.	9789.8
Stddev	20.6	10.3	326.	45.3
%RSD	.32189	.19516	.52064	.46289

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.282%	96.856%	95.860%	91.025%
Range				

Sample Name: 240-24834-d-7-a Acquired: 5/31/2013 15:16:47 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.08994	138.45	k -.15601	352.31	17.193	-.24944	260800.
Stddev	.10791	13.76	.38202	.50	.062	.03411	2627.
%RSD	119.98	9.9366	244.87	.14226	.36136	13.674	1.0071

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	k .6082	2.7591	5.2861	-.38180	478.50	11192.	75.802
Stddev	.1050	.2123	2.2833	.50807	2.65	9.	.946
%RSD	17.27	7.6959	43.194	133.07	.55382	.08122	1.2486

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	76208.	^ *****	.02551	13680.	19.277	.23889	-3.267
Stddev	70.	-----	.17949	35.	.417	1.0859	.406
%RSD	.09136	-----	703.46	.25597	2.1658	454.54	12.43

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24834-d-7-a Acquired: 5/31/2013 15:16:47 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	k .45452	.32555	1.0466	k 1.7386	.87227	822.02	8720.7
Stddev	2.7250	.22164	.3474	.2739	1.3640	.44	19.3
%RSD	599.53	68.079	33.192	15.754	156.38	.05359	.22131

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1135.6
Stddev	1.7
%RSD	.14807

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6243.0	5177.1	62279.	10033.
Stddev	10.8	11.0	65.	26.
%RSD	.17250	.21216	.10487	.26129

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	93.810%	94.745%	95.397%	93.282%
Range				

Sample Name: 240-24740-D-3-A@2 Acquired: 5/31/2013 15:20:44 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.75407	507.53	5.4872	387.56	9.3876	-.05065	254080.
Stddev	.18615	1.98	1.3036	.28	.1353	.03047	3609.
%RSD	24.686	.39096	23.757	.07347	1.4417	60.161	1.4203

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4210	19.419	3.8763	16.989	44153.	5324.5	51.983
Stddev	.1163	.086	.3887	.195	55.	35.8	.765
%RSD	27.62	.44325	10.026	1.1476	.12394	.67279	1.4725

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	118470.	8455.0	-.55925	13718.	19.153	-.00788	-3.925
Stddev	411.	19.0	.16213	23.	.197	1.3209	1.230
%RSD	.34718	.22504	28.990	.16960	1.0281	16752.	31.33

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24740-D-3-A@2 Acquired: 5/31/2013 15:20:44 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.61696	.51286	3.7976	5.4759	.63327	2038.8	6426.6
Stddev	2.1287	.42826	.1482	.7302	1.9046	3.3	15.1
%RSD	345.03	83.504	3.9016	13.334	300.76	.15987	.23421

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1246.4
Stddev	4.2
%RSD	.33990

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6159.1	5147.4	61612.	9832.0
Stddev	16.7	17.2	179.	103.9
%RSD	.27157	.33434	.28993	1.0571

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.548%	94.201%	94.375%	91.416%
Range				

Sample Name: mb 240-87266/1-a Acquired: 5/31/2013 15:24:50 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.23706	-14.251	-.76727	-1.2750	.63146	-.06947	238.60
Stddev	.25777	10.280	1.0155	.8697	.08948	.02850	3.80
%RSD	108.74	72.138	132.35	68.213	14.171	41.027	1.5936

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0403	-.25622	-.07708	.17198	19.050	-38.653	-.06121
Stddev	.1011	.20405	.31394	.36443	1.660	18.631	.34401
%RSD	250.6	79.639	407.30	211.91	8.7144	48.201	562.02

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	79.811	1.7974	-.14511	84.585	-.82659	.57924	-2.691
Stddev	7.628	.0169	.17281	7.239	.32171	.97362	1.492
%RSD	9.5577	.93770	119.09	8.5582	38.920	168.08	55.44

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: mb 240-87266/1-a Acquired: 5/31/2013 15:24:50 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.5752	.07124	-.52158	1.4506	.48480	F 31.980	13.818
Stddev	.4718	.32416	.07304	.7996	1.1248	2.959	2.752
%RSD	29.948	455.05	14.003	55.126	232.02	9.2514	19.920

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						20.000	
Low Limit						-1000.0	

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	3.3543
Stddev	1.0046
%RSD	29.951

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6807.6	5551.7	65869.	10062.
Stddev	17.8	15.5	333.	49.
%RSD	.26147	.27977	.50535	.48937

Sample Name: CCV Acquired: 5/31/2013 15:28:46 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1024.5	26181.	506.02	5032.6	2039.4	2025.5	48549.	506.4
Stddev	6.7	134.	4.19	20.2	6.9	9.0	336.	1.9
%RSD	.65315	.51188	.82750	.40173	.34015	.44595	.69280	.3822

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1929.9	1975.0	2022.1	24379.	52626.	5163.1	48829.	1885.9
Stddev	6.4	13.4	9.0	123.	214.	15.1	371.	11.3
%RSD	.33039	.67685	.44636	.50647	.40570	.29263	.75944	.59781

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1995.2	51773.	1917.1	491.22	504.4	501.15	4919.8	4919.8
Stddev	8.3	173.	7.8	.48	.6	3.82	10.1	30.9
%RSD	.41782	.33446	.40552	.09788	.1146	.76196	.20477	.62733

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: CCV Acquired: 5/31/2013 15:28:46 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	TI1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	994.36	2113.0	1940.3	5274.7	5107.5
Stddev	5.75	7.0	6.4	167.5	22.2
%RSD	.57819	.33133	.32842	3.1748	.43374

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6052.6	5132.0	61227.	9674.4
Stddev	13.5	15.3	514.	174.3
%RSD	.22242	.29765	.83909	1.8014

Sample Name: CCB Acquired: 5/31/2013 15:32:34 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.17271	-4.9816	.74542	9.3267	.83143	.46002	12.250	.1764
Stddev	.24198	8.7584	.84443	2.9155	.52075	.34100	9.283	.2751
%RSD	140.11	175.81	113.28	31.260	62.633	74.127	75.775	155.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.71277	.24520	-.91285	8.9997	-11.489	1.7287	17.146	.35328
Stddev	1.0954	.09816	.46293	5.7218	2.609	1.0750	10.119	.04334
%RSD	153.69	40.031	50.712	63.577	22.704	62.183	59.015	12.268

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.3895	65.574	.76284	.53019	-1.974	-.94708	3.1652	2.2040
Stddev	1.1641	3.618	.92304	.55962	.682	1.3936	2.6559	.3596
%RSD	48.715	5.5171	121.00	105.55	34.57	147.15	83.910	16.316

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB Acquired: 5/31/2013 15:32:34 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.5970	-.87019	-.07146	15.311	.94268
Stddev	1.0334	1.2124	1.1372	4.157	.85967
%RSD	64.711	139.32	1591.4	27.154	91.194

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6700.2	5435.1	65081.	9972.5
Stddev	13.5	10.3	269.	70.3
%RSD	.20081	.18952	.41408	.70541

Sample Name: lcs 240-87266/2-a Acquired: 5/31/2013 15:36:30 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49.281	1930.8	1881.9	953.36	1918.0	47.171	45166.	47.16
Stddev	.531	12.6	7.7	1.74	2.5	.057	26.	.11
%RSD	1.0783	.65189	.40738	.18240	.13063	.12108	.05860	.2287

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	450.25	186.30	239.46	915.31	49242.	944.57	45425.	447.74
Stddev	.74	.09	.37	2.88	31.	1.29	94.	1.24
%RSD	.16399	.04804	.15431	.31438	.06234	.13709	.20779	.27653

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	928.18	48634.	484.04	456.61	469.7	1895.6	1796.3	919.53
Stddev	2.07	16.	60.02	.16	3.5	8.2	1.4	1.76
%RSD	.22335	.03362	12.399	.03563	.7422	.43493	.07770	.19182

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: lcs 240-87266/2-a Acquired: 5/31/2013 15:36:30 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	TI1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1842.5	501.05	493.32	940.30	938.75
Stddev	3.8	2.28	13.65	12.87	1.59
%RSD	.20461	.45581	2.7673	1.3684	.16946

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6309.9	5287.3	63442.	10124.
Stddev	36.7	30.8	36.	8.
%RSD	.58139	.58158	.05745	.07925

Sample Name: 240-24764-h-3-a Acquired: 5/31/2013 15:40:08 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.26484	-3.2419	.88159	142.13	42.041	-.13409	101130.
Stddev	.34536	16.974	.62799	.12	.139	.03183	547.
%RSD	130.40	523.58	71.234	.08552	.33136	23.735	.54063

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1873	-.20299	2.1786	8.3816	2.7394	3545.3	-.22469
Stddev	.1066	.02920	.0465	.5988	.6010	26.1	.32714
%RSD	56.91	14.387	2.1336	7.1440	21.938	.73612	145.60

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17317.	.62635	4.6366	3980.3	.38509	.94452	-1.183
Stddev	80.	.02423	.1684	19.9	.23192	.53510	1.447
%RSD	.46278	3.8686	3.6329	.50029	60.226	56.653	122.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24764-h-3-a Acquired: 5/31/2013 15:40:08 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.6677	.91241	.24371	2.2776	.01709	21.129	8083.0
Stddev	1.1167	.14858	.10856	.9905	.92673	.023	33.7
%RSD	30.448	16.285	44.547	43.486	5423.4	.10931	.41729

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	212.30
Stddev	1.43
%RSD	.67306

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6491.3	5320.7	64087.	10026.
Stddev	12.6	4.7	69.	81.
%RSD	.19430	.08866	.10701	.81078

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.540%	97.374%	98.166%	93.216%
Range				

Sample Name: SD 240-24764-h-3-a@5 Acquired: 5/31/2013 15:44:07 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.09339	-20.678	-.33136	28.590	10.893	-.01735	21717.	-.0056
Stddev	.76589	5.139	1.2318	.354	3.390	.12382	185.	.0775
%RSD	820.06	24.852	371.73	1.2398	31.121	713.81	.85175	1395.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.34191	.55649	.80300	2.2360	726.13	.74128	3745.7	.19474
Stddev	.10555	.15222	.03519	1.8430	96.01	2.1299	96.7	.03112
%RSD	30.872	27.353	4.3827	82.424	13.222	287.33	2.5823	15.981

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.99251	909.82	-.28985	1.2539	-1.297	-1.3922	.20079	-.24885
Stddev	.15938	91.51	.29460	1.2195	.544	1.9058	.08803	.04188
%RSD	16.058	10.058	101.64	97.258	41.93	136.89	43.843	16.829

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: SD 240-24764-h-3-a@5 Acquired: 5/31/2013 15:44:07 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.64062	1.7272	6.8518	1695.5	45.464
Stddev	.20408	.8522	.0206	15.1	5.323
%RSD	31.856	49.341	.30124	.89004	11.707

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6693.8	5432.7	65935.	10270.
Stddev	17.5	13.4	91.	162.
%RSD	.26136	.24605	.13786	1.5741

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.58%	99.423%	101.00%	95.487%
Range				

Sample Name: 240-24764-h-3-b.ms Acquired: 5/31/2013 15:48:00 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	53.648	2142.1	2101.0	1214.7	2160.1	51.723	152200.
Stddev	.500	1.1	4.2	2.3	6.4	.209	870.
%RSD	.93120	.05286	.20028	.18918	.29637	.40400	.57141

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	52.62	496.03	204.93	272.17	1002.9	58515.	1050.8
Stddev	.01	.59	.50	.70	4.4	288.	3.4
%RSD	.0214	.11933	.24588	.25735	.44314	.49206	.32475

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	67177.	492.48	1033.9	57872.	493.87	496.59	523.9
Stddev	446.	.79	1.3	273.	1.29	.68	1.4
%RSD	.66427	.15951	.12971	.47123	.26047	.13732	.2687

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24764-h-3-b.ms Acquired: 5/31/2013 15:48:00 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2103.1	1990.9	1013.1	2004.6	552.29	520.15	9327.2
Stddev	2.3	2.5	1.6	5.1	3.08	.61	41.3
%RSD	.11052	.12368	.15960	.25632	.55755	.11752	.44257

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1240.0
Stddev	8.9
%RSD	.72085

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6115.8	5175.3	61619.	9825.1
Stddev	14.4	13.6	100.	120.3
%RSD	.23531	.26308	.16240	1.2240

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.898%	94.712%	94.386%	91.353%
Range				

Sample Name: 240-24764-h-3-c msd Acquired: 5/31/2013 15:51:47 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	53.172	2119.8	2065.3	1195.3	2138.5	51.196	150050.
Stddev	.059	23.8	4.9	2.6	1.6	.129	1297.
%RSD	.11118	1.1243	.23665	.21359	.07660	.25104	.86417

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	51.70	489.79	201.71	268.39	991.50	57767.	1039.0
Stddev	.31	.58	1.01	1.02	2.38	133.	1.4
%RSD	.6038	.11895	.50013	.37998	.24050	.22977	.13221

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	66525.	481.75	1018.1	57192.	487.25	490.55	519.7
Stddev	292.	1.98	1.1	92.	.87	1.66	4.0
%RSD	.43885	.41164	.10321	.16120	.17945	.33923	.7674

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24764-h-3-c msd Acquired: 5/31/2013 15:51:47 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2067.5	1967.6	994.32	1977.2	542.98	509.00	9278.7
Stddev	.9	.8	3.09	5.1	3.01	.05	21.7
%RSD	.04226	.04229	.31056	.25820	.55500	.00973	.23418

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1229.2
Stddev	7.1
%RSD	.57924

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6112.4	5185.5	61768.	9808.0
Stddev	6.4	7.9	286.	65.1
%RSD	.10528	.15183	.46289	.66375

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.847%	94.900%	94.614%	91.193%
Range				

Sample Name: 240-24764-g-3-a Acquired: 5/31/2013 15:55:33 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.34460	2040.6	1.6492	141.22	54.522	-.05060	102850.
Stddev	.20606	19.6	.7934	.99	.220	.04851	423.
%RSD	59.798	.96196	48.112	.69870	.40425	95.868	.41078

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1320	1.0219	7.6616	20.169	3827.8	3926.7	1.2065
Stddev	.1393	.1494	.0968	.805	17.1	34.5	.3602
%RSD	105.5	14.616	1.2628	3.9903	.44795	.87888	29.853

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18408.	48.005	4.8211	4146.4	2.6337	1.6896	.3959
Stddev	38.	.066	.2340	9.0	.1275	.5752	.8680
%RSD	.20912	.13789	4.8531	.21737	4.8409	34.045	219.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24764-g-3-a Acquired: 5/31/2013 15:55:33 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.3292	1.6533	117.68	3.2665	11.130	25.954	11631.
Stddev	1.3447	.1630	.34	.1359	.764	.151	37.
%RSD	57.733	9.8564	.29273	4.1611	6.8654	.58322	.31833

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	211.04
Stddev	1.96
%RSD	.92762

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6467.2	5337.5	64038.	9901.0
Stddev	12.6	9.6	218.	3.3
%RSD	.19533	.18069	.33972	.03323

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.178%	97.681%	98.092%	92.059%
Range				

Sample Name: 240-24764-g-4-a Acquired: 5/31/2013 15:59:30 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-0.05315	32043.	6.7032	398.89	312.09	1.1280	279380.
Stddev	.14138	464.	1.2031	1.37	6.40	.3717	6499.
%RSD	265.98	1.4489	17.949	.34236	2.0522	32.955	2.3264

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.027	18.336	49.966	46.449	33926.	10017.	106.34
Stddev	.121	.395	.369	.172	544.	158.	3.58
%RSD	11.78	2.1528	.73944	.37129	1.6041	1.5799	3.3686

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	116030.	758.87	1.8298	14301.	43.415	14.069	-4.194
Stddev	1704.	1.30	.1466	84.	.369	.604	.902
%RSD	1.4686	.17110	8.0095	.58920	.85008	4.2949	21.51

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24764-g-4-a Acquired: 5/31/2013 15:59:30 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.9350	2.5503	1499.6	2.6379	96.777	109.22	42779.
Stddev	3.8119	.5548	1.1	.7604	1.794	.21	965.
%RSD	54.966	21.756	.07420	28.827	1.8537	.18962	2.2563

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	411.03
Stddev	1.54
%RSD	.37489

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5946.3	5289.3	63096.	10423.
Stddev	2.6	2.7	114.	63.
%RSD	.04447	.05056	.18074	.60685

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	89.351%	96.798%	96.648%	96.913%
Range				

Sample Name: 240-24764-h-4-a Acquired: 5/31/2013 16:03:27 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.38795	-5.0132	.81743	419.06	55.773	-.14613	144510.
Stddev	.34756	20.000	.56732	.66	.016	.04947	2493.
%RSD	89.588	398.95	69.403	.15829	.02842	33.855	1.7253

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4621	.01348	4.8316	8.6440	13.947	3603.2	96.084
Stddev	.1618	.02226	.2329	.8172	.520	20.6	1.487
%RSD	35.00	165.09	4.8213	9.4543	3.7281	.57164	1.5480

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	67522.	1.3733	1.5713	12165.	1.6077	.09999	-2.114
Stddev	159.	.0198	.1083	35.	.1452	.55729	.657
%RSD	.23599	1.4450	6.8907	.28394	9.0327	557.37	31.07

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24764-h-4-a Acquired: 5/31/2013 16:03:27 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.3391	.38440	.52380	1.7492	.96042	18.509	11343.
Stddev	1.2007	.27094	.11757	1.1515	1.0479	.070	47.
%RSD	14.399	70.484	22.445	65.833	109.11	.37713	.41265

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	285.98
Stddev	7.98
%RSD	2.7889

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6240.3	5184.0	62179.	9660.0
Stddev	8.1	4.6	210.	94.2
%RSD	.13032	.08915	.33766	.97544

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	93.769%	94.871%	95.244%	89.818%
Range				

Sample Name: 240-24764-g-5-a Acquired: 5/31/2013 16:07:27 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.51109	31908.	6.6521	407.47	299.56	.94170	276650.
Stddev	.73769	241.	1.2770	.99	1.05	.04224	1800.
%RSD	144.34	.75602	19.197	.24318	.35046	4.4858	.65070

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.9734	19.781	51.458	48.003	36087.	9427.2	107.60
Stddev	.0320	.191	.044	.310	61.	43.1	.87
%RSD	3.286	.96592	.08539	.64503	.17001	.45752	.80414

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	118310.	778.54	1.4371	14411.	46.622	14.442	-3.499
Stddev	532.	1.35	.1044	75.	.433	.858	.822
%RSD	.44935	.17304	7.2663	.51768	.92899	5.9380	23.48

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24764-g-5-a Acquired: 5/31/2013 16:07:27 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Tl1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.3561	1.9852	1607.7	1.4101	98.687	119.21	38614.
Stddev	1.2010	.1562	1.9	.6264	1.598	.23	772.
%RSD	14.372	7.8703	.11568	44.427	1.6188	.19680	2.0006

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	400.05
Stddev	4.68
%RSD	1.1690

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5956.9	5313.7	63424.	10274.
Stddev	11.0	13.7	163.	81.
%RSD	.18399	.25718	.25684	.78490

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	89.511%	97.245%	97.151%	95.524%
Range				

Sample Name: 240-24764-h-5-a Acquired: 5/31/2013 16:11:23 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.18180	-7.9284	1.6426	416.65	55.485	-.18194	144280.
Stddev	.20718	19.080	.4282	1.52	.099	.01819	1595.
%RSD	113.96	240.66	26.067	.36389	.17822	9.9963	1.1057

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3523	-.17182	5.2451	14.719	12.741	3553.8	95.736
Stddev	.0936	.24950	.4557	.124	2.567	11.1	1.172
%RSD	26.58	145.22	8.6885	.84255	20.148	.31138	1.2248

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	66765.	5.6731	1.3466	12180.	1.6327	.75101	-1.511
Stddev	217.	7.2615	.0712	46.	.4619	1.0214	.608
%RSD	.32553	128.00	5.2856	.37538	28.288	136.00	40.21

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24764-h-5-a Acquired: 5/31/2013 16:11:23 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.1673	.08810	9.4450	1.9602	.77541	38.941	11225.
Stddev	1.8344	.48675	15.305	.5270	.81261	.046	70.
%RSD	20.011	552.47	162.04	26.885	104.80	.11904	.61978

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	285.93
Stddev	1.58
%RSD	.55204

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6207.1	5152.7	62365.	9942.9
Stddev	2.4	9.2	774.	23.7
%RSD	.03788	.17910	1.2408	.23852

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	93.270%	94.299%	95.529%	92.448%
Range				

Sample Name: CCV Acquired: 5/31/2013 16:15:24 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1018.2	26285.	507.61	5029.5	2043.4	2025.3	48425.
Stddev	1.0	205.	2.23	12.9	10.6	16.6	404.
%RSD	.09991	.77986	.43942	.25654	.51650	.81821	.83482

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	504.6	1920.9	1962.3	2009.1	24252.	52741.	5157.8
Stddev	.9	2.1	2.1	1.5	207.	432.	40.1
%RSD	.1753	.10857	.10727	.07713	.85223	.81835	.77651

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48652.	1862.7	1997.5	51951.	1904.9	488.27	507.4
Stddev	499.	.9	4.4	366.	2.4	2.05	3.8
%RSD	1.0250	.04951	.22058	.70386	.12428	.42019	.7396

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Sample Name: CCV Acquired: 5/31/2013 16:15:24 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	500.28	4859.6	4873.6	989.63	2117.0	1916.3	F 5539.7
Stddev	.49	9.7	22.8	.97	21.8	8.5	150.6
%RSD	.09814	.19991	.46870	.09835	1.0313	.44362	2.7180

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value							5000.0
Range							10.500%

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	5121.5
Stddev	36.4
%RSD	.70993

Check ?	Chk Pass
Value	
Range	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6194.0	5243.6	62052.	9674.0
Stddev	41.4	32.2	85.	177.6
%RSD	.66886	.61442	.13620	1.8355

Sample Name: CCB Acquired: 5/31/2013 16:19:10 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.7696	-1.2651	.37711	8.5430	.38132	.33313	32.235	.1481
Stddev	2.8346	4.0117	.88234	.7552	.12156	.02369	2.320	.1200
%RSD	160.18	317.11	233.98	8.8396	31.877	7.1116	7.1971	81.02

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.03315	3.2780	2.5797	5.8006	-39.506	-.12596	18.555	3.1980
Stddev	.13770	4.8959	4.7384	.0684	25.783	1.1249	6.828	4.8127
%RSD	415.35	149.36	183.68	1.1798	65.263	893.01	36.799	150.49

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.8793	51.265	-.15594	1.1479	-.1351	-.90417	1.5015	9.7243
Stddev	.0228	5.594	.20072	.5419	1.147	1.5129	.4969	12.520
%RSD	1.2109	10.911	128.71	47.210	848.6	167.33	33.096	128.75

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB Acquired: 5/31/2013 16:19:10 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.27722	.50799	.63925	84.321	-.02721
Stddev	1.0866	.70125	.04765	19.312	3.4686
%RSD	391.96	138.04	7.4537	22.903	12746.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6696.4	5421.3	65952.	10114.
Stddev	28.0	16.3	398.	80.
%RSD	.41743	.30037	.60300	.79354

Sample Name: 240-24794-a-2-a Acquired: 5/31/2013 16:23:05 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.38815	13.375	1.4875	91.232	170.30	.08671	73833.	.4386
Stddev	.28100	11.747	.2461	.998	.13	.04320	611.	.1384
%RSD	72.396	87.833	16.543	1.0938	.07405	49.821	.82749	31.55

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.37263	1.2874	3.4980	407.39	4829.6	1.7863	34102.	250.06
Stddev	.40447	.3656	.3641	1.76	33.9	.1385	133.	1.07
%RSD	108.54	28.401	10.410	.43210	.70220	7.7510	.39028	.42689

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	58.819	54715.	1.6472	2.0928	-1.018	-1.2888	1.2358	.92851
Stddev	.463	133.	.5621	.5435	1.219	.4519	1.0153	.10881
%RSD	.78727	.24219	34.123	25.970	119.7	35.066	82.160	11.719

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24794-a-2-a Acquired: 5/31/2013 16:23:05 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.9364	2.5779	13.449	6966.7	375.30
Stddev	.1596	1.5730	.380	25.7	4.71
%RSD	8.2444	61.020	2.8271	.36924	1.2541

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6340.1	5253.7	62558.	9881.6
Stddev	13.6	13.3	328.	70.0
%RSD	.21519	.25229	.52426	.70816

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.268%	96.147%	95.824%	91.878%
Range				

Sample Name: 240-24823-c-1-a Acquired: 5/31/2013 16:27:03 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.26591	72.522	2.9602	137.02	15.779	.02449	51910.	-.0194
Stddev	.24448	1.693	.5000	.18	.386	.06728	88.	.0776
%RSD	91.941	2.3347	16.890	.13175	2.4491	274.78	.17045	399.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.11228	7.4570	1.5524	1657.5	14411.	64.950	4063.3	8.4049
Stddev	.25117	.2406	.0612	7.4	48.	1.116	57.3	.0461
%RSD	223.70	3.2263	3.9435	.44677	.33630	1.7179	1.4101	.54865

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.2983	33527.	.47263	1.3093	-1.358	-.44852	.21571	43.407
Stddev	.0895	30.	.27583	.7625	.981	1.0303	.03203	.164
%RSD	1.6890	.08862	58.360	58.236	72.26	229.72	14.847	.37673

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24823-c-1-a Acquired: 5/31/2013 16:27:03 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.0209	19.936	7.5447	8502.0	318.45
Stddev	.4970	.863	.0291	22.1	2.55
%RSD	48.684	4.3296	.38610	.25955	.80033

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6505.3	5316.7	63573.	10038.
Stddev	17.2	10.2	174.	109.
%RSD	.26452	.19213	.27404	1.0908

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.751%	97.299%	97.378%	93.332%
Range				

Sample Name: 240-24823-d-1-a Acquired: 5/31/2013 16:30:55 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.55649	-2.8595	2.6405	126.32	14.592	-.09477	52420.	-.0364
Stddev	.18866	21.348	1.2502	.40	.164	.00959	49.	.1031
%RSD	33.902	746.58	47.346	.31486	1.1213	10.119	.09403	283.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.04187	4.5761	1.3251	14.103	13926.	59.712	4357.6	.24851
Stddev	.05356	.2705	.3077	.620	21.	1.120	6.5	.00213
%RSD	127.92	5.9103	23.224	4.3977	.15035	1.8756	.14830	.85683

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.0521	33713.	.08481	.21016	-1.675	-1.7275	.54550	-.23218
Stddev	.0544	45.	.28809	1.8514	1.671	1.3821	.21251	.17909
%RSD	1.0772	.13453	339.69	880.98	99.76	80.003	38.957	77.135

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24823-d-1-a Acquired: 5/31/2013 16:30:55 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.4492	12.419	6.0485	7943.0	317.65
Stddev	.4461	.441	.0048	5.6	.54
%RSD	30.779	3.5485	.07904	.07020	.16979

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6488.7	5305.1	63636.	9894.5
Stddev	32.3	21.9	43.	29.1
%RSD	.49778	.41274	.06831	.29388

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.501%	97.087%	97.475%	91.998%
Range				

Sample Name: 240-24823-c-2-a Acquired: 5/31/2013 16:34:47 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.42580	172.86	5.5688	25.093	135.14	-.17768	161050.
Stddev	.20975	7.90	1.4757	.222	.30	.03634	784.
%RSD	49.259	4.5702	26.499	.88486	.22328	20.455	.48661

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2947	1.9443	4.8602	11.752	15913.	1421.6	-4.3082
Stddev	.0852	.2322	.1513	.295	21.	11.3	.4259
%RSD	28.89	11.942	3.1139	2.5111	.13404	.79740	9.8860

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	82585.	3145.2	.22785	20268.	3.1999	2.0183	-5.370
Stddev	265.	18.4	.13589	38.	.3399	1.0499	1.426
%RSD	.32118	.58375	59.640	.18862	10.622	52.016	26.54

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24823-c-2-a Acquired: 5/31/2013 16:34:47 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.27135	.18711	23.704	3.7562	3.7409	24.942	13928.
Stddev	1.1700	.26480	.132	.3103	1.5503	.105	129.
%RSD	431.19	141.52	.55715	8.2603	41.441	.41981	.92534

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	406.16
Stddev	2.44
%RSD	.60032

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6166.8	5172.5	61681.	9891.0
Stddev	19.5	15.8	136.	81.4
%RSD	.31604	.30597	.22026	.82347

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.664%	94.662%	94.481%	91.965%
Range				

Sample Name: 240-24823-d-2-a Acquired: 5/31/2013 16:38:55 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.02996	.82181	5.0450	25.628	117.65	-.18100	158140.
Stddev	.72688	11.043	.6571	.457	.53	.05175	1143.
%RSD	2426.1	1343.8	13.024	1.7826	.45296	28.591	.72302

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4130	1.7860	1.4203	5.2092	13121.	1448.6	-2.5629
Stddev	.1328	.1362	.4325	.1246	14.	13.4	.6722
%RSD	32.17	7.6266	30.450	2.3913	.10555	.92430	26.229

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	82709.	3078.8	.22316	20188.	1.9849	.55009	-3.318
Stddev	83.	6.6	.14191	34.	.2403	1.6248	1.199
%RSD	.10061	.21298	63.590	.16936	12.107	295.37	36.13

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24823-d-2-a Acquired: 5/31/2013 16:38:55 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.15456	.52232	-.06848	2.8423	1.8786	51.792	14445.
Stddev	1.1907	.40266	.04982	.6361	1.0072	.144	23.
%RSD	770.34	77.092	72.745	22.379	53.615	.27804	.16257

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	396.56
Stddev	2.65
%RSD	.66779

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6114.0	5140.8	60963.	9607.0
Stddev	30.7	22.5	145.	31.6
%RSD	.50268	.43697	.23780	.32914

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.871%	94.081%	93.380%	89.325%
Range				

Sample Name: 240-24823-h-3-a Acquired: 5/31/2013 16:43:03 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.17687	8.0009	.88248	460.67	34.256	-.16303	125430.
Stddev	.21514	7.8048	1.4091	1.77	.173	.03554	1629.
%RSD	121.64	97.549	159.67	.38333	.50395	21.799	1.2986

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3475	-.08305	3.4693	5.1598	62.744	12658.	73.825
Stddev	.1007	.27565	.2121	.9007	1.174	10.	.867
%RSD	28.97	331.92	6.1125	17.457	1.8704	.07854	1.1743

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48439.	11.406	7.4748	24381.	1.1021	.90458	-3.309
Stddev	107.	.049	.1746	33.	.2914	1.2611	.428
%RSD	.21999	.43029	2.3357	.13686	26.446	139.41	12.95

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24823-h-3-a Acquired: 5/31/2013 16:43:03 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.3191	.02535	1.0139	1.7011	.77298	12.842	8884.5
Stddev	.2640	.13553	.1417	1.2285	.75570	.137	143.3
%RSD	7.9546	534.69	13.979	72.221	97.764	1.0705	1.6125

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	332.29
Stddev	.78
%RSD	.23532

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6289.9	5217.3	62470.	9983.4
Stddev	9.1	6.5	133.	33.8
%RSD	.14486	.12498	.21215	.33872

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.514%	95.480%	95.689%	92.824%
Range				

Sample Name: 240-24823-i-3-a Acquired: 5/31/2013 16:47:01 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.54269	-13.336	.69639	466.44	34.346	-.15219	129530.
Stddev	.37851	15.636	.37078	1.77	.178	.03235	1540.
%RSD	69.746	117.25	53.242	.37843	.51907	21.254	1.1887

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2824	-.00203	3.3301	5.8160	7.5909	12830.	73.810
Stddev	.0385	.31210	.2083	.6237	.3296	15.	1.218
%RSD	13.64	15360.	6.2548	10.723	4.3425	.11946	1.6508

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49331.	9.9117	7.5090	24712.	1.1446	1.0620	-2.579
Stddev	168.	.0109	.2379	48.	.3066	1.3516	2.557
%RSD	.34138	.11022	3.1682	.19502	26.790	127.27	99.17

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24823-i-3-a Acquired: 5/31/2013 16:47:01 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.2484	-.20837	-.52930	2.2567	1.7573	15.629	10277.
Stddev	.4699	.13584	.10859	1.0766	1.9229	.146	44.
%RSD	14.467	65.194	20.515	47.706	109.42	.93734	.42487

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	337.02
Stddev	1.02
%RSD	.30314

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6196.1	5147.5	61501.	9712.6
Stddev	8.2	6.4	283.	61.0
%RSD	.13174	.12467	.46012	.62815

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	93.104%	94.204%	94.205%	90.306%
Range				

Sample Name: 240-24803-j-1-a Acquired: 5/31/2013 16:51:00 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.18800	-11.767	.31109	88.738	113.34	-.09972	72997.	.0313
Stddev	.32715	11.380	.84921	.365	.50	.03861	294.	.1047
%RSD	174.01	96.712	272.98	.41124	.43871	38.721	.40294	334.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.08771	.74553	4.7719	11.145	1828.1	7.0143	15555.	.22890
Stddev	.02375	.18334	.2913	.506	22.7	1.4666	66.	.01258
%RSD	27.075	24.592	6.1050	4.5402	1.2409	20.908	.42654	5.4940

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.11190	33736.	-.00534	.92973	-2.956	-1.4608	.13200	-.48214
Stddev	.07752	116.	.12944	.73701	.759	1.1674	.52145	.06412
%RSD	69.283	.34424	2423.6	79.271	25.69	79.914	395.03	13.300

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24803-j-1-a Acquired: 5/31/2013 16:51:00 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.0530	1.2201	46.031	5056.0	174.27
Stddev	.8702	.8037	.100	14.0	2.14
%RSD	82.639	65.874	.21636	.27592	1.2275

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6411.8	5260.0	62800.	9808.0
Stddev	30.9	22.4	534.	139.2
%RSD	.48117	.42520	.84965	1.4191

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.346%	96.262%	96.194%	91.193%
Range				

Sample Name: 240-24805-j-1-a Acquired: 5/31/2013 16:54:51 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.00758	-7.6789	1.9555	31.776	105.03	-.17028	133120.
Stddev	.20744	17.324	.5084	1.341	.31	.04860	1041.
%RSD	2735.4	225.60	25.999	4.2215	.29411	28.540	.78234

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1989	.67381	.72658	4.9216	2301.5	2111.2	18.118
Stddev	.0717	.21161	.26974	.7089	7.4	19.8	.327
%RSD	36.04	31.405	37.124	14.405	.32083	.93682	1.8060

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	30748.	210.99	-.03690	42241.	.59680	1.5017	-3.809
Stddev	112.	.74	.13431	99.	.21652	1.1274	1.402
%RSD	.36494	.35022	363.99	.23367	36.281	75.077	36.81

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24805-j-1-a Acquired: 5/31/2013 16:54:51 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.9054	-.07688	-.58930	2.5112	-.13326	9.7257	4577.6
Stddev	.5053	.26046	.16823	.3557	1.5269	.1048	5.5
%RSD	26.520	338.78	28.547	14.166	1145.8	1.0779	.11922

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	251.32
Stddev	1.44
%RSD	.57138

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6324.7	5228.1	61692.	9844.4
Stddev	9.2	3.0	169.	62.1
%RSD	.14477	.05682	.27445	.63107

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.037%	95.678%	94.498%	91.532%
Range				

Sample Name: mb 240-87263/1-a Acquired: 5/31/2013 16:58:50 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.33141	-9.9318	.86183	-1.6974	.05244	-.08332	14.767	-.0414
Stddev	.16683	10.442	.20404	.1446	.13208	.07667	1.638	.0765
%RSD	50.339	105.14	23.676	8.5202	251.86	92.025	11.094	184.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.19241	.09639	-.45809	1.2387	-58.012	-2.6083	11.012	.10989
Stddev	.06192	.10868	.38153	1.3353	11.046	.5437	8.783	.03787
%RSD	32.183	112.75	83.287	107.79	19.041	20.847	79.762	34.463

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.27891	50.837	-.36979	.94375	-3.676	-1.1123	-.13403	-.69747
Stddev	.10043	4.892	.29145	.49597	1.728	.2136	.16783	.16297
%RSD	36.009	9.6228	78.815	52.553	47.01	19.202	125.22	23.365

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: mb 240-87263/1-a Acquired: 5/31/2013 16:58:50 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.1076	-.48607	2.3606	26.195	1.2517
Stddev	.3420	.44143	.0212	6.997	1.7989
%RSD	30.880	90.816	.89937	26.711	143.71

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6631.9	5390.1	64430.	10066.
Stddev	46.8	36.8	269.	40.
%RSD	.70534	.68192	.41686	.40114

Sample Name: CCV Acquired: 5/31/2013 17:02:47 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1016.4	26041.	509.79	5023.0	2036.2	2017.2	48751.	505.3
Stddev	4.5	183.	2.20	5.6	8.1	8.0	178.	.8
%RSD	.44582	.70403	.43115	.11114	.39694	.39712	.36510	.1587

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1932.0	1967.2	2005.9	24293.	52523.	5144.6	49008.	1878.4
Stddev	.5	11.6	11.3	93.	219.	23.4	276.	11.0
%RSD	.02443	.59020	.56429	.38414	.41667	.45499	.56249	.58501

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2007.8	51819.	1919.3	491.98	503.5	498.95	4877.2	4915.5
Stddev	3.2	223.	.2	1.01	2.6	1.38	2.7	30.5
%RSD	.15751	.43117	.00806	.20624	.5257	.27719	.05598	.62011

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: CCV Acquired: 5/31/2013 17:02:47 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	999.22	2103.3	1938.5	5402.5	5101.8
Stddev	1.49	10.7	1.8	166.0	19.4
%RSD	.14958	.50831	.09337	3.0723	.38053

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6103.5	5165.2	61122.	9382.3
Stddev	9.3	1.5	479.	113.6
%RSD	.15196	.02846	.78367	1.2110

Sample Name: CCB Acquired: 5/31/2013 17:06:33 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.28796	3.0770	-.51970	8.0607	.71865	.43854	19.527	.1628
Stddev	.18256	8.6000	1.8972	.7489	.23010	.09499	1.651	.1224
%RSD	63.398	279.49	365.05	9.2901	32.019	21.659	8.4531	75.18

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.23351	.43304	.25327	6.3863	-30.806	1.5559	15.133	.42872
Stddev	.25526	.05743	.80525	1.7283	9.492	.4099	13.265	.01972
%RSD	109.32	13.263	317.94	27.063	30.813	26.348	87.655	4.6008

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.9222	53.899	.20902	.56449	.0209	-.96077	1.8798	2.9316
Stddev	.1067	11.276	.09040	.46118	1.916	1.6572	.2516	.2271
%RSD	5.5494	20.921	43.251	81.700	9154.	172.48	13.386	7.7453

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB Acquired: 5/31/2013 17:06:33 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.89990	.75926	.75797	42.824	3.0867
Stddev	1.2359	2.1276	.08933	9.704	1.6316
%RSD	137.34	280.22	11.785	22.659	52.858

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6565.9	5317.6	63955.	9748.5
Stddev	2.8	8.9	157.	17.2
%RSD	.04331	.16790	.24607	.17608

Sample Name: lcs 240-87263/2-a Acquired: 5/31/2013 17:10:28 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	52.760	2107.5	2039.8	1031.1	2076.4	51.102	49069.	50.96
Stddev	.682	13.2	3.2	1.7	.6	.172	52.	.23
%RSD	1.2926	.62861	.15854	.16478	.02890	.33727	.10497	.4607

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	488.24	201.24	256.27	992.74	53660.	1020.4	49624.	485.02
Stddev	.63	1.09	.86	1.76	19.	2.3	71.	1.90
%RSD	.12967	.54353	.33738	.17761	.03482	.22247	.14208	.39213

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1014.7	52745.	488.16	496.35	505.5	2048.6	1939.7	995.53
Stddev	.4	36.	.70	.31	1.3	3.8	1.0	1.79
%RSD	.03811	.06880	.14272	.06242	.2518	.18474	.04939	.18006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: lcs 240-87263/2-a Acquired: 5/31/2013 17:10:28 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	TI1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1997.8	544.95	494.09	1035.0	1018.6
Stddev	3.8	3.15	1.37	9.7	3.0
%RSD	.19200	.57840	.27640	.93294	.29906

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6232.0	5223.0	62539.	9661.1
Stddev	31.5	25.2	649.	23.8
%RSD	.50557	.48272	1.0375	.24684

Sample Name: 240-24781-x-2-a Acquired: 5/31/2013 17:14:06 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.17428	1.8372	7.3823	1220.1	7695.0	-.11930
Stddev	.40358	9.8522	7.4940	1.6	173.5	.16165
%RSD	231.56	536.25	101.51	.12950	2.2544	135.49

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	281620.	.6398	1.2600	.90104	.06606	452.82
Stddev	2300.	.5113	2.4041	.33874	.43920	.96
%RSD	.81663	79.91	190.80	37.594	664.83	.21249

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	26166.	740.22	96708.	160.11	3.9065	F 1647200.
Stddev	83.	4.13	378.	.49	4.1963	51642.
%RSD	.31577	.55774	.39106	.30415	107.42	3.1351

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500000.
Low Limit						-500000.

Sample Name: 240-24781-x-2-a Acquired: 5/31/2013 17:14:06 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.8094	.77537	2.847	5.0224	6.8355	-.24631
Stddev	2.4956	2.2401	3.699	6.4543	8.5230	.10419
%RSD	65.511	288.90	129.9	128.51	124.69	42.300

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	6.7244	-.30639	35.166	3008.8	9534.1
Stddev	7.4774	1.0054	1.983	10.4	73.7
%RSD	111.20	328.15	5.6390	.34566	.77336

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5080.8	4534.1	52890.	9527.6
Stddev	16.4	9.7	49.	92.5
%RSD	.32346	.21399	.09268	.97087

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	76.346%	82.978%	81.014%	88.586%
Range				

Sample Name: SD 240-24781-x-2-a@5 Acquired: 5/31/2013 17:18:21 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.02913	6.7524	1.3321	244.19	1562.3	-.11964	59753.
Stddev	.17045	8.4226	.5002	.69	7.2	.03314	242.
%RSD	585.17	124.73	37.553	.28411	.46009	27.700	.40535

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0160	-.13160	.67906	-.59046	94.611	4960.6	143.38
Stddev	.0294	.06398	.24395	.77286	1.573	36.6	.91
%RSD	183.5	48.616	35.925	130.89	1.6623	.73813	.63454

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20421.	33.099	.19162	433420.	.54302	.93064	-1.062
Stddev	155.	.255	.16171	1368.	.28910	1.0093	2.101
%RSD	.76103	.76941	84.387	.31570	53.239	108.45	197.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: SD 240-24781-x-2-a@5 Acquired: 5/31/2013 17:18:21 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.3339	.15537	-.21463	1.4642	.62437	8.5381	618.33
Stddev	3.0755	.41191	.16579	.4405	1.6287	.1395	6.97
%RSD	92.251	265.12	77.247	30.082	260.86	1.6338	1.1268

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1992.3
Stddev	6.2
%RSD	.31165

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5898.5	5045.2	59127.	9584.1
Stddev	3.7	6.4	195.	90.7
%RSD	.06235	.12784	.32993	.94586

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	88.633%	92.332%	90.569%	89.112%
Range				

Sample Name: 240-24781-x-2-b.ms Acquired: 5/31/2013 17:22:20 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	56.604	2027.6	2111.6	2238.1	9394.7	47.882
Stddev	.871	14.1	15.2	15.4	138.5	.403
%RSD	1.5386	.69637	.71868	.68617	1.4746	.84067

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	317360.	51.93	490.39	191.92	263.02	1370.2
Stddev	3788.	.49	4.77	.35	1.39	12.8
%RSD	1.1936	.9494	.97288	.18236	.52786	.93449

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	79980.	1798.1	141010.	622.84	983.64	F 1532500.
Stddev	624.	11.6	1393.	.28	7.29	22917.
%RSD	.77990	.64678	.98751	.04574	.74072	1.4954

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500000.
Low Limit						-500000.

Sample Name: 240-24781-x-2-b.ms Acquired: 5/31/2013 17:22:20 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	487.01	459.48	513.6	2060.0	1939.9	976.29
Stddev	4.45	4.99	4.8	17.3	20.7	.45
%RSD	.91475	1.0869	.9431	.83815	1.0655	.04573

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ti1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1833.0	514.48	518.63	4012.1	10282.
Stddev	15.4	5.87	4.85	25.2	62.
%RSD	.83771	1.1416	.93610	.62755	.60173

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5019.8	4505.8	53510.	9527.9
Stddev	12.9	2.4	186.	126.5
%RSD	.25776	.05372	.34671	1.3279

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	75.429%	82.459%	81.964%	88.589%
Range				

Sample Name: 240-24781-x-2-c msd Acquired: 5/31/2013 17:26:24 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	56.709	2091.2	2155.5	2272.8	9713.1	49.159
Stddev	.420	15.5	7.2	1.4	126.6	.155
%RSD	.74102	.74237	.33336	.06114	1.3031	.31573

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	323210.	52.96	498.36	196.08	266.33	1445.2
Stddev	1499.	.15	1.38	.19	.31	3.2
%RSD	.46368	.2758	.27667	.09802	.11674	.22349

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	81993.	1822.9	144370.	629.73	1005.2	F 1479500.
Stddev	186.	5.5	344.	1.38	2.2	24006.
%RSD	.22645	.30099	.23858	.21970	.22002	1.6226

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500000.
Low Limit						-500000.

Sample Name: 240-24781-x-2-c msd Acquired: 5/31/2013 17:26:24 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	494.44	463.70	531.7	2099.8	1971.2	989.51
Stddev	.92	1.34	2.5	3.0	3.2	.78
%RSD	.18652	.28948	.4793	.14395	.16412	.07855

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1845.8	532.76	523.07	4062.3	10498.
Stddev	7.4	4.55	2.18	31.2	12.
%RSD	.39999	.85327	.41670	.76882	.11493

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5048.3	4523.5	53256.	9358.6
Stddev	10.4	8.5	75.	36.8
%RSD	.20542	.18703	.14094	.39308

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	75.857%	82.784%	81.576%	87.015%
Range				

Sample Name: 240-24781-x-2-a@10 Acquired: 5/31/2013 17:30:28 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.49646	-6.2800	1.5728	124.66	785.67	-.04844	29806.
Stddev	.80823	8.4156	1.0167	.24	2.74	.05241	77.
%RSD	162.80	134.01	64.644	.19213	.34821	108.20	.25885

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0667	.02556	1.5735	1.3126	48.918	2515.1	71.369
Stddev	.0752	.07733	1.7690	3.0839	.845	18.7	2.115
%RSD	112.7	302.54	112.43	234.94	1.7273	.74204	2.9640

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10259.	20.208	1.5773	222390.	.28869	.56899	1.359
Stddev	47.	6.243	.1772	2417.	.11625	.73574	.314
%RSD	.45888	30.893	11.235	1.0867	40.267	129.31	23.11

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24781-x-2-a@10 Acquired: 5/31/2013 17:30:28 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.57816	1.3361	6.2880	1.6404	.96328	5.7826	308.95
Stddev	.93404	.1874	10.034	.5202	1.2868	.0797	5.12
%RSD	161.55	14.029	159.58	31.713	133.58	1.3788	1.6564

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1013.9
Stddev	5.2
%RSD	.51463

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6135.3	5173.3	61795.	9962.2
Stddev	6.3	3.7	318.	23.6
%RSD	.10234	.07182	.51392	.23660

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.191%	94.675%	94.655%	92.628%
Range				

Sample Name: SD240-24781-x-2-a@50 Acquired: 5/31/2013 17:34:28 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.34813	-21.071	1.6584	26.435	160.63	-.06300	6140.7	-.0043
Stddev	.42189	18.324	2.3672	.388	.28	.06283	11.7	.0529
%RSD	121.19	86.963	142.74	1.4660	.17572	99.729	.19055	1225.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.00021	-.00044	-.21312	14.665	522.24	15.354	2142.0	3.6030
Stddev	.12711	.13559	.14847	.519	27.75	1.134	22.5	.0038
%RSD	59726.	30578.	69.665	3.5406	5.3136	7.3840	1.0502	.10452

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.28773	47978.	-.49581	.15115	-1.270	-3.0122	.23913	-.31503
Stddev	.21647	139.	.43825	.59352	.998	2.7304	.52200	.07391
%RSD	75.231	.28939	88.390	392.66	78.56	90.645	218.29	23.462

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: SD240-24781-x-2-a@50 Acquired: 5/31/2013 17:34:28 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.1655	1.2230	3.3950	66.815	206.64
Stddev	1.0759	.9634	.0290	5.139	2.76
%RSD	92.316	78.776	.85487	7.6911	1.3357

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6428.2	5276.0	63698.	9946.3
Stddev	14.2	13.1	197.	103.9
%RSD	.22084	.24741	.30954	1.0444

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.592%	96.554%	97.571%	92.479%
Range				

Sample Name: 240-24781-x-2-bms@10 Acquired: 5/31/2013 17:38:24 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.2633	206.30	205.26	223.79	987.79	4.9802	34573.
Stddev	.4932	4.32	1.34	.42	5.31	.0877	239.
%RSD	9.3698	2.0954	.65429	.18714	.53724	1.7609	.69016

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.018	49.621	20.425	25.621	152.64	7718.1	170.61
Stddev	.037	.084	.103	.609	2.61	29.8	1.28
%RSD	.7285	.16900	.50619	2.3775	1.7068	.38664	.74790

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15017.	65.095	103.38	232280.	49.575	50.932	48.78
Stddev	117.	.383	.30	2679.	.329	1.832	2.23
%RSD	.77967	.58828	.29213	1.1535	.66417	3.5975	4.567

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24781-x-2-bms@10 Acquired: 5/31/2013 17:38:24 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	201.43	196.98	100.17	197.26	53.865	55.221	410.64
Stddev	2.36	.46	.62	1.44	1.613	.157	3.19
%RSD	1.1714	.23331	.62036	.73094	2.9953	.28379	.77741

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1105.0
Stddev	3.1
%RSD	.28066

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6130.4	5174.5	61663.	9878.3
Stddev	21.7	23.0	273.	111.7
%RSD	.35449	.44373	.44214	1.1308

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.118%	94.698%	94.453%	91.848%
Range				

Sample Name: 24024781-x-2-cmsd@10 Acquired: 5/31/2013 17:42:19 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.1959	200.89	208.07	222.83	984.74	5.0284	34709.
Stddev	.5550	17.72	.88	.90	3.06	.0124	112.
%RSD	10.680	8.8187	.42384	.40595	.31113	.24697	.32398

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.238	49.783	20.608	25.272	145.97	7745.8	169.99
Stddev	.153	.173	.132	.352	.43	49.2	1.08
%RSD	2.916	.34685	.63866	1.3944	.29718	.63552	.63758

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15144.	64.951	103.75	231310.	49.923	49.620	48.99
Stddev	62.	.040	.25	1263.	.628	1.289	1.32
%RSD	.40855	.06147	.23767	.54600	1.2586	2.5973	2.687

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 24024781-x-2-cmsd@10 Acquired: 5/31/2013 17:42:19 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	200.53	197.20	100.22	198.64	54.716	54.868	409.20
Stddev	1.08	.62	.36	1.18	1.353	.314	3.24
%RSD	.53779	.31593	.36244	.59395	2.4734	.57156	.79155

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1102.5
Stddev	1.1
%RSD	.10361

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6123.0	5164.3	61652.	9626.0
Stddev	34.1	21.7	142.	56.1
%RSD	.55673	.42039	.23029	.58309

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.006%	94.511%	94.436%	89.501%
Range				

Sample Name: BLANK Acquired: 5/31/2013 17:46:15 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.23881	-9.2320	.10207	-.49194	1.6574	-.08552	107.09	.0017
Stddev	.13785	13.418	1.0973	.32953	1.9151	.08065	69.00	.1115
%RSD	57.725	145.34	1075.0	66.987	115.55	94.297	64.427	6683.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.04549	.01677	-.37521	.91002	16.164	-.15167	25.834	.10002
Stddev	.04720	.26132	.45758	.88959	40.145	1.2728	31.056	.02440
%RSD	103.77	1558.6	121.95	97.755	248.36	839.21	120.21	24.399

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.11418	738.81	-.33299	.21400	-2.223	-1.3418	.48786	-.59889
Stddev	.18924	477.73	.17278	.81012	.956	.2946	.37940	.19631
%RSD	165.74	64.661	51.888	378.56	43.00	21.957	77.769	32.779

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: BLANK Acquired: 5/31/2013 17:46:15 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.79323	1.3454	3.5652	4.2901	2.2443
Stddev	1.0496	.9412	.1052	3.2169	3.5810
%RSD	132.32	69.957	2.9509	74.986	159.56

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6649.0	5369.3	63908.	9609.0
Stddev	20.4	17.2	488.	53.3
%RSD	.30619	.31996	.76372	.55452

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.910%	98.262%	97.892%	89.343%
Range				

Sample Name: CCV Acquired: 5/31/2013 17:50:12 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1023.3	25933.	509.90	5039.5	2027.4	2005.1	48258.	509.7
Stddev	4.9	43.	1.10	6.6	5.1	1.7	84.	1.1
%RSD	.48031	.16718	.21604	.13077	.25299	.08403	.17366	.2197

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1943.1	1973.6	2024.6	24074.	52329.	5124.4	48320.	1882.8
Stddev	2.0	7.5	12.1	24.	67.	2.1	76.	9.7
%RSD	.10341	.37938	.59603	.09887	.12799	.04131	.15659	.51716

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2021.5	51160.	1962.8	495.53	504.3	496.51	4889.0	5065.0
Stddev	7.3	121.	7.7	1.40	3.1	3.33	19.6	257.2
%RSD	.36259	.23689	.39317	.28309	.6096	.66998	.40142	5.0774

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: CCV Acquired: 5/31/2013 17:50:12 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1000.6	2094.2	1960.0	5184.8	5066.1
Stddev	2.1	5.1	6.1	127.7	35.9
%RSD	.20548	.24260	.30939	2.4625	.70778

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5871.0	4960.6	58857.	9571.5
Stddev	18.9	28.9	2556.	39.2
%RSD	.32153	.58213	4.3418	.40942

Sample Name: CCB Acquired: 5/31/2013 17:53:59 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.8040	-6.3412	.79975	16.297	.51520	.30799	15.017	.9003
Stddev	1.8490	12.613	1.4381	14.232	.27248	.06967	1.487	1.431
%RSD	102.49	198.91	179.82	87.330	52.888	22.622	9.9001	159.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.0931	2.3878	2.3752	4.8988	-33.949	.38332	11.707	2.2776
Stddev	5.3498	3.4563	3.6768	.6556	22.962	.50749	.569	3.3154
%RSD	172.96	144.75	154.80	13.383	67.637	132.39	4.8614	145.57

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.4479	186.17	3.1982	.95520	.5890	.62375	9.3867	7.3329
Stddev	5.7756	11.45	5.6648	.29015	3.047	1.8792	13.016	8.5982
%RSD	106.02	6.1510	177.13	30.376	517.3	301.28	138.66	117.26

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB Acquired: 5/31/2013 17:53:59 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.6723	-.04543	3.5832	15.805	2.4340
Stddev	3.8631	1.5498	5.1864	1.976	3.0615
%RSD	144.56	3411.7	144.74	12.504	125.78

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6767.7	5456.3	66368.	9952.7
Stddev	33.3	24.1	499.	72.3
%RSD	.49146	.44109	.75113	.72668

Sample Name: BLANK Acquired: 5/31/2013 17:57:55 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.39414	-13.766	-.79324	2.8618	.29975	.07779	25.087	.0293
Stddev	.20619	13.163	.79567	1.0736	.14741	.04115	2.984	.1188
%RSD	52.314	95.618	100.31	37.515	49.178	52.899	11.894	405.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.22610	.51640	.20415	3.4545	-60.587	-.64274	7.7663	.13232
Stddev	.59928	.15756	.81651	.3051	5.426	.66055	.7351	.01582
%RSD	265.05	30.511	399.96	8.8310	8.9564	102.77	9.4650	11.956

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.57825	150.81	-.33896	-.16561	-1.139	-1.2099	.97186	.17673
Stddev	.48814	5.26	.52646	.37178	1.088	.8309	1.5539	.22957
%RSD	84.417	3.4854	155.32	224.49	95.48	68.680	159.89	129.89

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: BLANK Acquired: 5/31/2013 17:57:55 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.81005	-.02805	2.3711	9.3926	1.5758
Stddev	1.3362	.19973	.3543	3.6741	3.5436
%RSD	164.96	712.13	14.943	39.117	224.88

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6688.6	5397.0	64214.	9845.0
Stddev	50.8	41.4	101.	62.8
%RSD	.75974	.76800	.15744	.63805

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.50%	98.769%	98.360%	91.537%
Range				

Sample Name: BLANK Acquired: 5/31/2013 18:01:50 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.08984	-6.2236	.74630	.57314	.03991	-.02130	28.451	.0580
Stddev	.48419	3.8356	1.1153	.13922	.15614	.04313	1.414	.0455
%RSD	538.95	61.630	149.44	24.291	391.20	202.43	4.9696	78.42

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.00004	.07491	.49338	.19383	-49.473	-1.4638	-10.622	.08032
Stddev	.11625	.33537	.83470	.98544	8.635	.0702	5.459	.01677
%RSD	305320.	447.72	169.18	508.40	17.453	4.7943	51.396	20.885

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.06590	126.06	-.19143	.51437	-2.103	-.62960	.11372	-.35749
Stddev	.08198	5.56	.23938	.47056	.570	1.2507	.28475	.07057
%RSD	124.40	4.4122	125.05	91.483	27.09	198.65	250.39	19.740

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: BLANK Acquired: 5/31/2013 18:01:50 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.19377	.48662	2.3094	6.1440	.84515
Stddev	.49496	1.9790	.1146	2.7934	2.5433
%RSD	255.44	406.69	4.9638	45.467	300.94

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6686.7	5391.0	64833.	10067.
Stddev	34.3	17.0	203.	67.
%RSD	.51276	.31547	.31372	.66770

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.48%	98.659%	99.308%	93.599%
Range				

Sample Name: BLANK Acquired: 5/31/2013 18:05:48 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.08345	-10.364	-.81022	-.25337	.24389	-.07037	18.439	.0413
Stddev	.40135	15.944	.21809	.24705	.11451	.00481	1.299	.0624
%RSD	480.98	153.85	26.917	97.508	46.950	6.8401	7.0444	151.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.10022	.08169	.03360	-.15317	-42.314	-1.3834	5.6248	.05309
Stddev	.18942	.18431	.58182	.68722	6.559	.4118	9.7854	.03521
%RSD	189.01	225.61	1731.7	448.65	15.501	29.764	173.97	66.316

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.01451	113.44	-.54395	.62018	-3.009	-2.1003	.01429	-.33009
Stddev	.05865	3.90	.39458	.95938	2.917	1.9416	.34540	.03150
%RSD	404.16	3.4344	72.539	154.69	96.93	92.445	2416.3	9.5413

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: BLANK Acquired: 5/31/2013 18:05:48 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.35331	1.0269	1.8979	6.3461	2.7223
Stddev	.34660	.6504	.0590	2.7305	2.7852
%RSD	98.102	63.342	3.1062	43.026	102.31

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6686.8	5386.0	64213.	9652.0
Stddev	29.4	26.5	823.	71.5
%RSD	.44039	.49114	1.2819	.74030

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.48%	98.568%	98.359%	89.743%
Range				

Sample Name: BLANK Acquired: 5/31/2013 18:09:41 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.54423	-15.808	-1.2069	-.82180	.09917	-.08472	18.799	.0289
Stddev	.19281	7.995	1.9905	.11695	.02715	.03897	2.128	.1165
%RSD	35.429	50.578	164.93	14.231	27.378	46.001	11.321	403.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.16764	.09690	-.27975	.23457	-37.420	-2.1482	-9.6946	.14143
Stddev	.10514	.04176	.04587	.59608	13.968	.6206	.1636	.01279
%RSD	62.717	43.092	16.398	254.11	37.326	28.891	1.6870	9.0436

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.02247	103.11	-.58025	.74523	-1.796	-1.7187	-.08696	-.50354
Stddev	.02248	4.18	.32239	.12087	.552	1.3847	.39879	.06532
%RSD	100.01	4.0586	55.561	16.219	30.71	80.562	458.58	12.971

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: BLANK Acquired: 5/31/2013 18:09:41 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.0253	.76140	2.0687	7.4770	.77141
Stddev	.3791	2.3775	.0078	4.1635	3.0406
%RSD	36.976	312.25	.37496	55.684	394.17

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6726.8	5415.9	65526.	10087.
Stddev	32.7	20.0	283.	34.
%RSD	.48608	.36964	.43201	.33485

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	101.08%	99.116%	100.37%	93.785%
Range				

Sample Name: BLANK Acquired: 5/31/2013 18:13:36 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.63244	-16.298	-.27875	-1.1516	.07546	-.06850	16.044	.1540
Stddev	.13007	5.265	.38675	.2018	.12393	.01440	1.344	.1195
%RSD	20.566	32.305	138.74	17.527	164.23	21.024	8.3804	77.62

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.18550	.00953	-.40971	-.70703	-62.246	-1.5066	2.0531	.03572
Stddev	.16493	.22852	.25751	.50530	25.418	.8224	2.1145	.01535
%RSD	88.908	2397.8	62.851	71.468	40.835	54.582	102.99	42.968

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.15742	107.12	-.44324	.74434	-1.870	-1.1829	.16498	-.51459
Stddev	.18790	5.58	.12088	.55519	.415	1.9774	.53818	.11637
%RSD	119.37	5.2080	27.272	74.589	22.18	167.17	326.21	22.615

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: BLANK Acquired: 5/31/2013 18:13:36 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.37032	-.03718	1.8611	9.0240	1.4505
Stddev	.81311	1.8565	.0685	3.4306	.3781
%RSD	219.57	4992.6	3.6800	38.017	26.071

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6648.5	5364.5	65211.	9964.3
Stddev	19.0	10.7	317.	19.5
%RSD	.28527	.19865	.48658	.19570

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.902%	98.174%	99.887%	92.646%
Range				

Sample Name: BLANK Acquired: 5/31/2013 18:17:32 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.27836	-3.9841	.08189	-1.7600	.08593	-.06794	25.672	-.0210
Stddev	.51535	14.578	1.1554	.3348	.02984	.03563	1.377	.1014
%RSD	185.14	365.91	1410.9	19.023	34.726	52.447	5.3625	483.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.06503	.32480	-.27429	.35149	-44.707	-1.0213	-1.7263	.18255
Stddev	.15784	.25022	.56632	.64686	14.147	.4216	6.6723	.02130
%RSD	242.73	77.037	206.47	184.04	31.645	41.284	386.51	11.667

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.26993	101.09	-.17305	-.21012	-2.165	-.72528	.10280	-.62909
Stddev	.16216	2.77	.20199	.62482	1.861	1.5073	.24884	.03564
%RSD	60.075	2.7381	116.72	297.36	85.99	207.83	242.06	5.6647

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: BLANK Acquired: 5/31/2013 18:17:32 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.19310	1.2163	2.1928	5.0181	1.1641
Stddev	.96415	1.3486	.0486	.8867	.7850
%RSD	499.29	110.88	2.2165	17.670	67.433

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6642.8	5360.7	64373.	9919.4
Stddev	16.1	12.7	256.	4.0
%RSD	.24279	.23723	.39713	.04033

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.816%	98.106%	98.604%	92.229%
Range				

Sample Name: BLANK Acquired: 5/31/2013 18:21:26 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.51081	-11.154	-.62597	-2.1034	-.02350	-.04632	26.417	-.0411
Stddev	.33573	6.851	.67129	.0597	.20711	.00711	1.700	.0331
%RSD	65.725	61.423	107.24	2.8372	881.48	15.350	6.4358	80.37

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.01215	.10027	.01067	.34574	-53.649	.17402	-1.8921	.05415
Stddev	.05528	.07954	.30221	1.2569	13.628	.66003	10.010	.01527
%RSD	455.00	79.320	2831.8	363.55	25.402	379.29	529.00	28.198

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.18721	90.441	-.29276	-.27678	-3.508	-1.0176	.14366	-.65886
Stddev	.08502	6.707	.42898	1.5192	.952	1.8971	.31042	.04008
%RSD	45.416	7.4160	146.53	548.90	27.15	186.43	216.08	6.0826

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: BLANK Acquired: 5/31/2013 18:21:26 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.22731	.95882	2.1276	5.8313	.02031
Stddev	.26569	1.2496	.0764	6.3430	1.0687
%RSD	116.88	130.33	3.5920	108.77	5262.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6671.1	5388.2	65459.	9917.1
Stddev	18.6	2.5	286.	8.4
%RSD	.27855	.04640	.43652	.08497

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.24%	98.608%	100.27%	92.208%
Range				

Sample Name: BLANK Acquired: 5/31/2013 18:25:20 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.45361	-6.3021	1.0524	-2.3021	.09756	-.06910	16.688	.0257
Stddev	.36837	5.2863	1.2352	.1355	.05226	.01873	1.156	.0206
%RSD	81.210	83.882	117.37	5.8879	53.569	27.101	6.9291	80.29

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.09183	-.27366	-.60060	.74391	-45.375	-1.5920	-2.1962	.02393
Stddev	.16596	.15176	.77778	.53965	16.305	1.0628	11.499	.03509
%RSD	180.73	55.455	129.50	72.542	35.935	66.762	523.57	146.61

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.08152	86.378	-.26961	.77555	-2.757	-.86510	-.17136	-.64794
Stddev	.26790	9.067	.16088	1.2147	1.713	.87480	.21623	.12145
%RSD	328.62	10.497	59.670	156.62	62.14	101.12	126.19	18.744

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: BLANK Acquired: 5/31/2013 18:25:20 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.53982	1.4693	1.8873	6.2839	-3.6547
Stddev	.74876	.7442	.0209	1.8517	2.7216
%RSD	138.71	50.653	1.1085	29.468	74.468

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6632.5	5350.9	64730.	9768.1
Stddev	22.7	16.8	228.	42.0
%RSD	.34177	.31443	.35153	.42992

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.662%	97.927%	99.152%	90.822%
Range				

Sample Name: BLANK Acquired: 5/31/2013 18:29:16 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.38014	-10.636	-1.5788	-2.3016	.13134	-.05736	72.568	.1015
Stddev	.17136	6.796	.7689	.0242	.10840	.02339	3.051	.1096
%RSD	45.079	63.893	48.704	1.0496	82.534	40.782	4.2045	108.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.12351	.07740	.24871	.62282	-36.596	-3.0909	-2.3248	.13262
Stddev	.06447	.23066	.75028	1.4449	17.352	.4512	11.536	.02811
%RSD	52.197	298.03	301.67	232.00	47.415	14.598	496.21	21.195

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.08603	78.442	-.47603	-.00962	-2.206	-2.4690	.20801	-.71027
Stddev	.04241	5.895	.15982	.60777	1.073	.5296	.30902	.14923
%RSD	49.299	7.5156	33.574	6314.5	48.63	21.450	148.57	21.011

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: BLANK Acquired: 5/31/2013 18:29:16 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.51945	.27829	4.2558	6.8520	1.2476
Stddev	.61771	1.8961	.0496	4.3899	2.7244
%RSD	118.91	681.35	1.1656	64.068	218.37

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6750.8	5449.9	65320.	9667.0
Stddev	15.8	17.0	532.	83.6
%RSD	.23428	.31211	.81419	.86526

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	101.44%	99.738%	100.05%	89.882%
Range				

Sample Name: BLANK Acquired: 5/31/2013 18:33:10 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.10565	-3.8301	.02349	-2.5727	.43429	-.05071	16.226	.0465
Stddev	.71729	17.750	.40303	.1450	.17436	.02124	1.796	.0161
%RSD	678.93	463.44	1715.6	5.6340	40.147	41.895	11.067	34.67

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.03870	-.12059	-.30814	1.2551	-27.598	-1.9251	6.5344	.03899
Stddev	.10542	.41719	.29886	1.1335	24.479	.9234	6.8764	.03479
%RSD	272.40	345.95	96.988	90.308	88.700	47.968	105.23	89.214

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.12734	71.424	-.23118	1.1172	-1.557	-1.9453	-.04569	-.54923
Stddev	.09208	7.659	.29085	1.5904	1.126	1.6772	.49338	.17579
%RSD	72.306	10.724	125.81	142.35	72.27	86.216	1079.9	32.006

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: BLANK Acquired: 5/31/2013 18:33:10 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.60277	-.28104	1.6940	5.6808	.69167
Stddev	.37792	1.2543	.0718	8.7907	.55622
%RSD	62.696	446.32	4.2398	154.74	80.417

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6630.1	5356.2	64094.	9765.5
Stddev	23.2	10.3	168.	60.4
%RSD	.35032	.19320	.26194	.61836

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.626%	98.022%	98.177%	90.798%
Range				

Sample Name: CCV Acquired: 5/31/2013 18:37:06 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1009.8	25557.	505.12	4982.7	2016.2	1989.9	48369.	503.2
Stddev	1.6	134.	3.46	3.6	3.3	7.1	121.	.8
%RSD	.16040	.52296	.68560	.07310	.16195	.35869	.25025	.1587

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1927.6	1967.8	1992.8	23933.	51967.	5108.1	48243.	1875.9
Stddev	3.0	5.0	5.1	67.	190.	9.5	212.	2.9
%RSD	.15644	.25252	.25480	.28116	.36505	.18608	.43903	.15229

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2005.3	51098.	1911.1	488.89	496.9	493.31	4843.0	4915.1
Stddev	3.6	147.	2.3	1.54	1.2	.75	11.5	19.1
%RSD	.17943	.28761	.12049	.31510	.2484	.15213	.23840	.38880

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: CCV Acquired: 5/31/2013 18:37:06 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	992.08	2060.4	1941.4	5154.5	4997.0
Stddev	.92	9.6	4.8	137.7	17.4
%RSD	.09318	.46737	.24674	2.6704	.34866

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6126.0	5183.5	61850.	9634.1
Stddev	22.8	15.4	80.	101.2
%RSD	.37196	.29768	.12993	1.0505

Sample Name: CCB Acquired: 5/31/2013 18:40:52 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.52908	6.1988	-.81211	6.8000	.48042	.38960	15.261	.1359
Stddev	.28314	5.9088	.34084	.3986	.07758	.03813	2.396	.0775
%RSD	53.515	95.321	41.970	5.8611	16.148	9.7875	15.702	57.02

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.20321	.28810	.54642	5.5578	-27.558	.99236	9.4196	.36623
Stddev	.25453	.22295	.14742	.5342	26.852	.74351	2.1838	.12882
%RSD	125.25	77.385	26.980	9.6110	97.437	74.923	23.184	35.174

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.8027	86.421	-.19654	-.30852	-.8298	-1.7143	1.4130	2.4134
Stddev	.1718	4.595	.24646	.12898	1.768	.9060	.3108	.3116
%RSD	9.5297	5.3164	125.40	41.805	213.1	52.851	21.995	12.912

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB Acquired: 5/31/2013 18:40:52 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.86874	2.3507	.54057	14.896	1.8709
Stddev	.68501	1.3692	.06379	5.240	3.0301
%RSD	78.850	58.248	11.801	35.177	161.96

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6670.7	5376.3	65905.	9908.5
Stddev	82.5	57.4	361.	71.1
%RSD	1.2372	1.0675	.54777	.71765

Sample Name: BLANK Acquired: 5/31/2013 18:44:46 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.42397	-11.328	-.37823	1.3203	.34128	-.05051	16.460	.1147
Stddev	.34923	6.904	.51179	.3422	.03906	.04203	1.414	.0455
%RSD	82.372	60.943	135.31	25.915	11.444	83.215	8.5934	39.64

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.09177	.30058	-.17477	.66381	-47.754	-.74452	11.192	.08843
Stddev	.07238	.05798	.32580	1.2783	25.874	1.0354	3.524	.01925
%RSD	78.876	19.290	186.42	192.57	54.183	139.07	31.492	21.771

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.32845	52.160	-.33369	-.03818	-2.618	-1.9362	.33533	-.03061
Stddev	.06226	.866	.16307	.36406	1.369	2.1130	.12996	.17232
%RSD	18.954	1.6608	48.867	953.45	52.28	109.13	38.756	562.90

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: BLANK Acquired: 5/31/2013 18:44:46 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.45636	1.1006	1.6311	6.0086	-.45587
Stddev	.88375	.1366	.0560	6.5457	2.9865
%RSD	193.65	12.414	3.4314	108.94	655.12

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6643.2	5375.1	63900.	9715.8
Stddev	18.2	11.2	234.	42.9
%RSD	.27340	.20886	.36554	.44179

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.823%	98.369%	97.880%	90.336%
Range				

Sample Name: BLANK Acquired: 5/31/2013 18:48:41 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.27249	-2.5012	-.07664	-.07479	.28291	-.02702	19.239	.0761
Stddev	.30287	5.7856	.40933	.04385	.17466	.04066	2.388	.0589
%RSD	111.15	231.31	534.10	58.635	61.736	150.48	12.411	77.39

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.02323	-.06819	-.27570	.61845	-35.549	-1.3908	3.4595	.11894
Stddev	.20262	.24998	.30098	1.5134	26.136	1.1266	7.9375	.12770
%RSD	872.39	366.59	109.17	244.71	73.521	80.999	229.44	107.37

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.01660	55.039	.02819	-.45359	-2.276	-.54725	.05045	-.20203
Stddev	.13261	2.180	.25736	.33284	1.584	1.6229	.11612	.33995
%RSD	799.04	3.9618	912.92	73.378	69.60	296.56	230.19	168.26

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: BLANK Acquired: 5/31/2013 18:48:41 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.79482	.17375	1.9141	6.9410	1.4718
Stddev	.88261	1.3976	.0670	2.5295	.9282
%RSD	111.05	804.38	3.4995	36.444	63.065

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6630.5	5353.8	63417.	9761.7
Stddev	45.9	33.2	343.	67.4
%RSD	.69283	.62030	.54114	.69038

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.632%	97.979%	97.140%	90.763%
Range				

Sample Name: BLANK Acquired: 5/31/2013 18:52:34 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.53734	-17.768	-1.4714	-.94127	.18707	-.04549	27.046	-.0831
Stddev	.10066	5.981	.7620	.30471	.17911	.01957	1.020	.0951
%RSD	18.733	33.663	51.786	32.372	95.747	43.019	3.7704	114.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.03104	.22478	.10885	6.0637	-48.110	-1.1154	3.1078	.06667
Stddev	.15125	.38918	.18223	.6119	6.972	1.0169	4.0669	.00782
%RSD	487.24	173.14	167.42	10.091	14.491	91.163	130.86	11.722

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.03422	48.702	-.55378	.67901	-2.479	-1.4330	-.12748	-.58055
Stddev	.06383	3.944	.21921	.24794	1.783	.9843	.24594	.15852
%RSD	186.51	8.0984	39.584	36.515	71.93	68.691	192.93	27.305

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: BLANK Acquired: 5/31/2013 18:52:34 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.71531	-.16134	2.2865	7.5673	1.2443
Stddev	.19219	1.0501	.0330	3.8486	.9200
%RSD	26.869	650.89	1.4409	50.859	73.936

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6698.6	5411.9	64876.	9863.5
Stddev	14.7	13.5	111.	38.8
%RSD	.22012	.24968	.17077	.39350

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.65%	99.042%	99.374%	91.710%
Range				

Sample Name: BLANK Acquired: 5/31/2013 18:56:29 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.24513	-15.268	.12516	-1.3456	.08154	-.09521	15.649	.0526
Stddev	.25457	9.722	.32536	.2074	.12122	.01464	2.056	.1349
%RSD	103.85	63.677	259.96	15.410	148.66	15.373	13.141	256.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.16300	-.03221	.11085	1.8270	-44.509	-2.1539	4.4209	.05184
Stddev	.07340	.10729	.36197	.4396	14.665	.8317	6.6271	.00683
%RSD	45.032	333.07	326.53	24.061	32.948	38.616	149.90	13.184

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.14202	54.475	-.33014	.02094	-1.790	-1.0738	.12930	-.49263
Stddev	.12342	10.980	.38668	1.3754	2.693	.9591	.01430	.06180
%RSD	86.906	20.156	117.13	6568.5	150.5	89.323	11.062	12.545

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: BLANK Acquired: 5/31/2013 18:56:29 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.53878	.72025	1.6933	7.7595	2.2070
Stddev	1.0699	1.7487	.1061	1.3542	1.4505
%RSD	198.57	242.79	6.2648	17.452	65.721

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6670.5	5385.9	64791.	9854.5
Stddev	49.8	29.3	89.	94.5
%RSD	.74602	.54348	.13782	.95918

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.23%	98.567%	99.244%	91.626%
Range				

Sample Name: BLANK Acquired: 5/31/2013 19:00:24 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.02159	-16.242	-.79593	-1.5628	.40771	-.09274	15.796	-.0387
Stddev	.25697	14.190	1.0253	.1007	.11756	.02012	1.066	.0560
%RSD	1190.1	87.367	128.81	6.4433	28.835	21.689	6.7497	144.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.07343	-.09455	-.03670	-.88812	-26.713	.42199	-7.9896	.01754
Stddev	.10951	.10324	.41542	.48308	28.464	.15971	9.1386	.01003
%RSD	149.13	109.20	1131.8	54.393	106.55	37.848	114.38	57.211

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.18119	46.967	-.30887	.02964	-1.960	-1.9559	-.04923	-.59183
Stddev	.12101	4.790	.41405	1.6253	.190	.6422	.13343	.10402
%RSD	66.784	10.198	134.05	5483.3	9.678	32.831	271.06	17.577

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: BLANK Acquired: 5/31/2013 19:00:24 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.29779	-.08255	1.5832	6.4487	2.5748
Stddev	.47194	.68319	.0943	1.1194	.5605
%RSD	158.48	827.59	5.9541	17.358	21.769

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6626.2	5357.0	63473.	9485.4
Stddev	11.1	7.2	429.	45.7
%RSD	.16784	.13498	.67561	.48224

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.567%	98.037%	97.226%	88.194%
Range				

Sample Name: BLANK Acquired: 5/31/2013 19:04:18 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.35397	-15.329	.13811	-2.0803	.01642	-.05474	15.121	-.0012
Stddev	.15337	9.152	1.0387	.1517	.10388	.02552	.524	.0780
%RSD	43.329	59.706	752.08	7.2927	632.61	46.625	3.4654	6660.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.08596	.01081	1.8959	.27147	-50.419	-2.0702	-2.0801	.02444
Stddev	.06154	.19680	.9788	.35326	9.635	.6795	12.478	.00420
%RSD	71.596	1820.5	51.625	130.13	19.110	32.822	599.90	17.182

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.16364	51.031	-.53582	-.68744	-2.192	-1.5297	.17276	-.64029
Stddev	.13668	2.831	.35661	.77969	1.481	1.0836	.17984	.05526
%RSD	83.521	5.5485	66.553	113.42	67.55	70.837	104.10	8.6299

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: BLANK Acquired: 5/31/2013 19:04:18 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.88218	1.2554	2.3738	3.2382	-.29708
Stddev	1.1481	.6048	.0997	4.2817	5.1295
%RSD	130.15	48.180	4.2017	132.22	1726.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6676.6	5388.2	64602.	9906.9
Stddev	19.9	6.6	259.	70.9
%RSD	.29849	.12339	.40103	.71547

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.32%	98.608%	98.955%	92.113%
Range				

Sample Name: BLANK Acquired: 5/31/2013 19:08:13 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.17626	-14.846	.92445	-2.4257	.27356	-.08556	16.639	.0269
Stddev	.18787	9.259	.48402	.2448	.10598	.05025	1.552	.0807
%RSD	106.59	62.367	52.358	10.090	38.740	58.728	9.3265	300.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.15030	.19599	.43616	-.27690	-71.093	-1.5572	5.0454	.05850
Stddev	.07934	.32880	.55414	1.2864	15.388	1.3681	3.4386	.01269
%RSD	52.787	167.76	127.05	464.58	21.645	87.856	68.153	21.692

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.21284	46.371	-.39567	.93013	-2.973	-.04589	.11202	-.54053
Stddev	.04041	1.959	.06778	1.0611	.947	.57017	.10831	.23519
%RSD	18.985	4.2251	17.131	114.09	31.86	1242.4	96.686	43.511

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: BLANK Acquired: 5/31/2013 19:08:13 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.30934	1.1042	1.6948	5.1737	1.6639
Stddev	.44089	.8437	.0607	4.0702	4.5719
%RSD	142.53	76.407	3.5813	78.670	274.77

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6607.1	5340.3	63613.	9562.3
Stddev	19.9	16.1	202.	60.5
%RSD	.30137	.30187	.31735	.63319

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.280%	97.732%	97.439%	88.909%
Range				

Sample Name: BLANK Acquired: 5/31/2013 19:12:08 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.15237	-5.7780	-1.7418	-2.3052	.29590	-.05589	15.068	-.0495
Stddev	.38126	11.641	.7034	.0553	.07258	.02072	1.912	.0719
%RSD	250.22	201.47	40.382	2.3984	24.529	37.071	12.691	145.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.20598	.01285	.01541	.09264	-42.871	-1.3204	-.76005	.02531
Stddev	.04664	.21782	.63818	.99485	29.630	.4103	4.1977	.01189
%RSD	22.643	1695.1	4142.4	1073.9	69.114	31.078	552.30	46.956

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.18619	47.298	1.3782	.28151	-3.145	-2.5069	-.54742	-.64377
Stddev	.10039	1.973	2.5960	.43186	1.361	.6376	.24992	.05791
%RSD	53.919	4.1719	188.36	153.41	43.28	25.434	45.655	8.9953

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: BLANK Acquired: 5/31/2013 19:12:08 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-0.01730	1.1552	2.1816	3.8051	-1.9082
Stddev	.68264	1.2219	.8632	1.4816	2.3570
%RSD	3945.3	105.77	39.569	38.937	123.52

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6667.5	5389.6	64533.	9735.9
Stddev	18.6	14.1	74.	69.7
%RSD	.27924	.26223	.11424	.71550

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.19%	98.634%	98.850%	90.523%
Range				

Sample Name: BLANK Acquired: 5/31/2013 19:16:02 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.54755	-8.6285	-.47532	-2.7240	.02545	-.05539	100.28	.1327
Stddev	.26411	10.148	.61315	.2133	.26790	.02845	.34	.0983
%RSD	48.235	117.61	129.00	7.8297	1052.6	51.359	.34245	74.05

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.05596	.18022	-.46901	-.68008	-50.302	-.91839	-.19432	.04660
Stddev	.33141	.24498	.66967	.53059	35.689	2.2943	2.3179	.03270
%RSD	592.22	135.94	142.79	78.018	70.949	249.82	1192.8	70.166

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.13802	35.294	-.48962	-1.0287	-2.583	-.31060	.19930	-.59030
Stddev	.19849	6.397	.10887	.8630	.865	1.6390	.50391	.11477
%RSD	143.81	18.124	22.236	83.892	33.50	527.67	252.83	19.443

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: BLANK Acquired: 5/31/2013 19:16:02 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.07800	.17770	3.9586	4.9857	.16165
Stddev	1.0586	.16505	.0656	2.9429	2.5273
%RSD	1357.3	92.879	1.6582	59.027	1563.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6795.4	5475.4	65685.	10154.
Stddev	24.7	17.9	95.	79.
%RSD	.36314	.32718	.14504	.77554

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	102.11%	100.20%	100.61%	94.409%
Range				

Sample Name: BLANK Acquired: 5/31/2013 19:19:57 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.36565	-20.070	-.07026	-2.8221	.03048	-.04289	67.210	.0651
Stddev	.12475	13.796	.92212	.1533	.17130	.02238	2.390	.0329
%RSD	34.116	68.742	1312.4	5.4318	561.97	52.173	3.5564	50.53

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.03381	.02195	-.72444	-.03599	-35.691	-.21871	2.6624	.04039
Stddev	.03220	.17345	.16042	.86385	2.911	.91431	1.5926	.02698
%RSD	95.228	790.06	22.145	2400.4	8.1553	418.04	59.819	66.793

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.19969	39.660	-.19184	.41933	-2.130	-.25537	-.18727	-.61551
Stddev	.17988	11.485	.12363	.82532	1.029	1.2369	.25031	.19972
%RSD	90.082	28.960	64.447	196.82	48.33	484.34	133.66	32.448

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: BLANK Acquired: 5/31/2013 19:19:57 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.35461	1.4823	2.9432	3.6357	.08472
Stddev	.82853	.4497	.1638	4.6924	2.6515
%RSD	233.65	30.341	5.5659	129.07	3129.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6754.6	5452.6	65635.	10063.
Stddev	5.9	1.6	428.	43.
%RSD	.08749	.02926	.65258	.42420

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	101.50%	99.788%	100.54%	93.564%
Range				

Sample Name: CCV Acquired: 5/31/2013 19:23:53 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1016.3	25747.	512.86	5057.1	2037.1	2012.1	48765.	510.2
Stddev	6.5	129.	4.27	35.7	8.2	9.8	194.	3.7
%RSD	.63541	.50084	.83186	.70620	.40042	.48562	.39855	.7163

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1955.1	1978.0	2011.8	24112.	52398.	5171.4	48459.	1893.8
Stddev	14.8	12.8	10.8	105.	256.	21.1	260.	14.8
%RSD	.75621	.64742	.53518	.43606	.48866	.40819	.53561	.78155

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2035.5	51689.	1938.0	495.77	503.2	497.11	4897.2	4939.4
Stddev	14.7	205.	14.9	2.26	4.0	5.30	33.0	27.5
%RSD	.72142	.39739	.76703	.45490	.7966	1.0668	.67452	.55713

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: CCV Acquired: 5/31/2013 19:23:53 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1006.3	2079.0	1960.4	5172.6	5054.8
Stddev	7.8	12.3	15.1	120.9	21.2
%RSD	.77448	.58929	.77270	2.3371	.41929

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6142.1	5195.6	62158.	9743.6
Stddev	35.5	28.2	431.	67.7
%RSD	.57793	.54361	.69336	.69532

Sample Name: CCB Acquired: 5/31/2013 19:27:40 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.50146	6.4412	1.8716	20.207	.82995	.61430	23.577	F 1.445
Stddev	.85592	7.8762	1.2075	12.681	.02859	.03805	1.000	1.217
%RSD	170.69	122.28	64.518	62.758	3.4445	6.1942	4.2415	84.20

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit								1.000
Low Limit								-1.000

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.9678	.68992	.61977	7.9372	-13.488	.57163	17.877	.57367
Stddev	4.6915	.19835	.61962	.9898	10.769	.29712	11.114	.05271
%RSD	94.439	28.750	99.977	12.470	79.839	51.978	62.171	9.1888

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.2112	67.143	5.1483	1.7447	.8194	-.52983	13.761	3.2373
Stddev	4.7098	1.547	4.5642	2.1190	1.983	3.2227	11.358	.2216
%RSD	65.313	2.3046	88.654	121.45	242.0	608.25	82.535	6.8463

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB Acquired: 5/31/2013 19:27:40 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.9531	2.2228	5.4697	14.696	-.36107
Stddev	2.6856	1.4204	4.4913	5.423	.60620
%RSD	90.941	63.901	82.113	36.905	167.89

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6492.2	5257.8	63946.	10016.
Stddev	61.8	35.8	307.	136.
%RSD	.95120	.68016	.47991	1.3543

Sample Name: BLANK Acquired: 5/31/2013 19:31:34 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.41041	-12.613	-.86331	1.1870	.19721	.03332	46.618	.0745
Stddev	.12578	19.112	.18791	.4015	.26721	.00734	.313	.0826
%RSD	30.647	151.53	21.766	33.822	135.49	22.027	.67188	110.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.02215	.42576	.10019	1.5011	-21.946	-1.6755	6.2457	.19707
Stddev	.19165	.22474	.73121	.1580	7.584	.5563	2.2367	.03091
%RSD	865.43	52.786	729.83	10.527	34.557	33.200	35.812	15.683

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.31191	41.747	-.03830	.13655	-2.450	-2.6621	.37807	.01909
Stddev	.08092	3.606	.26600	1.4292	1.385	.8811	.07026	.10665
%RSD	25.944	8.6372	694.47	1046.6	56.55	33.097	18.584	558.67

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: BLANK Acquired: 5/31/2013 19:31:34 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.66732	1.5942	2.4347	9.8403	-.09278
Stddev	.76324	.7641	.0974	.6185	2.9678
%RSD	114.37	47.932	3.9987	6.2850	3198.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6766.8	5461.7	65188.	9949.7
Stddev	56.4	30.0	98.	28.0
%RSD	.83421	.54925	.14970	.28163

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	101.68%	99.953%	99.853%	92.511%
Range				

Sample Name: BLANK Acquired: 5/31/2013 19:35:28 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.36286	-14.307	-1.0979	-.24520	.06510	-.06972	22.585	.0104
Stddev	.40281	9.005	1.2751	.14822	.15538	.03950	.850	.0822
%RSD	111.01	62.940	116.15	60.448	238.67	56.657	3.7615	792.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.08377	.04654	.56660	-.39972	-48.979	-.60741	-4.2109	.04215
Stddev	.19116	.12013	.45667	.98249	24.980	1.0537	5.3625	.01976
%RSD	228.21	258.14	80.597	245.80	51.002	173.48	127.35	46.868

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.08178	33.136	-.33061	.64042	-3.461	-.12919	.24149	-.23442
Stddev	.08070	5.042	.35427	1.0263	.842	1.3633	.15992	.10648
%RSD	98.684	15.215	107.16	160.26	24.33	1055.3	66.222	45.422

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: BLANK Acquired: 5/31/2013 19:35:28 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.48915	-.16928	2.1355	10.695	-.48105
Stddev	.44898	.67531	.0612	6.400	2.6605
%RSD	91.788	398.93	2.8636	59.842	553.06

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6740.5	5450.5	65966.	10239.
Stddev	26.4	18.3	283.	21.
%RSD	.39115	.33661	.42871	.20343

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	101.28%	99.748%	101.04%	95.199%
Range				

Sample Name: BLANK Acquired: 5/31/2013 19:39:22 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.26500	-12.791	.07732	-.85572	.32600	-.06099	63.326	-.0052
Stddev	.55150	9.488	1.4998	.14855	.01932	.00449	.661	.0731
%RSD	208.11	74.172	1939.7	17.360	5.9252	7.3579	1.0442	1415.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.10523	-.10138	-.37622	.51825	-67.545	-1.6448	-.91225	.13320
Stddev	.06398	.29534	.78452	1.2108	31.091	.9728	4.1341	.00760
%RSD	60.797	291.33	208.53	233.63	46.030	59.144	453.18	5.7065

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.06927	31.381	-.34636	-.20670	-2.958	-1.2094	.41276	-.53974
Stddev	.16756	7.946	.19479	.68781	.701	1.3197	.43626	.00113
%RSD	241.88	25.323	56.237	332.76	23.70	109.12	105.69	.21026

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: BLANK Acquired: 5/31/2013 19:39:22 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.68366	2.0635	3.7822	10.314	-.31137
Stddev	.87270	.4931	.0726	1.758	1.6160
%RSD	127.65	23.897	1.9196	17.044	519.01

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6666.4	5401.5	63781.	9695.6
Stddev	35.4	22.1	292.	41.6
%RSD	.53108	.40922	.45710	.42872

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.17%	98.853%	97.698%	90.149%
Range				

Sample Name: 240-24781-h-1-a Acquired: 5/31/2013 19:43:17 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.12883	1.4117	11.661	1174.4	4744.1	-.09455
Stddev	.21876	10.347	.825	1.5	74.0	.00593
%RSD	169.81	732.96	7.0738	.13042	1.5589	6.2762

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	93197.	-.1900	.06037	.37990	1.0150	15.642
Stddev	519.	.0816	.20780	.24869	.4042	1.329
%RSD	.55655	42.94	344.21	65.461	39.820	8.4976

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15272.	318.56	32342.	117.23	12.036	F 1253800.
Stddev	103.	2.64	55.	.18	.083	21509.
%RSD	.67651	.82922	.16898	.15427	.68919	1.7155

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500000.
Low Limit						-500000.

Sample Name: 240-24781-h-1-a Acquired: 5/31/2013 19:43:17 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.5741	-.08907	6.217	-.67568	.52554	-.47141
Stddev	.5749	.87646	1.086	1.2464	.17867	.06750
%RSD	12.568	983.97	17.46	184.47	33.997	14.319

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.2848	.26251	5.6292	3575.5	3354.2
Stddev	.9383	.55009	.0602	10.0	15.1
%RSD	73.032	209.55	1.0697	.27915	.44985

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5507.1	4869.3	56070.	9445.7
Stddev	13.2	9.8	100.	55.1
%RSD	.24036	.20077	.17859	.58384

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	82.751%	89.113%	85.885%	87.825%
Range				

Sample Name: 240-24781-h-1-a@5 Acquired: 5/31/2013 19:47:34 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.28621	-21.919	2.8749	235.57	960.40	-.05575	19088.
Stddev	.38164	17.705	.7371	1.14	1.06	.01294	3.
%RSD	133.34	80.774	25.638	.48537	.11056	23.220	.01479

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1055	-.27740	.34141	.15127	3.7531	2898.6	64.050
Stddev	.0909	.14100	.10149	.57146	1.1584	43.4	1.003
%RSD	86.23	50.828	29.725	377.77	30.866	1.4979	1.5668

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6652.5	23.860	2.3841	289890.	.96830	.14533	.9239
Stddev	27.6	.091	.1004	1919.	.13759	1.0188	1.408
%RSD	.41502	.38047	4.2099	.66181	14.210	700.99	152.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24781-h-1-a@5 Acquired: 5/31/2013 19:47:34 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.67632	.02696	-.52323	.61554	.24812	3.1847	725.88
Stddev	2.1563	.73510	.13627	.87681	1.4521	.0705	.99
%RSD	318.82	2726.8	26.044	142.45	585.24	2.2147	.13589

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	691.09
Stddev	.88
%RSD	.12695

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6182.2	5240.2	60958.	9784.6
Stddev	20.0	17.7	124.	26.5
%RSD	.32321	.33867	.20365	.27063

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.895%	95.899%	93.373%	90.976%
Range				

Sample Name: 240-24781-h-3-a Acquired: 5/31/2013 19:51:35 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.07446	65.482	2.5248	847.36	761.78	-.11034	56239.
Stddev	.35290	15.463	1.7508	.96	1.82	.03864	59.
%RSD	473.97	23.614	69.344	.11385	.23913	35.021	.10469

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0448	2.5491	.37396	4.1796	123.00	8318.4	155.15
Stddev	.0521	.3449	.05783	.4150	.27	26.9	1.63
%RSD	116.2	13.529	15.465	9.9287	.21669	.32374	1.0512

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18920.	30.800	2.0539	437410.	9.4488	.50316	-.6147
Stddev	39.	.117	.1065	5722.	.1516	1.0636	1.107
%RSD	.20409	.37953	5.1834	1.3082	1.6044	211.39	180.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24781-h-3-a Acquired: 5/31/2013 19:51:35 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .84313	.59319	.07051	1.7057	1.1614	19.032	2729.8
Stddev	.57296	.36179	.03683	.9703	.6560	.066	16.4
%RSD	67.957	60.991	52.232	56.888	56.481	.34543	.60058

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1527.3
Stddev	4.1
%RSD	.26680

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5961.3	5109.5	59734.	9788.3
Stddev	25.9	27.1	229.	38.5
%RSD	.43518	.53031	.38255	.39319

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	89.576%	93.508%	91.499%	91.011%
Range				

Sample Name: 240-24781-h-4-a Acquired: 5/31/2013 19:55:34 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.20522	23.463	2.3598	1051.8	3481.8	-.11617
Stddev	.41824	10.256	.4070	3.1	31.0	.03380
%RSD	203.80	43.710	17.246	.29875	.89117	29.096

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	104200.	.0976	-.04912	.67742	1.3870	191.51
Stddev	1601.	.0844	.08975	.11599	.5573	1.48
%RSD	1.5364	86.51	182.72	17.122	40.182	.77054

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15927.	402.04	40342.	93.485	.23827	F 1223100.
Stddev	105.	3.00	202.	.198	.10918	20896.
%RSD	.66121	.74701	.50025	.21131	45.821	1.7085

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500000.
Low Limit						-500000.

Sample Name: 240-24781-h-4-a Acquired: 5/31/2013 19:55:34 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.2306	.22977	-.4815	-1.3005	.72160	-.52500
Stddev	.1436	1.8876	1.576	1.8960	.51054	.09377
%RSD	11.668	821.55	327.3	145.79	70.750	17.861

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ti1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.84869	-.33861	19.289	3362.3	3884.7
Stddev	.41423	1.1222	.188	9.3	12.1
%RSD	48.808	331.41	.97530	.27682	.31043

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5495.3	4847.6	55389.	9535.6
Stddev	38.3	28.2	87.	157.3
%RSD	.69659	.58138	.15776	1.6491

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	82.574%	88.715%	84.843%	88.661%
Range				

Sample Name: 240-24781-h-4-a@5 Acquired: 5/31/2013 19:59:44 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.39790	6.8110	-.49308	212.33	711.40	-.05402	21813.
Stddev	.29867	2.0133	1.0701	5.44	.90	.02087	19.
%RSD	75.062	29.559	217.03	2.5636	.12658	38.625	.08586

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0103	-.07528	.55282	2.2876	47.291	3041.5	79.107
Stddev	.0419	.29859	.09686	.9172	.958	10.9	.950
%RSD	406.3	396.65	17.521	40.096	2.0260	.35797	1.2015

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8391.2	19.337	-.14567	313330.	.16179	1.0234	-1.425
Stddev	13.8	.035	.06383	5709.	.32499	.1428	1.678
%RSD	.16404	.18111	43.821	1.8221	200.87	13.956	117.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24781-h-4-a@5 Acquired: 5/31/2013 19:59:44 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.9503	.32035	-.51680	.52635	1.8106	6.8595	686.83
Stddev	.9608	.25260	.04262	.31856	.4618	.2122	9.41
%RSD	49.265	78.850	8.2471	60.522	25.505	3.0936	1.3706

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	809.73
Stddev	3.98
%RSD	.49196

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6073.2	5161.7	60985.	9879.1
Stddev	39.4	29.8	126.	96.0
%RSD	.64827	.57798	.20656	.97155

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.257%	94.463%	93.414%	91.855%
Range				

Sample Name: 240-24781-h-5-a Acquired: 5/31/2013 20:03:43 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.10343	-3.2912	1.6123	773.78	812.23	-.06907	34198.
Stddev	.37815	10.655	.8494	2.10	.33	.04230	94.
%RSD	365.62	323.74	52.680	.27129	.04020	61.242	.27352

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1243	.12841	.30241	-.24604	9.2029	5281.7	90.063
Stddev	.2160	.18868	.29237	.35480	.3769	27.1	.190
%RSD	173.8	146.93	96.680	144.20	4.0954	.51282	.21126

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12588.	47.321	.10375	228860.	.01652	-.19706	-1.897
Stddev	72.	.129	.08803	1535.	.31872	.82922	2.066
%RSD	.57402	.27198	84.849	.67085	1928.8	420.80	108.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24781-h-5-a Acquired: 5/31/2013 20:03:43 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.6785	.24379	-.40540	1.8330	1.9279	4.3547	3495.6
Stddev	.6798	.52536	.05868	.6791	.6384	.0904	18.7
%RSD	40.502	215.50	14.475	37.051	33.114	2.0763	.53462

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	791.71
Stddev	3.43
%RSD	.43313

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6211.4	5242.2	61629.	9731.0
Stddev	1.6	8.7	131.	90.9
%RSD	.02538	.16515	.21256	.93422

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	93.335%	95.936%	94.401%	90.477%
Range				

Sample Name: 240-24781-h-6-a Acquired: 5/31/2013 20:07:42 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.31496	14.411	4.1365	1043.3	2359.1	-.18104
Stddev	.44095	11.808	1.7661	2.2	8.6	.04163
%RSD	140.00	81.940	42.695	.21486	.36352	22.994

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	202510.	.1496	.12437	.80815	.41946	236.63
Stddev	1946.	.1260	.09384	.14988	.98939	1.19
%RSD	.96072	84.23	75.449	18.547	235.87	.50177

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	26496.	656.89	77502.	169.44	5.1088	F 1768100.
Stddev	267.	2.43	308.	.39	.1790	24038.
%RSD	1.0067	.36958	.39798	.22782	3.5041	1.3595

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500000.
Low Limit						-500000.

Sample Name: 240-24781-h-6-a Acquired: 5/31/2013 20:07:42 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.2176	.93878	-.3417	-1.6620	.67648	-.97225
Stddev	.2921	.76865	.6558	1.0378	.37414	.04428
%RSD	13.171	81.877	191.9	62.439	55.307	4.5547

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.1904	.85759	6.8240	2749.4	7454.1
Stddev	1.2048	1.1346	.1325	10.2	44.0
%RSD	101.20	132.30	1.9412	.36979	.59000

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5020.1	4527.4	52359.	9288.1
Stddev	7.5	7.2	41.	53.1
%RSD	.15029	.15875	.07737	.57224

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	75.434%	82.856%	80.201%	86.360%
Range				

Sample Name: CCV Acquired: 5/31/2013 20:11:51 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1042.9	26345.	525.23	5152.3	2089.7	2063.7	50248.	520.5
Stddev	3.7	23.	.33	4.7	2.1	2.2	43.	.5
%RSD	.35215	.08779	.06347	.09054	.09860	.10853	.08538	.1046

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2003.3	2037.3	2061.3	24698.	53250.	5292.2	49917.	1949.7
Stddev	1.9	14.4	7.6	45.	65.	9.9	51.	15.3
%RSD	.09605	.70658	.36753	.18284	.12269	.18624	.10306	.78713

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2071.3	50997.	1989.3	507.37	514.4	505.21	5047.3	5133.0
Stddev	2.2	263.	2.7	1.74	3.5	1.54	16.1	19.7
%RSD	.10723	.51574	.13542	.34379	.6844	.30506	.31933	.38329

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: CCV Acquired: 5/31/2013 20:11:51 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	TI1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1028.2	2123.2	2028.9	5243.3	5173.6
Stddev	3.3	1.4	7.3	111.9	8.7
%RSD	.32455	.06384	.35984	2.1331	.16873

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5921.7	5026.4	59753.	9387.3
Stddev	22.4	16.7	173.	16.9
%RSD	.37869	.33184	.28908	.18055

Sample Name: CCB Acquired: 5/31/2013 20:15:38 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.9616	-10.386	.02479	8.8853	.83081	.31255	40.007
Stddev	6.1758	10.003	.55861	.8707	.20937	.14972	9.760
%RSD	155.89	96.312	2253.3	9.7992	25.201	47.904	24.396

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1125	.36786	F 7.3052	F 7.9413	4.5580	86.820	2.3855
Stddev	.0542	.20135	11.633	12.827	1.7567	15.000	.1103
%RSD	48.21	54.735	159.24	161.53	38.541	17.277	4.6221

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			5.0000	5.0000			
Low Limit			-5.0000	-5.0000			

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18.829	7.3687	2.0600	832.57	-.07149	.00061	-1.492
Stddev	2.274	11.732	.2700	114.78	.28847	.49607	1.294
%RSD	12.076	159.21	13.104	13.786	403.50	81705.	86.79

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: CCB Acquired: 5/31/2013 20:15:38 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.00215	2.3270	F 20.032	.97027	2.8364	.79496	12.090
Stddev	.87884	.2016	29.399	.54897	4.8242	.12810	6.355
%RSD	40832.	8.6645	146.76	56.580	170.08	16.114	52.566

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			20.000				
Low Limit			-20.000				

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	2.5763
Stddev	6.5489
%RSD	254.20

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6666.9	5402.2	64202.	9817.9
Stddev	28.0	19.9	158.	90.8
%RSD	.41957	.36909	.24637	.92531

Sample Name: 240-24781-h-6-a@5 Acquired: 5/31/2013 20:19:33 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.12516	-.75561	2.6822	212.85	480.32	.05673
Stddev	.39719	14.330	2.5067	1.39	1.95	.04503
%RSD	317.34	1896.4	93.460	.65159	.40573	79.380

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	43511.	.1463	.56310	.45798	.46267	52.083
Stddev	156.	.1594	.84454	.14297	.44345	.290
%RSD	.35916	109.0	149.98	31.217	95.847	.55673

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4647.3	127.47	16404.	35.620	1.7246	F 629050.
Stddev	4.3	1.04	94.	.062	.9921	11788.
%RSD	.09269	.81605	.57487	.17539	57.530	1.8740

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500000.
Low Limit						-500000.

Sample Name: 240-24781-h-6-a@5 Acquired: 5/31/2013 20:19:33 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.80294	.64757	-2.298	-2.6312	1.9133	.16719
Stddev	.84245	.40809	2.241	.4325	2.6195	.12045
%RSD	104.92	63.019	97.52	16.435	136.91	72.043

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.2285	1.1095	4.2295	564.81	1565.9
Stddev	.6024	.7382	.7028	3.45	9.3
%RSD	49.033	66.536	16.617	.61088	.59457

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5888.1	5079.2	59039.	9761.5
Stddev	2.9	3.1	147.	33.4
%RSD	.05009	.06112	.24979	.34188

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	88.476%	92.954%	90.434%	90.761%
Range				

Sample Name: 240-24781-h-7-a Acquired: 5/31/2013 20:23:33 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.47971	-7.1945	1.1726	167.42	15.823	-.10420	112710.
Stddev	.43917	4.9902	.6003	.61	.157	.04874	826.
%RSD	91.550	69.362	51.190	.36289	.99032	46.774	.73258

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2654	.17546	.71306	.96687	8.2004	2503.6	34.720
Stddev	.1151	.05605	.03149	.63067	.2689	11.7	1.404
%RSD	43.38	31.943	4.4165	65.228	3.2792	.46636	4.0429

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	40768.	9.7665	9.2928	57082.	.82547	.01326	-3.566
Stddev	88.	.0096	.2115	87.	.59928	.39210	.945
%RSD	.21639	.09794	2.2758	.15268	72.598	2956.5	26.49

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24781-h-7-a Acquired: 5/31/2013 20:23:33 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.3740	.55824	-.35032	1.9016	.49332	12.978	6120.1
Stddev	.6850	.26812	.04821	.5076	.15910	.120	18.4
%RSD	49.855	48.030	13.761	26.695	32.251	.92287	.30025

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	962.34
Stddev	3.45
%RSD	.35892

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6416.2	5309.2	63000.	9943.2
Stddev	3.6	11.6	194.	55.8
%RSD	.05624	.21937	.30723	.56166

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.411%	97.163%	96.500%	92.450%
Range				

Sample Name: 240-24781-h-7-a@5 Acquired: 5/31/2013 20:27:31 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.38861	4.4499	.10529	32.743	3.3988	-.08187	23249.	.0354
Stddev	.32253	18.398	.73803	.206	.1855	.04286	27.	.1550
%RSD	82.996	413.44	700.97	.62857	5.4570	52.348	.11471	437.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.03800	.27406	-.16260	3.4258	506.27	7.0202	8484.1	2.1464
Stddev	.05217	.26981	.42331	.9407	35.15	.8213	23.8	.0282
%RSD	137.32	98.448	260.33	27.459	6.9432	11.699	.27995	1.3121

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.7919	12029.	.05139	.38070	-1.981	-1.1213	.10063	-.30679
Stddev	.1415	49.	.14356	.14023	1.861	.5019	.37536	.14917
%RSD	7.8987	.41026	279.35	36.834	93.96	44.760	373.01	48.622

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24781-h-7-a@5 Acquired: 5/31/2013 20:27:31 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.80749	.16104	6.1602	1236.3	195.91
Stddev	.69257	1.4263	.0548	6.9	3.05
%RSD	85.767	885.69	.88880	.55776	1.5569

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6681.1	5410.4	64333.	9963.8
Stddev	12.7	11.1	179.	48.5
%RSD	.18995	.20536	.27850	.48629

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.39%	99.015%	98.543%	92.642%
Range				

Sample Name: 240-24781-h-8-a Acquired: 5/31/2013 20:31:25 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.80292	4.4925	1.7127	38.014	19.651	-.15207	117580.
Stddev	.48101	1.9558	1.5217	1.930	.108	.03071	2165.
%RSD	59.907	43.535	88.843	5.0757	.54842	20.194	1.8412

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1920	.28188	.75705	1.2669	19.487	1150.8	19.293
Stddev	.1223	.07840	.25348	.2955	1.524	28.0	1.063
%RSD	63.71	27.813	33.483	23.325	7.8184	2.4316	5.5089

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	38380.	73.166	2.4256	13698.	93.283	.25843	-2.847
Stddev	83.	.201	.0610	35.	98.114	1.1178	1.245
%RSD	.21650	.27500	2.5143	.25659	105.18	432.55	43.73

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24781-h-8-a Acquired: 5/31/2013 20:31:25 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.41556	.33070	-.39846	2.1864	.45765	44.992	6057.6
Stddev	1.1174	.13692	.07547	.8855	.43019	29.102	12.6
%RSD	268.88	41.403	18.941	40.502	94.000	64.682	.20729

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	270.42
Stddev	2.44
%RSD	.90359

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6304.3	5179.6	63802.	10042.
Stddev	179.9	156.8	72.	48.
%RSD	2.8530	3.0275	.11312	.47491

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.730%	94.792%	97.730%	93.366%
Range				

Sample Name: 240-24781-h-9-a Acquired: 5/31/2013 20:35:25 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.38069	-2.4879	2.2762	33.166	26.510	-.06917	27131.	.3842
Stddev	.40752	11.397	1.0642	.310	.277	.05431	138.	.0677
%RSD	107.05	458.09	46.754	.93343	1.0465	78.521	.50984	17.63

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.15824	.30219	.13175	43.252	208.62	2.9086	5870.5	1.5562
Stddev	.13268	.33481	.66669	.813	17.45	.4465	74.9	.0600
%RSD	83.847	110.80	506.02	1.8806	8.3631	15.351	1.2763	3.8546

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.15907	2842.3	4.1176	-.24299	-.4395	-2.2624	.55778	-.18228
Stddev	.11099	22.1	6.6817	1.2961	1.417	.5259	.34580	.13951
%RSD	69.773	.77760	162.27	533.40	322.5	23.246	61.995	76.537

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24781-h-9-a Acquired: 5/31/2013 20:35:25 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.7167	1.3944	9.5712	8623.6	61.959
Stddev	.4739	1.9334	2.0612	45.3	5.213
%RSD	27.605	138.66	21.535	.52526	8.4128

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6689.3	5431.7	61279.	9164.9
Stddev	246.6	198.3	26.	59.2
%RSD	3.6867	3.6517	.04318	.64557

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.52%	99.405%	93.864%	85.214%
Range				

Sample Name: 240-24781-h-9-a@5 Acquired: 5/31/2013 20:39:15 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.58685	-6.0690	-.78903	5.7665	5.3353	-.08939	5484.1	.0392
Stddev	.38847	9.7071	.45663	.1777	.3091	.01034	202.7	.0940
%RSD	66.196	159.95	57.872	3.0807	5.7930	11.569	3.6952	240.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.00789	.20155	.72045	8.1025	20.766	-.91429	1183.2	.35636
Stddev	.14297	.24775	.74070	.8892	4.417	1.6719	57.0	.01709
%RSD	1812.7	122.92	102.81	10.974	21.272	182.86	4.8168	4.7967

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.02711	732.37	-.22698	-.89799	-1.867	-.87096	.04375	-.50361
Stddev	.06177	14.27	.40318	.67828	.543	1.0030	.25690	.13419
%RSD	227.83	1.9478	177.62	75.533	29.06	115.16	587.18	26.645

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24781-h-9-a@5 Acquired: 5/31/2013 20:39:15 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.2357	.55787	4.3455	1732.8	12.972
Stddev	.5241	2.0840	.1037	13.2	3.792
%RSD	42.415	373.57	2.3868	.76242	29.232

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6907.0	5551.0	66647.	10388.
Stddev	6.9	6.2	338.	77.
%RSD	.09958	.11092	.50682	.73654

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	103.79%	101.59%	102.09%	96.589%
Range				

Sample Name: 240-24781-h-10-a Acquired: 5/31/2013 20:43:08 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.08940	10.124	1.0585	154.30	15.588	-.35372	390700.
Stddev	.44614	25.324	1.0724	.61	.045	.00163	6028.
%RSD	499.07	250.15	101.32	.39472	.28830	.46186	1.5429

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3929	.34240	.40230	-.51254	160.55	2172.0	-.23681
Stddev	.0762	.07722	.06583	1.6657	.47	24.4	.48695
%RSD	19.40	22.552	16.364	325.00	.29125	1.1231	205.63

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	119940.	93.877	.05955	47974.	8.8240	-1.1489	-3.954
Stddev	633.	.386	.10057	176.	8.8050	.5008	1.534
%RSD	.52815	.41105	168.87	.36601	99.784	43.585	38.79

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24781-h-10-a Acquired: 5/31/2013 20:43:08 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .47282	.27024	- .76882	2.3571	-1.4193	13.103	5951.5
Stddev	2.1813	.40188	.07141	1.3157	1.7141	3.042	43.4
%RSD	461.33	148.71	9.2881	55.820	120.78	23.213	.72975

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	741.39
Stddev	4.39
%RSD	.59248

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6134.3	5117.1	58203.	9256.0
Stddev	72.6	62.6	137.	62.6
%RSD	1.1841	1.2230	.23497	.67655

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.176%	93.647%	89.154%	86.061%
Range				

Sample Name: 240-24819-i-2-a Acquired: 5/31/2013 20:47:06 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.19497	100.45	16.627	29.324	332.57	-.12828	73820.	-.0030
Stddev	.11839	13.59	.548	.232	.30	.03974	504.	.0697
%RSD	60.726	13.525	3.2976	.79060	.08902	30.978	.68323	2286.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.46959	.80395	.07754	4815.8	1297.0	-2.4901	30156.	82.535
Stddev	.07402	.25992	.79136	13.5	30.9	.6570	89.	.196
%RSD	15.763	32.330	1020.6	.27935	2.3845	26.384	.29351	.23793

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.5208	10671.	.02846	.09243	-1.976	-.93576	.39747	.86292
Stddev	.0938	18.	.21014	.39192	2.049	2.3221	.20340	.05852
%RSD	2.6634	.17162	738.47	424.00	103.7	248.15	51.173	6.7822

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24819-i-2-a Acquired: 5/31/2013 20:47:06 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.3203	1.8339	3.2774	5732.3	1064.9
Stddev	.5701	2.2851	.0460	21.4	5.2
%RSD	24.572	124.61	1.4026	.37374	.48394

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6616.4	5421.7	64955.	10317.
Stddev	11.4	2.6	62.	16.
%RSD	.17175	.04729	.09488	.15189

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.419%	99.221%	99.495%	95.924%
Range				

Sample Name: 240-24819-i-3-a Acquired: 5/31/2013 20:51:03 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.02228	.84225	.14213	63.240	135.68	-.12075	65943.	.1225
Stddev	.75211	16.286	1.0013	.241	.42	.01260	138.	.0926
%RSD	3375.1	1933.6	704.49	.38062	.30725	10.436	.20905	75.63

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.09086	.30585	1.0203	18.678	3151.2	-2.1383	26343.	1.3238
Stddev	.07777	.26099	.6349	2.213	29.7	.5588	71.	.0169
%RSD	85.594	85.333	62.221	11.848	.94255	26.132	.27079	1.2742

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.2195	40358.	1.1364	.52872	-.2833	-2.3415	.12657	-.46945
Stddev	.1183	88.	.3675	.68472	.8348	2.1410	.12519	.04235
%RSD	3.6759	.21779	32.336	129.51	294.7	91.434	98.913	9.0222

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24819-i-3-a Acquired: 5/31/2013 20:51:03 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.3209	1.1328	5.3895	3121.9	738.62
Stddev	.6506	.3317	.0441	14.5	2.24
%RSD	49.256	29.279	.81786	.46309	.30303

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6510.3	5366.1	63896.	10186.
Stddev	18.9	17.8	290.	67.
%RSD	.28976	.33170	.45308	.65308

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.826%	98.204%	97.873%	94.707%
Range				

Sample Name: 240-24819-i-4-a Acquired: 5/31/2013 20:54:57 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.05158	4.6408	4.4444	123.43	490.94	-.11033	95467.	.0761
Stddev	.10781	4.1961	2.4910	.37	.60	.06375	2195.	.0685
%RSD	209.02	90.417	56.048	.29584	.12206	57.776	2.2989	89.97

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.29593	.75198	.07342	9877.0	6613.7	-1.3729	29142.	172.46
Stddev	.10653	.03379	.04690	24.6	13.5	2.4111	59.	.73
%RSD	35.999	4.4930	63.887	.24923	.20486	175.62	.20328	.42085

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.3351	40450.	1.9921	.11777	-2.669	-1.6514	.42317	-.46964
Stddev	.1877	136.	.4263	.28241	.383	1.4411	.47714	.02965
%RSD	4.3297	.33734	21.400	239.80	14.37	87.265	112.75	6.3136

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24819-i-4-a Acquired: 5/31/2013 20:54:57 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.6797	-.16486	6.6663	6406.7	767.56
Stddev	.5075	1.4516	.0284	4.6	1.11
%RSD	30.215	880.51	.42532	.07142	.14403

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6489.2	5380.9	64206.	10288.
Stddev	23.6	18.4	557.	51.
%RSD	.36354	.34123	.86750	.49568

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.509%	98.474%	98.348%	95.657%
Range				

Sample Name: CCV Acquired: 5/31/2013 20:58:58 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	988.58	24961.	511.16	4996.9	1997.5	1985.8	49084.	502.9
Stddev	12.35	162.	2.23	8.2	3.5	5.9	79.	.5
%RSD	1.2497	.64856	.43538	.16335	.17322	.29896	.16123	.0970

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1952.1	1966.5	1965.4	23993.	51228.	5113.0	48405.	1904.2
Stddev	2.6	34.1	24.1	18.	150.	5.2	60.	15.3
%RSD	.13535	1.7330	1.2257	.07500	.29304	.10260	.12392	.80315

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2033.9	50422.	1941.7	497.38	497.5	491.32	4836.4	4992.6
Stddev	2.5	113.	2.5	2.40	.5	1.92	2.4	24.0
%RSD	.12325	.22414	.12873	.48306	.0925	.39137	.05010	.48055

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: CCV Acquired: 5/31/2013 20:58:58 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1008.3	2022.9	1980.6	5039.6	4874.7
Stddev	3.4	11.4	2.4	102.7	20.5
%RSD	.33432	.56167	.12028	2.0381	.41981

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6267.5	5294.8	62693.	9929.0
Stddev	13.9	13.7	482.	24.9
%RSD	.22118	.25847	.76947	.25065

Sample Name: CCB Acquired: 5/31/2013 21:02:47 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.1975	4.1361	.60829	7.1072	.89994	.46016	31.533	.1369
Stddev	3.2846	13.180	2.3491	.8087	.07191	.06464	3.860	.0397
%RSD	149.47	318.66	386.18	11.379	7.9903	14.047	12.241	29.02

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.44872	4.0587	4.6091	7.5363	6.5744	1.7185	19.508	3.9296
Stddev	.09073	6.2629	5.1986	1.5064	33.614	1.9333	6.132	5.8624
%RSD	20.220	154.31	112.79	19.988	511.29	112.50	31.435	149.19

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.0419	142.74	.20149	.09643	-.2433	-1.3477	2.2357	11.297
Stddev	.2696	4.16	.26420	.45337	.5421	1.1609	.7230	14.660
%RSD	13.202	2.9133	131.13	470.18	222.8	86.140	32.338	129.77

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB Acquired: 5/31/2013 21:02:47 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.1191	3.6183	.90326	11.138	-1.0163
Stddev	.7013	2.0911	.11056	8.263	1.7805
%RSD	62.665	57.793	12.240	74.190	175.19

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6610.9	5327.8	65069.	9941.8
Stddev	21.5	17.5	788.	105.2
%RSD	.32482	.32762	1.2114	1.0581

Sample Name: 240-24819-i-5-a Acquired: 5/31/2013 21:06:42 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.2968	28.235	7.5483	39.656	234.17	.04087	80500.	.2384
Stddev	4.2125	6.074	1.6025	.400	.51	.00926	191.	.1101
%RSD	183.41	21.511	21.230	1.0086	.21639	22.668	.23665	46.17

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.48033	5.5732	5.5372	1867.6	1662.3	-.61178	29515.	61.507
Stddev	.12799	8.0990	8.7335	3.9	24.8	.83015	61.	6.848
%RSD	26.646	145.32	157.72	.20758	1.4899	135.69	.20563	11.134

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.7072	11447.	.47264	.10313	-1.822	-1.8375	.53480	12.854
Stddev	.2271	14.	.08504	.63325	2.990	1.3681	.14053	20.961
%RSD	8.3870	.12197	17.993	614.03	164.1	74.451	26.277	163.07

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24819-i-5-a Acquired: 5/31/2013 21:06:42 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.4384	-.25060	5.2434	5135.7	932.53
Stddev	.2352	1.4741	.1194	3.2	2.08
%RSD	16.349	588.21	2.2763	.06137	.22331

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6541.3	5371.0	63896.	10101.
Stddev	14.1	11.0	616.	57.
%RSD	.21525	.20534	.96385	.56378

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.291%	98.293%	97.874%	93.914%
Range				

Sample Name: 240-24819-i-6-a Acquired: 5/31/2013 21:10:41 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.11115	33.191	31.126	189.23	670.08	-.10812	103460.
Stddev	.30237	12.592	1.891	.48	.34	.01967	1684.
%RSD	272.05	37.937	6.0759	.25508	.05025	18.192	1.6279

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0697	.17630	.84510	.29851	13419.	12181.	2.4357
Stddev	.1092	.22494	.08711	.18268	27.	34.	1.4795
%RSD	156.8	127.59	10.308	61.199	.20145	.27811	60.744

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	33120.	79.750	8.1383	42651.	3.5460	-.73073	-3.796
Stddev	96.	.117	.1093	39.	.2187	.35633	1.565
%RSD	.28986	.14688	1.3428	.09060	6.1667	48.763	41.23

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24819-i-6-a Acquired: 5/31/2013 21:10:41 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.8790	.30501	.20044	1.5041	.86186	5.6399	8521.1
Stddev	1.9875	.57420	.06418	.6625	.77773	.0474	14.1
%RSD	105.77	188.26	32.017	44.049	90.238	.84002	.16541

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	767.30
Stddev	3.76
%RSD	.49014

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6466.2	5386.6	64199.	10252.
Stddev	14.4	7.0	458.	67.
%RSD	.22217	.12933	.71372	.65176

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.163%	98.579%	98.338%	95.318%
Range				

Sample Name: 240-24819-i-7-a Acquired: 5/31/2013 21:14:40 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.00329	3.8741	15.640	83.442	351.44	-.12888	89348.	.0159
Stddev	.10634	6.9712	1.522	.662	1.39	.04510	859.	.0796
%RSD	3231.6	179.94	9.7317	.79302	.39526	34.991	.96089	500.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.6725	.78658	-.17794	5882.1	4299.6	-.50479	25494.	218.47
Stddev	.3388	.10642	.98409	20.7	49.6	1.1378	67.	.51
%RSD	20.257	13.529	553.05	.35127	1.1532	225.41	.26241	.23267

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.6433	38724.	3.1207	.01089	-2.246	-1.5271	.66881	-.32378
Stddev	.1424	222.	.2660	1.6350	1.763	1.3023	.99567	.04870
%RSD	2.5230	.57411	8.5234	15019.	78.49	85.282	148.87	15.042

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24819-i-7-a Acquired: 5/31/2013 21:14:40 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.8392	1.2231	4.9834	6251.3	673.07
Stddev	.1811	1.8607	.1905	7.4	6.44
%RSD	9.8470	152.13	3.8218	.11888	.95703

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6523.8	5379.5	63412.	10078.
Stddev	17.1	8.5	195.	63.
%RSD	.26245	.15862	.30689	.62355

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.029%	98.449%	97.132%	93.705%
Range				

Sample Name: 240-24819-i-8-a Acquired: 5/31/2013 21:18:39 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.34476	18.409	17.602	153.94	602.17	-.12788	112140.
Stddev	.21913	21.053	.566	.53	.95	.04747	1308.
%RSD	63.558	114.36	3.2162	.34629	.15758	37.120	1.1665

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1869	.27791	.61695	-.60390	11446.	8961.0	2.6564
Stddev	.0996	.14474	.23503	.59201	19.	55.1	.4385
%RSD	53.27	52.081	38.095	98.031	.16944	.61453	16.507

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	35220.	96.756	6.2654	44499.	2.4833	-.62099	-2.105
Stddev	84.	.091	.2441	94.	.2417	1.6180	1.583
%RSD	.23772	.09420	3.8956	.21035	9.7346	260.56	75.21

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24819-i-8-a Acquired: 5/31/2013 21:18:39 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.3517	.33946	-.03284	1.9389	.85761	5.6838	8165.8
Stddev	1.8639	.19809	.05356	.5963	.98354	.0888	23.2
%RSD	79.258	58.353	163.10	30.755	114.68	1.5627	.28378

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	783.69
Stddev	4.19
%RSD	.53493

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6427.9	5375.3	62749.	9867.1
Stddev	57.2	46.6	59.	54.1
%RSD	.88960	.86634	.09352	.54827

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.588%	98.372%	96.117%	91.743%
Range				

Sample Name: 240-24819-i-9-a Acquired: 5/31/2013 21:22:39 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-0.00287	13.762	10.608	99.341	648.99	-1.13744	113070.
Stddev	.27886	5.739	1.450	.533	2.54	.03518	552.
%RSD	9713.7	41.704	13.668	.53606	.39148	25.595	.48804

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1570	.18410	.81801	-.11758	12636.	6157.4	1.4000
Stddev	.0847	.13435	.31221	.25309	20.	27.3	.3871
%RSD	53.91	72.977	38.167	215.26	.15957	.44374	27.649

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	29639.	149.67	5.9129	37163.	1.5310	-.65984	-3.220
Stddev	79.	.17	.2460	157.	.4155	.14244	.480
%RSD	.26579	.11105	4.1606	.42335	27.143	21.587	14.91

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24819-i-9-a Acquired: 5/31/2013 21:22:39 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.5641	.45408	-.08775	2.0714	-.75763	11.257	7073.8
Stddev	.7754	.52922	.03289	.4387	1.7348	.063	21.4
%RSD	49.573	116.55	37.483	21.178	228.98	.55825	.30184

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	741.52
Stddev	2.97
%RSD	.40024

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6488.1	5416.9	64155.	10171.
Stddev	20.2	14.8	120.	31.
%RSD	.31130	.27341	.18765	.30345

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.492%	99.133%	98.271%	94.565%
Range				

Sample Name: 240-24819-i-10-a Acquired: 5/31/2013 21:26:35 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.46885	8.0903	11.554	97.311	642.30	-.11553	111640.
Stddev	.57130	9.8059	.601	.280	1.89	.02850	460.
%RSD	121.85	121.21	5.1987	.28821	.29381	24.671	.41230

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1281	.11853	.78737	.10695	12641.	6082.9	1.0898
Stddev	.0187	.18563	.25660	.96295	32.	41.8	1.0085
%RSD	14.62	156.61	32.590	900.38	.25511	.68652	92.535

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	29520.	147.84	5.8531	36832.	1.6134	-.38529	-3.820
Stddev	82.	.28	.1038	103.	.2620	.57682	1.674
%RSD	.27916	.18850	1.7730	.27964	16.240	149.71	43.82

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24819-i-10-a Acquired: 5/31/2013 21:26:35 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.5142	.40275	-.17011	1.8001	.61847	4.8206	7054.1
Stddev	.1543	.29235	.09984	.2851	.33194	.1252	18.1
%RSD	10.192	72.588	58.693	15.837	53.672	2.5973	.25727

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	731.58
Stddev	1.18
%RSD	.16177

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6446.6	5380.9	62885.	9939.9
Stddev	17.0	11.3	152.	28.3
%RSD	.26303	.21058	.24187	.28476

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.869%	98.475%	96.326%	92.420%
Range				

Sample Name: 240-24819-i-11-a Acquired: 5/31/2013 21:30:34 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.55071	-18.771	8.3055	27.049	416.38	-.12691	82313.	.0383
Stddev	.24154	5.580	.7872	.235	.44	.04149	161.	.1315
%RSD	43.860	29.725	9.4776	.86938	.10632	32.689	.19565	343.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.01880	.45751	.12429	2606.8	1464.6	-1.6052	31980.	105.43
Stddev	.14899	.21775	.29607	3.2	17.6	1.4449	19.	.10
%RSD	792.47	47.595	238.22	.12192	1.2005	90.010	.05978	.09632

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.8779	7599.5	.23169	-.98020	-1.288	-.40537	.62708	-.57625
Stddev	.1371	5.3	.12039	.68395	.281	1.9464	.08445	.15524
%RSD	4.7632	.06960	51.965	69.777	21.86	480.15	13.468	26.939

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24819-i-11-a Acquired: 5/31/2013 21:30:34 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.9313	1.6632	5.3669	5672.5	697.77
Stddev	.9263	.8952	.0472	22.0	3.52
%RSD	47.961	53.822	.87957	.38750	.50479

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6643.5	5488.9	64643.	10290.
Stddev	18.4	15.5	146.	40.
%RSD	.27764	.28240	.22510	.38882

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.828%	100.45%	99.018%	95.673%
Range				

Sample Name: mb 240-87457/1-a Acquired: 5/31/2013 21:34:34 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.32786	.36130	.73638	-1.6317	1.0830	-.04593	215.08
Stddev	.23604	6.8854	1.5583	.4856	.1030	.02375	3.33
%RSD	71.995	1905.7	211.61	29.760	9.5130	51.717	1.5489

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0969	.05434	.13893	1.7800	16.183	3.5094	-1.3999
Stddev	.0556	.20681	.18902	.4269	.533	9.5059	.5475
%RSD	57.35	380.55	136.06	23.981	3.2910	270.87	39.107

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	58.837	.61271	-.26657	144.34	-.54948	.96831	-1.923
Stddev	10.557	.00786	.16225	5.32	.19932	.10174	1.767
%RSD	17.943	1.2826	60.866	3.6865	36.274	10.507	91.86

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: mb 240-87457/1-a Acquired: 5/31/2013 21:34:34 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .86499	.27206	- .70781	1.2983	- .23105	F 46.264	7.7995
Stddev	1.5293	.17130	.11609	1.3652	1.5789	.512	2.1429
%RSD	176.80	62.964	16.402	105.15	683.35	1.1062	27.474

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						20.000	
Low Limit						-1000.0	

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	.37059
Stddev	.72946
%RSD	196.84

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6971.0	5674.3	66568.	10182.
Stddev	35.1	31.1	67.	19.
%RSD	.50316	.54745	.10003	.18418

Sample Name: lcs 240-87457/2-a Acquired: 5/31/2013 21:38:26 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47.853	1827.0	1900.8	944.00	1869.1	46.320	46359.	46.65
Stddev	.165	21.0	3.4	.52	3.9	.040	29.	.04
%RSD	.34492	1.1506	.17661	.05528	.21059	.08726	.06197	.0890

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	461.87	188.58	232.45	911.39	47547.	929.26	45900.	464.87
Stddev	.55	.46	1.23	2.50	12.	1.78	135.	1.04
%RSD	.11944	.24405	.52874	.27472	.02449	.19193	.29403	.22302

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	942.27	47126.	464.22	466.87	459.8	1876.5	1808.0	939.92
Stddev	1.35	41.	.38	1.15	2.1	4.6	2.2	2.01
%RSD	.14287	.08655	.08246	.24665	.4489	.24610	.12405	.21404

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: lcs 240-87457/2-a Acquired: 5/31/2013 21:38:26 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1891.6	475.02	514.92	927.53	894.52
Stddev	4.4	.68	1.09	12.96	4.29
%RSD	.23430	.14277	.21109	1.3968	.47913

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6413.1	5390.6	63089.	9981.7
Stddev	26.5	21.1	165.	52.6
%RSD	.41330	.39070	.26093	.52678

Sample Name: 190-855-a-1-a Acquired: 5/31/2013 21:42:04 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.44201	-10.392	45.470	28.987	244.51	-.10296	84662.	.0596
Stddev	.43912	16.571	.126	.252	.41	.01050	575.	.1092
%RSD	99.346	159.46	.27781	.86866	.16851	10.195	.67967	183.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.18949	.42337	.33112	13021.	1420.6	3.5202	29396.	33.256
Stddev	.06826	.22878	.27712	12.	34.7	.7338	81.	.119
%RSD	36.025	54.037	83.692	.09314	2.4417	20.846	.27629	.35762

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11.484	7979.2	-.41667	-.63349	-1.952	-.33314	1.4631	-.03255
Stddev	.131	8.6	.19677	.61067	2.090	.35215	.1657	.14193
%RSD	1.1445	.10828	47.224	96.398	107.1	105.71	11.324	436.11

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 190-855-a-1-a Acquired: 5/31/2013 21:42:04 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.2980	.77784	5.1568	8552.3	637.30
Stddev	.3861	.86481	.0747	22.5	3.65
%RSD	16.800	111.18	1.4484	.26282	.57306

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6605.7	5476.4	63747.	9889.5
Stddev	21.5	12.7	77.	67.4
%RSD	.32488	.23149	.12068	.68183

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.259%	100.22%	97.645%	91.951%
Range				

Sample Name: CCV Acquired: 5/31/2013 21:46:06 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	994.95	24678.	512.00	5004.4	1984.8	1984.7	49568.	501.9
Stddev	1.71	187.	1.88	3.6	8.6	12.4	98.	.2
%RSD	.17169	.75666	.36713	.07255	.43544	.62560	.19735	.0336

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1974.2	1989.9	1961.4	23922.	50778.	5067.5	49067.	1932.9
Stddev	3.3	1.4	1.1	93.	342.	24.9	263.	11.5
%RSD	.16748	.06857	.05387	.38732	.67404	.49127	.53582	.59653

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2023.0	50232.	1966.0	499.21	492.3	493.70	4934.4	5018.0
Stddev	2.4	296.	4.7	1.03	3.5	1.48	5.1	39.4
%RSD	.11722	.58826	.23742	.20693	.7010	.30010	.10239	.78455

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: CCV Acquired: 5/31/2013 21:46:06 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1017.4	2000.8	2029.0	5017.2	4873.4
Stddev	1.1	14.3	6.6	103.0	42.6
%RSD	.10592	.71312	.32569	2.0528	.87411

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6265.4	5341.0	62783.	9887.5
Stddev	24.1	14.8	223.	46.9
%RSD	.38522	.27648	.35546	.47431

Sample Name: CCB Acquired: 5/31/2013 21:49:56 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.32677	6.3084	1.3063	18.944	.89122	.31703	22.402	F 1.159
Stddev	.22816	14.604	2.2302	20.258	.04331	.02707	1.346	1.935
%RSD	69.823	231.50	170.73	106.94	4.8594	8.5396	6.0088	167.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit								1.000
Low Limit								-1.000

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.7589	.32962	1.0981	5.9620	51.466	1.4602	16.940	.47828
Stddev	7.4585	.35774	.2399	1.6530	33.431	1.0625	10.438	.07529
%RSD	156.73	108.53	21.844	27.725	64.957	72.769	61.615	15.741

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.1613	96.160	4.7332	1.9601	.6323	.34276	13.470	2.5800
Stddev	8.0193	8.325	7.3881	1.8628	1.899	2.4377	18.219	.1349
%RSD	111.98	8.6573	156.09	95.040	300.3	711.20	135.26	5.2298

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB Acquired: 5/31/2013 21:49:56 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	3.0180	2.1463	5.3268	13.530	-.21199
Stddev	4.0500	.4039	7.3181	4.269	2.4602
%RSD	134.20	18.817	137.38	31.552	1160.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6853.8	5548.1	65727.	9792.5
Stddev	19.6	17.5	142.	106.4
%RSD	.28656	.31516	.21623	1.0868

Sample Name: SD 190-855-a-1-a@5 Acquired: 5/31/2013 21:53:50 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.08318	4.2105	9.9220	7.6409	50.016	.07926	17712.	.0575
Stddev	.09988	9.8896	1.1554	.2888	.257	.03065	39.	.0495
%RSD	120.08	234.88	11.645	3.7801	.51376	38.666	.22262	86.11

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.11251	.31737	.79714	2703.8	295.96	2.8257	6120.3	7.1682
Stddev	.34323	.17983	.72168	7.0	18.35	1.1528	27.2	.0446
%RSD	305.07	56.663	90.533	.25940	6.2007	40.797	.44503	.62223

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.4632	1654.4	-.20909	-.61159	-2.191	-.08495	.68884	.24958
Stddev	.2245	6.1	.24589	.62258	.659	.89044	.46791	.04610
%RSD	9.1157	.36630	117.60	101.80	30.08	1048.2	67.928	18.470

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: SD 190-855-a-1-a@5 Acquired: 5/31/2013 21:53:50 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.99611	-.20572	3.5652	1745.0	128.74
Stddev	1.0750	1.6720	.1327	7.8	1.48
%RSD	107.92	812.72	3.7213	.44911	1.1515

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6879.0	5606.3	65432.	10021.
Stddev	13.8	10.9	180.	61.
%RSD	.20071	.19511	.27527	.61123

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	103.37%	102.60%	100.23%	93.174%
Range				

Sample Name: 190-855-a-1-b.ms Acquired: 5/31/2013 21:57:41 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	52.077	2048.0	2114.7	1064.5	2304.2	51.191	138290.
Stddev	.596	9.4	28.9	13.2	4.2	.288	1191.
%RSD	1.1450	.46055	1.3689	1.2445	.18296	.56206	.86146

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50.30	502.27	207.52	254.89	14286.	54329.	1039.3
Stddev	.66	7.60	.69	.31	44.	105.	1.8
%RSD	1.319	1.5129	.33302	.12137	.30849	.19353	.17413

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	80807.	547.64	1036.2	60104.	502.93	500.01	499.5
Stddev	170.	.71	16.2	115.	7.98	6.70	8.3
%RSD	.20986	.12909	1.5630	.19076	1.5857	1.3391	1.653

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 190-855-a-1-b.ms Acquired: 5/31/2013 21:57:41 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2016.5	1987.3	1037.3	2048.4	526.32	519.58	9840.2
Stddev	21.9	27.0	1.1	32.2	4.52	8.70	52.1
%RSD	1.0852	1.3576	.10499	1.5710	.85865	1.6746	.52899

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1624.8
Stddev	2.5
%RSD	.15134

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6112.0	5211.4	59212.	9357.4
Stddev	102.8	87.0	39.	7.3
%RSD	1.6822	1.6703	.06529	.07809

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.840%	95.373%	90.698%	87.003%
Range				

Sample Name: 190-855-a-1-c msd Acquired: 5/31/2013 22:01:28 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50.738	1952.4	2104.8	1061.8	2249.9	49.623	135630.
Stddev	.655	22.5	1.7	2.5	1.5	.146	1159.
%RSD	1.2905	1.1506	.08250	.23681	.06541	.29406	.85427

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49.99	496.79	199.01	248.66	13803.	52413.	1010.9
Stddev	.15	.09	.99	.20	6.	234.	3.5
%RSD	.2949	.01871	.49767	.07942	.04074	.44591	.34609

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	77591.	526.51	1031.6	58085.	497.53	495.68	499.2
Stddev	98.	6.62	.9	208.	.87	1.89	1.6
%RSD	.12667	1.2566	.08822	.35869	.17451	.38206	.3248

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 190-855-a-1-c msd Acquired: 5/31/2013 22:01:28 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2007.8	1959.9	1002.5	2031.4	504.85	509.60	9551.0
Stddev	4.0	6.1	10.1	2.0	4.59	.16	13.8
%RSD	.19959	.31372	1.0118	.10044	.91005	.03186	.14441

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1566.2
Stddev	8.2
%RSD	.52247

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6311.0	5368.6	62987.	10023.
Stddev	4.5	.8	344.	22.
%RSD	.07155	.01511	.54564	.21886

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.831%	98.249%	96.482%	93.196%
Range				

Sample Name: 190-854-a-1-a Acquired: 5/31/2013 22:05:14 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.30977	43.712	5.8867	92.844	4.1848	-.00812	24682.	.0132
Stddev	.45899	10.376	3.9595	1.592	2.6545	.08866	111.	.1687
%RSD	148.17	23.739	67.262	1.7150	63.433	1092.6	.44787	1281.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.0810	2.5164	3.6184	55.199	10809.	3.8499	7072.9	248.21
Stddev	.9469	.2120	.3020	16.573	86.	2.2136	69.7	.11
%RSD	87.596	8.4242	8.3471	30.025	.79592	57.496	.98521	.04455

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	26.382	61532.	321.97	1.7077	2.993	3.0908	38.225	.51185
Stddev	2.106	58.	.73	2.3964	2.020	4.5955	4.296	.07294
%RSD	7.9830	.09351	.22684	140.33	67.47	148.69	11.238	14.249

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 190-854-a-1-a Acquired: 5/31/2013 22:05:14 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	4.9390	.83317	208.57	2111.2	34.915
Stddev	5.1365	1.3235	.68	9.4	1.963
%RSD	104.00	158.85	.32370	.44530	5.6212

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6673.4	5515.9	64551.	10205.
Stddev	8.5	8.1	283.	39.
%RSD	.12753	.14774	.43908	.38540

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.28%	100.95%	98.877%	94.880%
Range				

Sample Name: mb 240-87274/1-a Acquired: 5/31/2013 22:09:01 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.24583	.94773	.79939	.07176	1.7487	-.05390	186.11	.0080
Stddev	.07258	8.9133	.57589	.20065	.1539	.03757	7.20	.0396
%RSD	29.525	940.50	72.041	279.63	8.8001	69.694	3.8670	496.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.02550	.27181	1.4492	19.204	91.540	2.5235	56.366	.79982
Stddev	.09689	.31949	.5302	.331	15.013	.8038	16.353	.02474
%RSD	379.95	117.54	36.589	1.7225	16.401	31.852	29.013	3.0927

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.47611	173.25	.18978	.30993	-.1815	1.2197	29.626	-.12527
Stddev	.22606	15.36	.29993	1.5113	1.717	1.1510	.252	.02814
%RSD	47.481	8.8681	158.04	487.63	945.8	94.368	.84956	22.464

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: mb 240-87274/1-a Acquired: 5/31/2013 22:09:01 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.28766	.95866	7.8604	21.218	.62571
Stddev	.22966	2.2211	.0922	.284	2.0668
%RSD	79.836	231.69	1.1731	1.3391	330.31

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6789.7	5555.2	64788.	9609.4
Stddev	9.4	7.0	599.	34.7
%RSD	.13909	.12556	.92429	.36071

Sample Name: lcs 240-87274/2-a Acquired: 5/31/2013 22:12:53 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	45.272	1853.3	1840.7	894.87	1866.1	46.533	46501.	45.30
Stddev	.296	7.5	6.3	2.73	11.1	.254	347.	.05
%RSD	.65471	.40425	.34153	.30501	.59461	.54525	.74573	.1121

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	457.97	187.03	227.19	941.59	47362.	933.25	46450.	462.86
Stddev	1.73	.86	.78	5.44	242.	2.74	382.	.56
%RSD	.37772	.46124	.34328	.57822	.51081	.29352	.82323	.12100

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	941.01	46954.	460.95	462.95	444.8	1780.8	1806.6	933.45
Stddev	3.64	268.	1.39	2.72	.8	5.0	5.9	.27
%RSD	.38648	.57101	.30126	.58727	.1866	.28049	.32786	.02940

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: lcs 240-87274/2-a Acquired: 5/31/2013 22:12:53 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1862.3	478.75	474.78	869.89	901.34
Stddev	8.5	4.50	2.83	3.88	3.65
%RSD	.45852	.94033	.59571	.44627	.40509

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6390.6	5373.9	63113.	9668.7
Stddev	39.3	39.6	142.	145.7
%RSD	.61510	.73622	.22421	1.5070

Sample Name: 240-24831-d-41-a Acquired: 5/31/2013 22:16:31 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.74064	17457.	8.8061	22.927	111.83	1.5386	4229.6	.1258
Stddev	.08015	7.	1.8650	.067	.24	.0366	5.9	.0833
%RSD	10.822	.03966	21.179	.29403	.21558	2.3767	.13983	66.23

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21.354	36.632	69.035	43566.	2872.5	38.481	9768.7	596.13
Stddev	.186	.352	.438	28.	24.9	.470	14.0	.32
%RSD	.87215	.96090	.63385	.06403	.86684	1.2225	.14289	.05443

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.2081	647.86	50.770	8.3278	-.5211	.31435	13.959	806.99
Stddev	.1162	2.12	.357	.1742	1.172	1.1752	.368	1.64
%RSD	9.6144	.32670	.70251	2.0911	224.9	373.86	2.6368	.20289

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24831-d-41-a Acquired: 5/31/2013 22:16:31 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.01795	97.255	73.819	1244.0	23.034
Stddev	.89455	1.352	.062	7.5	4.043
%RSD	4984.6	1.3901	.08410	.60334	17.552

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6760.6	5960.1	69042.	10484.
Stddev	10.6	7.2	352.	30.
%RSD	.15607	.12004	.51013	.29016

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	101.59%	109.07%	105.76%	97.476%
Range				

Sample Name: SD240-24831-d-41-a@5 Acquired: 5/31/2013 22:20:19 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.46071	3831.7	3.0213	4.4407	32.123	.44190	1173.5	-.1352
Stddev	.16751	84.3	.6829	.0729	12.643	.28041	394.5	.0811
%RSD	36.358	2.1989	22.602	1.6407	39.357	63.455	33.619	59.99

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.1869	7.8377	15.562	9491.0	835.64	13.690	2315.9	129.46
Stddev	.1350	.1116	.857	118.7	313.68	5.994	338.1	.15
%RSD	3.2240	1.4244	5.5059	1.2502	37.538	43.783	14.600	.11415

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.14460	414.04	10.441	2.3520	-.6929	-.31091	3.1405	172.79
Stddev	.02095	384.65	.296	.3815	.8319	1.1501	.2400	.13
%RSD	14.491	92.901	2.8370	16.220	120.1	369.91	7.6414	.07763

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: SD240-24831-d-41-a@5 Acquired: 5/31/2013 22:20:19 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.0441	22.940	17.312	278.21	10.700
Stddev	.8181	4.402	.123	17.87	3.654
%RSD	78.355	19.190	.70964	6.4228	34.148

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6880.9	5712.0	66106.	10080.
Stddev	21.5	19.6	139.	117.
%RSD	.31194	.34345	.21019	1.1578

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	103.39%	104.53%	101.26%	93.722%
Range				

Sample Name: 240-24831-d-41-b.ms Acquired: 5/31/2013 22:24:10 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	42.036	32717.	1757.6	903.89	1906.2	46.185	49040.	43.17
Stddev	.221	108.	14.6	7.44	1.2	.114	48.	.33
%RSD	.52673	.33121	.83272	.82323	.06470	.24683	.09888	.7580

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	487.07	218.79	299.42	50626.	49943.	943.47	57149.	1257.5
Stddev	3.76	.37	.53	79.	72.	.99	67.	1.1
%RSD	.77131	.16933	.17674	.15687	.14464	.10531	.11746	.08374

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	886.97	45257.	522.84	446.10	285.8	1682.5	1747.2	1844.5
Stddev	7.23	20.	3.67	2.22	1.8	12.1	10.6	1.0
%RSD	.81537	.04442	.70290	.49724	.6300	.71791	.60626	.05333

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: 240-24831-d-41-b.ms Acquired: 5/31/2013 22:24:10 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1861.2	559.17	554.66	5133.6	879.92
Stddev	11.1	1.30	3.33	3.8	3.89
%RSD	.59832	.23252	.60022	.07405	.44208

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6292.1	5602.5	65334.	10259.
Stddev	21.7	19.0	173.	23.
%RSD	.34435	.33982	.26510	.22339

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 Value 94.547% 102.53% 100.08% 95.391%
 Range

Sample Name: 240-24831-d-41-c msd Acquired: 5/31/2013 22:27:48 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	41.451	29141.	1767.3	883.10	1879.8	45.767	49110.	43.12
Stddev	.237	31.	6.5	2.13	3.1	.047	49.	.03
%RSD	.57182	.10731	.36993	.24078	.16733	.10302	.10033	.0799

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	485.21	222.25	289.40	47785.	48772.	932.41	56312.	1193.7
Stddev	1.64	.68	1.21	28.	59.	2.73	65.	2.3
%RSD	.33697	.30403	.41848	.05951	.12014	.29278	.11599	.19294

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	886.16	44922.	520.50	450.79	266.7	1674.7	1746.7	1787.4
Stddev	3.47	81.	.86	2.05	.7	3.4	3.8	.5
%RSD	.39211	.18128	.16554	.45447	.2640	.20350	.21992	.02922

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: 240-24831-d-41-c msd Acquired: 5/31/2013 22:27:48 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1860.8	540.88	552.80	3657.0	875.61
Stddev	3.3	.94	1.50	12.5	4.03
%RSD	.17489	.17466	.27161	.34264	.46057

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6246.4	5527.7	63434.	9853.8
Stddev	22.8	24.7	187.	85.7
%RSD	.36436	.44651	.29498	.86998

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	93.860%	101.16%	97.165%	91.620%
Range				

Sample Name: CCV Acquired: 5/31/2013 22:31:27 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	969.26	24041.	501.19	4894.1	1936.1	1956.4	48937.	489.4
Stddev	1.86	74.	1.95	12.4	3.4	4.4	60.	.6
%RSD	.19213	.30776	.38909	.25333	.17421	.22566	.12205	.1251

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1934.2	1959.5	1906.6	23582.	49675.	4974.2	48823.	1912.7
Stddev	1.1	3.6	2.5	43.	124.	7.7	70.	8.7
%RSD	.05475	.18564	.13054	.18181	.24862	.15566	.14349	.45361

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1977.4	49207.	1929.6	491.22	482.4	484.17	4830.5	4896.7
Stddev	6.6	99.	.7	1.86	2.5	2.52	7.1	30.2
%RSD	.33511	.20129	.03838	.37789	.5149	.52127	.14650	.61729

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: CCV Acquired: 5/31/2013 22:31:27 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	997.05	1957.9	1995.8	4949.0	4778.5
Stddev	2.61	1.0	1.7	96.7	12.2
%RSD	.26185	.05172	.08420	1.9531	.25566

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6403.5	5460.5	63031.	9841.0
Stddev	17.4	4.7	145.	60.8
%RSD	.27153	.08597	.22972	.61800

Sample Name: CCB Acquired: 5/31/2013 22:35:20 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.24499	2.9786	4.8965	15.602	1.1376	.36442	10.412	.7604
Stddev	.25869	14.882	5.0807	12.787	.0209	.04733	2.640	1.336
%RSD	105.59	499.63	103.76	81.959	1.8381	12.988	25.360	175.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.2693	.18801	1.0052	11.010	57.499	4.6468	17.814	.41703
Stddev	5.0409	.30198	.9007	2.041	8.479	.1752	7.743	.03215
%RSD	154.19	160.61	89.605	18.538	14.747	3.7697	43.465	7.7096

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.5649	89.129	3.2530	1.8168	.3355	3.3295	10.205	2.2333
Stddev	5.8091	12.823	5.0761	2.3169	1.905	5.0280	13.058	.2967
%RSD	104.39	14.386	156.04	127.53	568.0	151.02	127.96	13.287

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB Acquired: 5/31/2013 22:35:20 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	4.2924	2.3215	2.4460	10.051	2.0278
Stddev	5.5012	1.7294	4.9410	8.488	4.1679
%RSD	128.16	74.495	202.00	84.447	205.54

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6939.1	5648.6	66067.	9965.5
Stddev	65.5	45.1	241.	24.8
%RSD	.94443	.79873	.36542	.24895

Sample Name: 240-24831-b-39-a Acquired: 5/31/2013 22:39:14 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.6281	68124.	73.265	95.717	504.71	4.7189	78897.
Stddev	.2780	136.	1.256	.399	.60	.2116	899.
%RSD	2.8869	.19891	1.7140	.41711	.11884	4.4850	1.1398

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14.38	114.96	166.02	F 48848.	154470.	3055.2	54.518
Stddev	.18	.45	.06	142.	1761.	25.8	.438
%RSD	1.256	.39003	.03395	.29118	1.1398	.84591	.80271

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				30000.			
Low Limit				-500000.			

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	66995.	2682.1	5.2119	1537.4	351.58	543.72	10.88
Stddev	258.	23.8	.0900	13.7	.61	2.08	.88
%RSD	.38527	.88757	1.7277	.88839	.17210	.38207	8.091

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24831-b-39-a Acquired: 5/31/2013 22:39:14 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.8886	2562.1	8179.1	-.00434	298.47	2096.0	1754.6
Stddev	1.7706	8.0	63.1	.95860	.39	9.2	15.6
%RSD	19.920	.31107	.77209	22107.	.12966	.44017	.88681

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	216.73
Stddev	2.47
%RSD	1.1389

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6331.5	5715.7	68777.	10782.
Stddev	45.2	42.5	170.	84.
%RSD	.71430	.74356	.24772	.77898

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.139%	104.60%	105.35%	100.25%
Range				

Sample Name: 240-24831-b-39-a@5 Acquired: 5/31/2013 22:43:39 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.4936	15167.	16.203	21.226	111.61	1.0215	17869.	3.020
Stddev	.3081	86.	1.274	.220	.19	.0480	8.	.198
%RSD	12.358	.57021	7.8604	1.0356	.17083	4.7002	.04599	6.566

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23.282	37.484	10831.	35586.	644.29	13.482	14995.	610.88
Stddev	.235	.090	28.	49.	29.87	1.269	13.	2.00
%RSD	1.0106	.24082	.25795	.13753	4.6355	9.4146	.08473	.32657

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.0332	361.58	71.886	119.54	2.648	1.5618	522.36	1825.3
Stddev	.1286	2.84	.329	1.10	1.429	1.1339	1.72	5.7
%RSD	12.444	.78558	.45753	.92328	53.96	72.601	.32936	.31280

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: 240-24831-b-39-a@5 Acquired: 5/31/2013 22:43:39 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	TI1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.27678	66.536	431.05	398.70	47.088
Stddev	.46015	1.499	1.65	3.74	3.182
%RSD	166.25	2.2522	.38230	.93890	6.7574

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6837.9	5709.3	67237.	10460.
Stddev	12.8	8.6	115.	34.
%RSD	.18736	.15121	.17035	.32356

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 Value 102.75% 104.49% 102.99% 97.253%
 Range

Sample Name: 240-24831-b-40-a Acquired: 5/31/2013 22:47:27 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.7700	45979.	14.173	46.258	187.42	4.2637	9793.6
Stddev	.3489	99.	1.601	.743	.16	.0451	17.5
%RSD	19.713	.21513	11.298	1.6066	.08673	1.0570	.17844

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5590	74.302	84.645	241.84	108900.	5433.4	124.02
Stddev	.2059	.318	.610	.22	768.	27.5	.29
%RSD	36.84	.42833	.72071	.09066	.70549	.50704	.23571

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	32286.	3506.8	2.1719	410.37	212.11	15.146	-1.752
Stddev	61.	25.3	.2167	7.96	.34	1.850	1.537
%RSD	.18916	.72134	9.9755	1.9401	.15808	12.218	87.71

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24831-b-40-a Acquired: 5/31/2013 22:47:27 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.14844	20.198	829.50	-.02871	200.63	277.78	1387.8
Stddev	1.7161	2.994	1.03	.53623	3.23	1.60	6.8
%RSD	1156.0	14.824	.12409	1868.0	1.6115	.57471	.49246

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	57.476
Stddev	3.128
%RSD	5.4416

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6677.2	6085.4	70440.	10913.
Stddev	12.9	7.3	164.	111.
%RSD	.19346	.11949	.23351	1.0204

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.33%	111.37%	107.90%	101.46%
Range				

Sample Name: 240-24831-b-42-a Acquired: 5/31/2013 22:51:28 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.03070	40133.	33.865	52.376	588.32	4.3472	18299.
Stddev	.19607	67.	1.764	1.310	4.09	.2767	37.
%RSD	638.62	.16723	5.2101	2.5006	.69489	6.3657	.19967

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.515	45.968	96.618	14370.	107410.	6430.2	69.606
Stddev	.099	.497	.474	134.	924.	75.1	1.451
%RSD	6.530	1.0822	.49064	.93540	.86005	1.1672	2.0846

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	22977.	2238.3	1.2696	336.95	118.94	458.43	-.4834
Stddev	52.	10.0	.6266	4.42	.35	1.98	1.485
%RSD	.22414	.44819	49.351	1.3113	.29021	.43136	307.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24831-b-42-a Acquired: 5/31/2013 22:51:28 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.3288	33.468	1567.6	.70221	207.25	690.09	1732.8
Stddev	1.6960	2.424	1.4	.79300	1.72	1.42	8.8
%RSD	127.64	7.2416	.09018	112.93	.83168	.20637	.50890

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	108.45
Stddev	3.15
%RSD	2.9000

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6613.6	5923.8	69042.	10849.
Stddev	10.3	4.3	397.	34.
%RSD	.15610	.07289	.57487	.31054

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.378%	108.41%	105.76%	100.87%
Range				

Sample Name: 240-24831-b-43-a Acquired: 5/31/2013 22:55:38 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.3781	91310.	34.906	54.806	384.09	5.2273	51965.
Stddev	.4020	153.	1.494	.320	.72	.0412	65.
%RSD	9.1824	.16723	4.2813	.58470	.18807	.78732	.12594

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.466	140.95	182.22	9716.2	171540.	2819.1	60.125
Stddev	.139	.10	.43	12.7	712.	24.7	1.506
%RSD	9.505	.07079	.23783	.13117	.41512	.87758	2.5049

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	101400.	3787.4	3.0887	2749.0	405.63	494.66	1.876
Stddev	233.	43.6	.0768	4.6	.32	1.21	1.412
%RSD	.22930	1.1503	2.4877	.16669	.07806	.24482	75.27

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24831-b-43-a Acquired: 5/31/2013 22:55:38 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.7411	107.79	8787.5	.49020	306.50	890.26	1340.1
Stddev	.5861	.21	60.5	.26213	.77	.99	7.3
%RSD	33.665	.19163	.68819	53.475	.25166	.11160	.54365

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	210.89
Stddev	5.57
%RSD	2.6434

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6289.4	6004.8	69918.	11081.
Stddev	6.2	7.0	207.	98.
%RSD	.09854	.11729	.29538	.88585

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.507%	109.89%	107.10%	103.03%
Range				

Sample Name: 240-24831-b-44-a Acquired: 5/31/2013 22:59:48 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.0126	^ *****	k 18.191	75.907	s 281.10	s 5.2303	^ *****
Stddev	.1632	-----	.936	.806	36.20	.7542	-----
%RSD	8.1105	-----	5.1457	1.0621	12.877	14.420	-----

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	k .3701	51.740	99.527	k 215.53	^ *****	s 11985.	s 113.51
Stddev	.2308	.165	.527	2.66	-----	1576.	16.46
%RSD	62.36	.31814	.52940	1.2338	-----	13.149	14.498

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	^ *****	1575.5	1.1871	s 381.98	k 154.97	k 20.625	k -2.674
Stddev	-----	5.0	.0958	75.12	15.07	1.732	2.239
%RSD	-----	.31739	8.0714	19.665	9.7256	8.3987	83.73

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24831-b-44-a Acquired: 5/31/2013 22:59:48 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.47096	19.029	1188.1	k -2.6064	s 285.45	234.49	s 2708.2
Stddev	1.0635	.423	2.8	1.3771	42.16	4.56	402.8
%RSD	225.82	2.2205	.23496	52.837	14.771	1.9431	14.872

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	s 84.389
Stddev	14.172
%RSD	16.793

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6285.3	5929.0	67851.	^ *****
Stddev	33.5	31.8	243.	-----
%RSD	.53229	.53596	.35836	-----

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.445%	108.51%	103.93%	92.209%
Range				

Sample Name: 240-24831-b-45-a Acquired: 5/31/2013 23:03:36 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.0623	60889.	19.120	78.315	311.71	5.4544	17045.
Stddev	.4056	288.	.455	.423	.48	.1032	14.
%RSD	19.665	.47319	2.3778	.54006	.15557	1.8911	.08412

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1623	60.931	115.83	266.75	130190.	13298.	118.69
Stddev	.0636	.011	.12	1.31	1640.	87.	1.07
%RSD	39.18	.01820	.10154	.49152	1.2594	.65295	.90255

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	30068.	1619.5	1.4707	384.93	162.32	23.522	-1.037
Stddev	33.	6.5	.1726	7.68	4.57	.590	2.995
%RSD	.11102	.39868	11.737	1.9943	2.8165	2.5097	288.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24831-b-45-a Acquired: 5/31/2013 23:03:36 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.0870	19.740	1284.9	-1.3307	280.11	277.68	2158.7
Stddev	1.4349	.160	3.3	.5681	1.02	1.95	8.6
%RSD	132.01	.81169	.26031	42.693	.36516	.70181	.39902

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	93.080
Stddev	1.553
%RSD	1.6680

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6367.6	6115.7	70442.	10722.
Stddev	12.3	11.0	290.	76.
%RSD	.19372	.17980	.41224	.70718

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.681%	111.92%	107.90%	99.690%
Range				

Sample Name: 240-24831-b-46-a Acquired: 5/31/2013 23:07:31 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.8773	48656.	43.183	61.245	574.56	5.0006	25192.
Stddev	.3136	19.	1.383	.285	.51	.0319	75.
%RSD	10.899	.03813	3.2019	.46486	.08838	.63843	.29689

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.311	56.598	102.39	11738.	104290.	7357.3	91.756
Stddev	.097	.024	.21	59.	1190.	25.5	.374
%RSD	4.174	.04161	.20083	.50627	1.1411	.34653	.40713

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	29896.	2461.8	1.4157	422.73	143.85	302.44	-.4984
Stddev	106.	22.9	.1239	9.69	.32	1.23	2.695
%RSD	.35567	.92861	8.7529	2.2913	.22275	.40779	540.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24831-b-46-a Acquired: 5/31/2013 23:07:31 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.8288	21.834	1798.0	-.71818	255.33	725.69	1965.7
Stddev	.5858	.137	2.7	.54244	2.46	2.78	9.3
%RSD	20.709	.62892	.14910	75.530	.96193	.38343	.47262

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	173.93
Stddev	3.54
%RSD	2.0380

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6660.4	6185.9	73375.	11469.
Stddev	32.3	33.3	147.	60.
%RSD	.48556	.53871	.20008	.52029

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.08%	113.21%	112.39%	106.63%
Range				

Sample Name: 240-24831-b-47-a Acquired: 5/31/2013 23:11:32 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.75609	21862.	12.149	28.908	124.24	2.2674	5731.6	.1672
Stddev	.22507	92.	1.797	.207	.34	.0333	32.1	.0884
%RSD	29.768	.41911	14.795	.71779	.27701	1.4669	.55975	52.88

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	22.154	50.684	134.22	57950.	3686.4	44.980	11181.	760.10
Stddev	.218	.140	1.58	173.	9.8	.672	66.	.90
%RSD	.98282	.27693	1.1737	.29778	.26576	1.4941	.59040	.11856

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.43151	147.57	53.883	14.975	-2.013	-.92961	16.240	1345.1
Stddev	.12416	6.59	.067	1.090	.708	1.9696	.276	.3
%RSD	28.774	4.4648	.12461	7.2769	35.15	211.87	1.6976	.01874

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24831-b-47-a Acquired: 5/31/2013 23:11:32 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.05303	143.02	95.263	1873.7	32.945
Stddev	.46532	1.23	.269	9.3	2.760
%RSD	877.42	.85777	.28287	.49651	8.3778

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6885.3	5947.8	68659.	10555.
Stddev	13.4	9.6	287.	71.
%RSD	.19504	.16079	.41826	.67394

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	103.46%	108.85%	105.17%	98.139%
Range				

Sample Name: 240-24831-b-48-a Acquired: 5/31/2013 23:15:21 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.4727	34182.	15.139	51.317	181.35	3.4585	8677.7	.1305
Stddev	.2501	121.	.889	.032	.24	.0331	24.4	.0780
%RSD	16.985	.35482	5.8710	.06152	.13076	.95766	.28135	59.80

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	41.285	74.877	168.18	95412.	6881.0	72.193	18144.	1736.8
Stddev	.062	.196	.91	361.	41.9	.236	69.	19.1
%RSD	.15037	.26168	.54258	.37823	.60907	.32738	.37824	1.1019

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.62606	187.31	101.55	16.534	-1.761	1.7964	17.244	939.66
Stddev	.10741	4.58	.42	.892	.918	2.4356	.638	.80
%RSD	17.156	2.4449	.41069	5.3932	52.11	135.58	3.6987	.08552

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24831-b-48-a Acquired: 5/31/2013 23:15:21 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-1.4219	213.75	162.39	1672.7	47.261
Stddev	.6048	2.79	.44	5.0	2.889
%RSD	42.535	1.3046	.26917	.29824	6.1121

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6753.9	6217.9	72736.	11530.
Stddev	24.6	22.2	242.	161.
%RSD	.36481	.35768	.33282	1.3958

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	101.49%	113.79%	111.41%	107.21%
Range				

Sample Name: CCV Acquired: 5/31/2013 23:19:18 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	959.91	24067.	500.87	4904.6	1934.9	1951.5	48506.	490.3
Stddev	13.21	17.	2.06	4.6	12.9	18.0	473.	.9
%RSD	1.3758	.06948	.41218	.09378	.66687	.92144	.97490	.1810

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1938.1	1937.9	1908.4	23812.	49431.	4974.7	48187.	1890.0
Stddev	4.0	27.2	10.8	404.	404.	45.0	472.	25.3
%RSD	.20563	1.4019	.56356	1.6967	.81655	.90395	.97866	1.3361

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1989.3	48993.	1933.2	491.04	481.6	482.99	4807.6	4838.4
Stddev	3.1	463.	3.6	1.42	3.6	2.44	14.4	115.6
%RSD	.15436	.94502	.18404	.29014	.7416	.50420	.30024	2.3895

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: CCV Acquired: 5/31/2013 23:19:18 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	998.15	1952.3	1987.8	4893.1	4754.9
Stddev	1.89	16.3	5.3	115.9	40.7
%RSD	.18895	.83512	.26490	2.3694	.85692

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6443.0	5484.0	64358.	10158.
Stddev	24.6	24.6	272.	86.
%RSD	.38137	.44815	.42293	.84459

Sample Name: CCB Acquired: 5/31/2013 23:23:11 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.05436	15.694	.62983	11.693	.77287	.29278	5.0775	.5881
Stddev	.43662	2.155	1.6551	9.156	.08162	.03178	2.3927	.9632
%RSD	803.18	13.729	262.79	78.299	10.561	10.854	47.123	163.8

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.2737	.29372	.91015	25.469	37.916	4.4998	12.695	.67474
Stddev	3.4522	.09624	.31082	1.370	1.342	.3828	2.075	.04122
%RSD	151.83	32.765	34.151	5.3806	3.5384	8.5080	16.344	6.1084

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.1258	47.549	2.3162	.62481	-.4755	.90087	6.9030	2.3694
Stddev	3.7325	9.805	3.8661	.88331	.7073	.98599	8.7848	.1211
%RSD	90.468	20.621	166.91	141.37	148.8	109.45	127.26	5.1112

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: CCB Acquired: 5/31/2013 23:23:11 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	TI1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.7013	2.1250	1.7212	6.9347	3.7346
Stddev	2.1123	.4893	3.8307	5.9362	5.9063
%RSD	124.15	23.024	222.56	85.602	158.15

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7072.0	5718.0	66593.	10203.
Stddev	3.9	7.9	116.	16.
%RSD	.05507	.13734	.17383	.15258

Sample Name: 240-24831-b-49-a Acquired: 5/31/2013 23:27:06 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19.075	51434.	380.98	108.35	23301.	5.7774	42276.
Stddev	.276	139.	.76	.26	218.	.0537	67.
%RSD	1.4474	.27070	.20078	.23551	.93359	.92938	.15949

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	57.04	72.584	238.09	F 44713.	247280.	3854.0	42.458
Stddev	.18	.174	.38	195.	2055.	26.0	2.011
%RSD	.3226	.24014	.16053	.43573	.83099	.67485	4.7363

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				30000.			
Low Limit				-500000.			

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	57215.	2425.7	21.835	1382.1	422.96	9665.0	10.27
Stddev	140.	41.4	.198	14.8	.39	25.1	.32
%RSD	.24457	1.7075	.90452	1.0734	.09168	.25987	3.157

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24831-b-49-a Acquired: 5/31/2013 23:27:06 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17.618	469.36	4437.4	9.8065	179.21	7528.0	2830.5
Stddev	2.293	.44	36.3	.2703	2.64	8.8	40.0
%RSD	13.013	.09426	.81893	2.7560	1.4736	.11736	1.4138

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	441.78
Stddev	.89
%RSD	.20081

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6454.9	5683.3	69418.	11107.
Stddev	12.8	22.8	634.	80.
%RSD	.19874	.40173	.91286	.71807

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.993%	104.01%	106.33%	103.27%
Range				

Sample Name: 240-24831-b-49-a@5 Acquired: 5/31/2013 23:31:30 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.4001	11350.	79.618	22.791	5130.6	1.2279	9282.3	12.02
Stddev	.5875	45.	.397	.253	123.1	.0501	25.3	.17
%RSD	13.351	.39753	.49801	1.1121	2.3991	4.0830	.27253	1.405

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14.798	52.698	9644.0	56757.	800.12	11.388	12776.	544.41
Stddev	.370	.214	6.5	182.	13.00	1.484	74.	1.00
%RSD	2.5003	.40632	.06762	.32043	1.6244	13.033	.57778	.18315

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.4602	312.84	85.841	2007.0	1.482	4.2151	95.362	972.49
Stddev	.1534	9.73	.587	2.0	.802	.3238	.451	1.71
%RSD	3.4385	3.1108	.68432	.10205	54.12	7.6824	.47328	.17550

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: 240-24831-b-49-a@5 Acquired: 5/31/2013 23:31:30 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	TI1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.5039	40.086	1550.6	621.17	94.717
Stddev	.9166	2.940	4.9	13.15	2.532
%RSD	36.605	7.3337	.31372	2.1176	2.6730

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6800.7	5633.7	66994.	10437.
Stddev	45.6	26.7	195.	82.
%RSD	.67019	.47361	.29078	.78143

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 Value 102.19% 103.10% 102.62% 97.046%
 Range

Sample Name: 240-24831-b-50-a Acquired: 5/31/2013 23:35:27 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	395.56	96662.	1714.2	122.43	24934.	5.2162
Stddev	1.86	180.	4.7	.10	220.	.0310
%RSD	.47012	.18581	.27350	.08140	.88177	.59509

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	118560.	75.21	191.23	385.64	F 87485.	F 665240.
Stddev	1377.	.41	.62	1.36	117.	4546.
%RSD	1.1611	.5396	.32643	.35353	.13319	.68340

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail
High Limit					30000.	500000.
Low Limit					-500000.	-500000.

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4472.1	80.067	73246.	6493.7	103.45	953.31
Stddev	30.7	.528	112.	37.4	.27	5.26
%RSD	.68661	.65974	.15262	.57600	.25739	.55149

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 240-24831-b-50-a Acquired: 5/31/2013 23:35:27 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	655.54	F 90578.	328.3	42.325	12144.	13876.
Stddev	.32	293.	4.5	3.321	48.	10.
%RSD	.04838	.32343	1.378	7.8460	.39697	.07173

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		15000.				
Low Limit		-500000.				

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.2844	506.86	F 20658.	2473.0	2829.8
Stddev	1.0880	2.70	62.	29.1	19.7
%RSD	47.626	.53340	.30071	1.1764	.69774

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			10000.		
Low Limit			-500000.		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5711.2	5643.2	72866.	11579.
Stddev	30.6	32.2	150.	44.
%RSD	.53570	.57040	.20614	.38290

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	85.819%	103.27%	111.61%	107.66%
Range				

Sample Name: 240-24831-b-50-a@10 Acquired: 5/31/2013 23:39:56 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	45.104	11384.	188.04	12.715	2968.1	.60618	14592.	8.134
Stddev	.344	44.	2.39	.375	4.3	.02744	33.	.287
%RSD	.76374	.38604	1.2687	2.9509	.14410	4.5261	.22883	3.523

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18.101	47.680	10169.	90702.	525.45	12.185	9091.3	832.20
Stddev	.095	.055	7.	212.	21.78	.892	27.2	1.36
%RSD	.52400	.11562	.06679	.23362	4.1455	7.3187	.29967	.16366

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11.563	116.46	63.409	10627.	38.29	4.3087	1182.6	1706.7
Stddev	.077	8.03	.196	21.	.79	1.1931	1.2	1.9
%RSD	.66172	6.8964	.30853	.19364	2.061	27.691	.10384	.11271

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: 240-24831-b-50-a@10 Acquired: 5/31/2013 23:39:56 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	TI1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.0106	59.423	2121.4	295.48	338.06
Stddev	.3682	1.796	6.1	4.61	2.43
%RSD	36.434	3.0229	.28631	1.5606	.71941

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6736.9	5601.8	66522.	10271.
Stddev	34.0	27.7	265.	64.
%RSD	.50513	.49444	.39854	.62363

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	101.23%	102.52%	101.90%	95.499%
Range				

Sample Name: 240-24831-b-51-a Acquired: 5/31/2013 23:43:41 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .73430	132580.	302.38	350.20	^ *****	6.0828	107790.
Stddev	.09334	1094.	1.40	.47	-----	.5545	1910.
%RSD	12.711	.82520	.46280	.13323	-----	9.1164	1.7720

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.517	65.511	257.72	2865.7	136230.	21600.	67.221
Stddev	.232	.120	.65	12.0	365.	158.	1.041
%RSD	9.197	.18357	.25350	.42038	.26792	.73136	1.5480

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	68887.	2928.0	3.4575	10052.	184.80	197.48	.8153
Stddev	482.	3.3	.1563	71.	.60	9.50	2.061
%RSD	.70030	.11388	4.5192	.71063	.32506	4.8119	252.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24831-b-51-a Acquired: 5/31/2013 23:43:41 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	36.071	38.217	3703.9	.86347	367.98	558.75	1878.3
Stddev	.743	1.152	13.0	.32608	2.67	2.37	15.6
%RSD	2.0605	3.0153	.35012	37.764	.72663	.42448	.83057

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1145.3
Stddev	5.9
%RSD	.51929

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6286.9	6068.9	69767.	11199.
Stddev	15.5	15.7	112.	38.
%RSD	.24683	.25937	.16015	.34184

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.468%	111.07%	106.87%	104.12%
Range				

Sample Name: 240-24831-b-52-a Acquired: 5/31/2013 23:47:57 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.1989	113910.	1370.5	315.60	2090.7	7.3629	336970.
Stddev	.2814	98.	3.3	.87	4.6	.0466	4284.
%RSD	8.7962	.08610	.23903	.27450	.21930	.63259	1.2714

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13.24	113.62	369.60	17059.	293840.	15246.	316.66
Stddev	.21	.60	.58	40.	3185.	21.	1.15
%RSD	1.589	.52561	.15689	.23321	1.0838	.13827	.36473

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	165340.	3719.1	23.436	5991.1	789.81	12383.	-7.373
Stddev	44.	18.9	.064	4.2	.56	28.	1.450
%RSD	.02646	.50713	.27267	.06977	.07053	.22400	19.67

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24831-b-52-a Acquired: 5/31/2013 23:47:57 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	37.413	85.788	3641.1	19.818	416.15	2471.3	2390.4
Stddev	.820	1.523	17.5	.838	3.02	5.1	10.6
%RSD	2.1911	1.7757	.47987	4.2273	.72557	.20646	.44144

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1338.5
Stddev	.7
%RSD	.04978

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5874.6	5757.9	68505.	10944.
Stddev	4.5	6.6	107.	16.
%RSD	.07649	.11450	.15671	.14240

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	88.273%	105.37%	104.93%	101.75%
Range				

Sample Name: 240-24831-b-52-a@5 Acquired: 5/31/2013 23:52:20 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.37609	25257.	304.25	69.810	465.78	1.6260	78454.	2.850
Stddev	.69053	52.	2.83	.436	2.23	.0453	648.	.128
%RSD	183.61	.20515	.93063	.62499	.47801	2.7874	.82636	4.503

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	22.783	85.542	3773.4	70586.	3303.6	71.068	37840.	867.67
Stddev	.357	.353	2.9	123.	31.0	.949	64.	.58
%RSD	1.5683	.41317	.07711	.17455	.93898	1.3351	.16898	.06673

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.2044	1318.6	160.02	2821.0	-1.821	7.0242	19.404	827.13
Stddev	.2474	5.0	.26	41.2	.485	1.3499	4.687	.51
%RSD	4.7543	.37828	.16089	1.4588	26.62	19.217	24.153	.06168

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: 240-24831-b-52-a@5 Acquired: 5/31/2013 23:52:20 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	3.7496	94.435	511.00	530.38	302.61
Stddev	.9228	2.034	8.77	4.86	2.42
%RSD	24.611	2.1537	1.7167	.91702	.79882

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6594.0	5592.6	65960.	10403.
Stddev	11.8	9.6	99.	45.
%RSD	.17962	.17237	.15083	.43265

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 Value 99.083% 102.35% 101.03% 96.728%
 Range

Sample Name: Ib 240-87579/1-d Acquired: 5/31/2013 23:56:15 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.62668	81.020	F 7.1495	15.293	F 6.0691	.00184
Stddev	.59160	51.800	3.7909	1.295	2.3135	.04266
%RSD	94.402	63.935	53.022	8.4666	38.119	2324.0

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
High Limit			5.0000		5.0000	
Low Limit			-1000.0		-1000.0	

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	357.01	.0163	.32713	1.0894	F 10.824	F 259.02
Stddev	92.56	.1131	.38608	.2691	11.037	131.46
%RSD	25.927	694.0	118.02	24.698	101.96	50.753

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail
High Limit					5.0000	100.00
Low Limit					-1000.0	-1000.0

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 1719.4	33.566	129.51	3.4246	.13633	F 1247700.
Stddev	282.6	5.876	50.59	1.8776	.16988	8618.
%RSD	16.433	17.507	39.059	54.825	124.62	.69072

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit	1000.0					1000.0
Low Limit	-1000.0					-1000.0

Sample Name: Ib 240-87579/1-d Acquired: 5/31/2013 23:56:15 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 13.406	F 38.726	-1.244	3.1167	4.8226	3.0276
Stddev	3.698	61.541	1.768	.7327	5.4402	2.3528
%RSD	27.582	158.91	142.2	23.508	112.81	77.710

Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000	3.0000				
Low Limit	-1000.0	-1000.0				

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-1.5670	2.4611	F 26.475	232.21	2.5946
Stddev	.3878	.0400	15.641	5.06	1.7820
%RSD	24.751	1.6249	59.079	2.1788	68.680

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			20.000		
Low Limit			-1000.0		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5703.2	4974.5	55498.	9284.7
Stddev	11.9	10.9	85.	55.9
%RSD	.20870	.21920	.15383	.60225

Sample Name: mb 240-87657/2-a Acquired: 6/1/2013 0:00:16 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .27502	27.605	k 1.3051	-1.2491	2.9059	-.05759	233.97
Stddev	.41392	18.366	.7196	.3964	.5421	.04838	24.86
%RSD	150.50	66.532	55.138	31.732	18.654	84.011	10.624

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	k .0202	k -.11571	1.2448	^ *****	75.391	224.28	9.7804
Stddev	.1168	.12846	2.7974	-----	36.353	27.08	.6382
%RSD	577.9	111.02	224.73	-----	48.220	12.075	6.5249

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	73.734	^ *****	-.13527	758.48	k 3.4528	kF 9.6949	k -1.328
Stddev	7.010	-----	.02470	123.29	1.3453	3.3525	3.788
%RSD	9.5073	-----	18.262	16.255	38.963	34.580	285.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						3.0000	
Low Limit						-1000.0	

Sample Name: mb 240-87657/2-a Acquired: 6/1/2013 0:00:16 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	k .18562	1.0219	^ *****	k .65903	-.85462	10.014	17.633
Stddev	2.6892	.2770	-----	1.0295	.76270	.810	5.061
%RSD	1448.7	27.109	-----	156.22	89.245	8.0932	28.701

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	-2.4660
Stddev	1.9484
%RSD	79.012

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6682.9	5454.3	63835.	9553.2
Stddev	5.8	3.4	390.	40.1
%RSD	.08705	.06238	.61092	.42004

Sample Name: lcs 240-87657/3-a Acquired: 6/1/2013 0:04:09 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48.379	1840.4	1955.6	924.94	1838.5	46.105
Stddev	.347	10.4	5.7	2.90	2.5	.102
%RSD	.71782	.56394	.28951	.31352	.13862	.22110

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	45997.	45.66	474.27	191.52	241.41	968.97
Stddev	37.	.16	1.84	.53	9.83	34.39
%RSD	.07944	.3539	.38715	.27556	4.0725	3.5488

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50140.	983.05	45477.	472.07	946.42	F 1189600.
Stddev	274.	5.27	77.	.83	3.06	10026.
%RSD	.54725	.53623	.16964	.17506	.32380	.84284

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						50000.
Range						20.500%

Sample Name: lcs 240-87657/3-a Acquired: 6/1/2013 0:04:09 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	482.03	471.97	455.1	1873.4	1839.0	943.43
Stddev	2.19	14.60	2.4	7.2	4.9	.71
%RSD	.45400	3.0935	.5251	.38555	.26818	.07576

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1847.2	478.90	522.92	1129.7	885.70
Stddev	11.1	2.25	1.35	10.4	3.07
%RSD	.60296	.47028	.25905	.91877	.34678

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5563.9	4896.2	54826.	9152.5
Stddev	7.3	5.2	164.	10.9
%RSD	.13042	.10548	.29959	.11895

Sample Name: CCV Acquired: 6/1/2013 0:07:58 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	967.97	24224.	503.54	4888.7	1936.0	1964.8	49423.	489.4
Stddev	.63	23.	2.94	15.6	1.5	5.1	105.	1.2
%RSD	.06498	.09440	.58347	.31930	.07738	.25943	.21167	.2528

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1938.2	1969.7	1915.8	23726.	49885.	4971.8	49632.	1909.5
Stddev	3.4	3.8	2.1	60.	94.	5.6	229.	10.5
%RSD	.17751	.19126	.10764	.25325	.18801	.11326	.46049	.54732

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1993.0	49208.	1936.7	497.07	481.0	483.33	4821.2	4880.2
Stddev	5.7	257.	2.1	1.14	2.5	2.21	3.5	20.0
%RSD	.28562	.52168	.10882	.22988	.5108	.45713	.07334	.40997

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: CCV Acquired: 6/1/2013 0:07:58 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1003.1	1976.7	2006.8	4959.1	4810.7
Stddev	1.3	5.3	1.5	94.7	8.9
%RSD	.12688	.26680	.07586	1.9093	.18563

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6350.6	5394.6	63447.	9678.7
Stddev	6.9	3.1	82.	145.7
%RSD	.10823	.05738	.12963	1.5049

Sample Name: CCB Acquired: 6/1/2013 0:11:50 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.17811	20.804	1.5353	8.0060	2.0382	.65555	38.013	.2004
Stddev	.25625	22.201	.7544	.9903	1.3585	.72627	46.267	.0149
%RSD	143.87	106.72	49.133	12.370	66.655	110.79	121.71	7.426

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.49764	.08061	1.1385	31.564	167.20	9.6842	39.131	.39968
Stddev	.03746	.25239	.2740	34.723	31.21	2.0341	47.804	.04074
%RSD	7.5278	313.11	24.062	110.01	18.669	21.004	122.16	10.194

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.4159	618.70	.49863	.74061	.0697	-.10259	3.2173	2.3291
Stddev	.1785	415.92	.25959	.88461	1.704	.85017	.3061	.2124
%RSD	7.3871	67.224	52.060	119.44	2445.	828.68	9.5135	9.1190

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB Acquired: 6/1/2013 0:11:50 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.8725	2.4602	.01682	9.3981	1.6783
Stddev	.3070	1.4913	.04569	3.9564	2.2090
%RSD	16.392	60.618	271.60	42.098	131.62

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6956.3	5630.1	66280.	10068.
Stddev	4.0	7.5	247.	7.
%RSD	.05780	.13321	.37334	.06783

Sample Name: 240-24631-c-1-d Acquired: 6/1/2013 0:15:45 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.09028	184.69	5.9317	118.73	2299.6	1.6425
Stddev	.04802	7.02	1.3817	.94	6.1	.2477
%RSD	53.189	3.8016	23.293	.79532	.26441	15.077

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	161930.	.1076	84.828	2.0802	15.001	5122.6
Stddev	2393.	.1029	.087	.1635	.638	14.4
%RSD	1.4777	95.60	.10268	7.8597	4.2557	.28101

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10535.	40.361	7831.3	3100.0	.17591	F 1149100.
Stddev	226.	3.011	68.6	10.5	.18486	14625.
%RSD	2.1414	7.4604	.87573	.33733	105.09	1.2728

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500000.
Low Limit						-500000.

Sample Name: 240-24631-c-1-d Acquired: 6/1/2013 0:15:45 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	56.232	18.510	-1.218	1.9516	25.989	2.2610
Stddev	.088	.361	.978	.1888	.594	.1977
%RSD	.15709	1.9513	80.26	9.6756	2.2861	8.7441

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.1769	1.7254	73.117	1951.1	876.74
Stddev	.6084	.5295	.157	11.0	6.03
%RSD	51.695	30.687	.21496	.56519	.68760

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5759.1	5144.4	58992.	10167.
Stddev	10.5	15.3	535.	226.
%RSD	.18246	.29789	.90759	2.2260

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	86.538%	94.146%	90.362%	94.527%
Range				

Sample Name: 240-24631-b-2-d Acquired: 6/1/2013 0:19:59 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.40470	338.49	5.7651	69.513	1858.8	1.9475
Stddev	.27033	9.57	.5746	.196	1.5	.1445
%RSD	66.798	2.8271	9.9663	.28208	.08300	7.4211

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	141970.	.2994	33.607	7.9519	21.386	12334.
Stddev	1700.	.1384	.277	.4726	1.310	40.
%RSD	1.1971	46.22	.82358	5.9434	6.1234	.32134

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13262.	47.354	19812.	6414.5	-.26745	F 1091700.
Stddev	71.	1.124	59.	23.2	.18617	17292.
%RSD	.53562	2.3730	.29645	.36204	69.608	1.5839

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500000.
Low Limit						-500000.

Sample Name: 240-24631-b-2-d Acquired: 6/1/2013 0:19:59 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	45.611	14.080	-.7417	3.3660	18.973	2.2688
Stddev	.134	1.130	.8464	1.0953	.346	1.6608
%RSD	.29330	8.0234	114.1	32.540	1.8221	73.200

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.6991	1.4143	86.943	4517.6	613.04
Stddev	.8601	.4412	.081	25.0	1.17
%RSD	31.866	31.197	.09325	.55245	.19084

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5711.3	5141.2	58607.	9949.8
Stddev	9.6	5.7	120.	97.9
%RSD	.16871	.11110	.20436	.98347

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	85.819%	94.088%	89.773%	92.512%
Range				

Sample Name: 240-24834-d-7-a Acquired: 6/1/2013 0:24:14 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.07614	150.63	1.3040	352.43	17.991	-.20719	264990.
Stddev	.59872	17.63	.3885	1.25	.133	.05946	2100.
%RSD	786.31	11.705	29.795	.35515	.74072	28.698	.79232

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5305	2.8293	2.3188	.86400	474.78	11030.	84.625
Stddev	.0674	.0980	.0645	.44716	1.29	21.	.700
%RSD	12.71	3.4645	2.7800	51.755	.27081	.19090	.82683

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	76521.	383.17	.23640	14040.	19.673	.46829	-5.422
Stddev	81.	1.67	.22487	23.	.129	.49833	.759
%RSD	.10632	.43652	95.125	.16224	.65744	106.41	14.00

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24834-d-7-a Acquired: 6/1/2013 0:24:14 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.15935	.51334	1.2045	1.6556	-.46476	849.20	8474.0
Stddev	1.6471	.76810	.1992	.7425	.26577	2.35	24.1
%RSD	1033.7	149.63	16.535	44.848	57.185	.27648	.28433

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1068.3
Stddev	1.4
%RSD	.13472

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6534.1	5400.4	63658.	10168.
Stddev	5.4	4.8	288.	8.
%RSD	.08295	.08814	.45309	.07805

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.184%	98.831%	97.509%	94.538%
Range				

Sample Name: 240-24834-d-7-a@5 Acquired: 6/1/2013 0:28:10 Type: Unk
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.05036	40.189	.34627	66.727	4.3941	-.02391	55148.	.1885
Stddev	.17310	14.062	.85344	.334	.2106	.02717	59.	.0328
%RSD	343.70	34.989	246.47	.49983	4.7931	113.61	.10745	17.39

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.58830	.61668	-.14011	99.024	2266.9	19.504	16007.	81.968
Stddev	.21303	.24725	.29485	2.978	25.2	1.205	23.	5.409
%RSD	36.211	40.094	210.45	3.0071	1.1111	6.1774	.14372	6.5993

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.20794	3253.1	4.3608	.39772	-1.947	-1.0966	.84134	.56183
Stddev	.06437	175.6	.2273	1.1614	1.351	.9231	.30603	.92152
%RSD	30.954	5.3979	5.2131	292.02	69.40	84.176	36.374	164.02

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24834-d-7-a@5 Acquired: 6/1/2013 0:28:10 Type: Unk
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.73550	-.70997	176.37	1710.2	224.80
Stddev	.47072	2.5086	.49	3.9	1.62
%RSD	64.000	353.34	.27995	.22622	.72237

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6780.8	5493.3	64148.	9872.3
Stddev	20.8	21.4	149.	20.2
%RSD	.30627	.38870	.23257	.20439

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	101.89%	100.53%	98.260%	91.791%
Range				

Sample Name: CCV Acquired: 6/1/2013 0:32:02 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	965.03	24145.	501.41	4874.6	1929.8	1958.4	48652.	488.8
Stddev	3.48	17.	2.55	2.0	2.1	3.6	95.	.5
%RSD	.36071	.07095	.50937	.04032	.11085	.18351	.19424	.0966

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1925.9	1953.8	1906.4	23410.	49713.	4974.7	48524.	1902.9
Stddev	2.1	7.7	7.7	18.	67.	7.9	40.	3.0
%RSD	.10697	.39629	.40399	.07599	.13475	.15799	.08294	.15556

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1990.1	48898.	1920.5	491.63	479.2	479.77	4763.5	4902.1
Stddev	1.6	157.	2.9	1.33	1.0	.53	13.2	16.6
%RSD	.07834	.32127	.14920	.27024	.2064	.11074	.27714	.33926

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: CCV Acquired: 6/1/2013 0:32:02 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	995.03	1972.0	1980.5	4874.8	4759.5
Stddev	1.94	8.3	2.9	97.2	3.6
%RSD	.19460	.42033	.14481	1.9949	.07552

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6357.1	5388.6	62523.	9725.3
Stddev	9.9	5.7	184.	26.9
%RSD	.15502	.10626	.29489	.27652

Sample Name: CCB Acquired: 6/1/2013 0:35:49 Type: QC
Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 6.4935	13.695	k 2.0351	7.8130	1.3176	.44203	56.214
Stddev	7.8478	16.666	1.0165	.2787	.4309	.28742	31.918
%RSD	120.86	121.69	49.946	3.5676	32.702	65.022	56.779

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	5.0000						
Low Limit	-5.0000						

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	k .1617	k .45988	F 13.014	kF 13.657	7.4587	92.123	7.2274
Stddev	.2082	.01193	15.255	16.014	3.7480	26.784	1.6459
%RSD	128.8	2.5944	117.22	117.26	50.250	29.074	22.773

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			5.0000	5.0000			
Low Limit			-5.0000	-5.0000			

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24.761	^ *****	2.1789	338.27	k .65871	k .91030	k .6368
Stddev	12.190	-----	.3106	86.64	.12753	1.0887	1.780
%RSD	49.231	-----	14.255	25.612	19.361	119.60	279.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: CCB Acquired: 6/1/2013 0:35:49 Type: QC
 Method: Standard Method + IEC Checks(v166) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	k .67988	2.6180	^ *****	k .80932	1.0253	-.04238	11.412
Stddev	.24175	.5221	-----	.51493	1.6220	.08991	5.554
%RSD	35.557	19.944	-----	63.625	158.19	212.14	48.666

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	-.83326
Stddev	.95471
%RSD	114.58

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6889.7	5577.4	66288.	9738.4
Stddev	21.7	19.3	407.	37.2
%RSD	.31514	.34548	.61349	.38155

Sample Name: Blank Acquired: 6/3/2013 14:56:02 Type: Cal
Method: Standard Method + IEC Checks(v169) Mode: IR Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.00092	.00309	-.00007	.00480	.00136	.00079	.01855
Stddev	.00027	.00024	.00009	.00013	.00025	.00014	.00017
%RSD	29.700	7.7293	130.08	2.7276	17.999	18.030	.88949

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0006	.00112	.00047	-.01135	.00024	-.00768	-.00087
Stddev	.0001	.00010	.00029	.00025	.00024	.00166	.00046
%RSD	9.708	8.7355	62.689	2.1816	104.02	21.660	52.590

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.00033	.00178	.00089	.00272	.00155	-.00122	.0000
Stddev	.00014	.00204	.00020	.00155	.00008	.00025	.0002
%RSD	43.249	114.74	22.089	57.019	4.8992	20.822	20270.

Elem	Se1960	Sn1899	Ti3372	Tl1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.00046	.00030	.00211	-.00027	.00100	.00263	.00025
Stddev	.00013	.00012	.00137	.00012	.00024	.00001	.00018
%RSD	28.751	38.925	65.017	45.879	24.383	.54889	71.752

Elem	Sr3464
IS Ref	(Y_3710)
Units	Cts/S
Avg	-.00006
Stddev	.00029
%RSD	489.86

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7527.7	5652.4	56929.	10262.
Stddev	13.1	7.1	417.	126.
%RSD	.17386	.12645	.73193	1.2263

Sample Name: SCAL1 Acquired: 6/3/2013 15:00:04 Type: Cal
Method: Standard Method + IEC Checks(v169) Mode: IR Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	As1890	B_1826	Ba4554	Be3130	Cd2288	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.92990	.13476	6.3777	26.266	26.336	2.700	5.1348	1.7114
Stddev	.00032	.00011	.0050	.277	.056	.003	.0018	.0028
%RSD	.03494	.07942	.07882	1.0546	.21312	.1128	.03464	.16393

Elem	Cu3273	Li6707	Mn2576	Mo2020	Ni2316	Pb2203	Sb2175	Se1960
IS Ref	(Y_3600)	(Y_3710)	(Y_3600)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.1161	10.317	9.1270	5.8228	3.0183	.45813	.1942	.10020
Stddev	.0017	.072	.0125	.0031	.0017	.00120	.0006	.00010
%RSD	.14946	.69384	.13654	.05393	.05658	.26118	.3295	.10012

Elem	Sn1899	Ti3372	Tl1908	V_2908	Zn2062	Sr3464
IS Ref	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.4952	10.345	.41644	.70773	6.1438	1.7382
Stddev	.0039	.039	.00087	.00863	.0058	.0249
%RSD	.11278	.37426	.20978	1.2189	.09513	1.4306

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7070.6	5550.8	55754.	10473.
Stddev	10.5	7.4	125.	75.
%RSD	.14884	.13351	.22457	.71700

Sample Name: SCAL2 Acquired: 6/3/2013 15:04:12 Type: Cal
 Method: Standard Method + IEC Checks(v169) Mode: IR Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Al3082	Ca3179	Fe2599	K_7664	Mg2790	Na5895	Si2516
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.1112	20.619	8.7763	3.9907	1.8276	16.398	.49666
Stddev	.0016	.010	.0280	.0076	.0066	.025	.00121
%RSD	.14535	.04930	.31923	.19081	.36384	.15460	.24330

Int. Std.	Y_3710
Units	Cts/S
Avg	10416.
Stddev	16.
%RSD	.15602

Sample Name: ICV Acquired: 6/3/2013 15:08:05 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	771.30	12479.	370.09	1525.1	1521.8	1556.2	25868.
Stddev	.42	13.	.79	.7	1.1	1.5	27.
%RSD	.05470	.10446	.21445	.04448	.07157	.09707	.10266

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	369.9	1490.0	1488.9	1510.5	12785.	25069.	1001.8
Stddev	.6	1.9	1.0	3.2	17.	10.	.2
%RSD	.1499	.13061	.06439	.20936	.12939	.03893	.01746

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	25343.	1537.1	1481.8	25277.	1492.2	361.97	373.8
Stddev	9.	2.8	1.6	18.	1.9	.74	1.9
%RSD	.03675	.18448	.10845	.07177	.13033	.20429	.5203

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Sample Name: ICV Acquired: 6/3/2013 15:08:05 Type: QC
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	368.35	1504.1	1534.8	741.45	1538.4	1497.8	W 3186.0
Stddev	3.56	2.1	1.9	2.19	3.4	.5	20.5
%RSD	.96609	.13929	.12198	.29494	.22144	.03486	.64417

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
Value							3000.0
Range							5.5000%

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	4464.1
Stddev	5.4
%RSD	.12171

Check ?	Chk Pass
Value	
Range	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6965.4	5554.7	55051.	10348.
Stddev	11.0	11.8	90.	16.
%RSD	.15831	.21246	.16429	.15799

Sample Name: ICB Acquired: 6/3/2013 15:11:45 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .22374	3.8551	- .95789	4.5639	1.3320	F 1.1937	30.992
Stddev	.23044	27.124	1.1893	.4041	1.8123	1.7088	41.875
%RSD	102.99	703.58	124.16	8.8531	136.05	143.15	135.12

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						1.0000	
Low Limit						-1.0000	

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0539	.05183	- .46447	-2.3244	13.815	51.794	1.8796
Stddev	.0669	.21044	.15242	1.2592	20.989	31.208	1.1510
%RSD	124.0	405.98	32.816	54.175	151.94	60.255	61.240

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47.887	- .24504	1.4289	48.925	- .00031	- .02998	- .7643
Stddev	39.107	.15028	.0852	34.984	.07702	.61006	.4735
%RSD	81.666	61.328	5.9614	71.506	24542.	2035.1	61.96

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: ICB Acquired: 6/3/2013 15:11:45 Type: QC
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.84815	.86358	-.07141	-.01687	.99447	.22560	9.7704
Stddev	2.1402	.16297	.20409	.30919	1.3453	.04986	6.9042
%RSD	252.34	18.871	285.81	1832.6	135.28	22.100	70.664

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	4.5549
Stddev	7.4755
%RSD	164.12

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7698.6	5744.8	57553.	10748.
Stddev	9.1	8.4	142.	93.
%RSD	.11761	.14612	.24676	.86650

Sample Name: CRI Acquired: 6/3/2013 15:15:49 Type: QC
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.6373	185.73	13.807	202.76	10.067	5.0307	5166.2	5.114
Stddev	.4261	13.38	1.537	1.07	.141	.0212	2.7	.041
%RSD	9.1889	7.2050	11.131	.52918	1.4007	.42060	.05321	.8074

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.7909	4.5326	14.414	314.29	5057.3	50.147	5267.4	16.320
Stddev	.1941	.2418	1.035	.62	28.1	.479	18.1	.065
%RSD	4.0509	5.3353	7.1805	.19784	.55639	.95459	.34443	.39739

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.271	5112.3	23.960	9.3428	10.04	18.332	98.663	50.045
Stddev	.212	9.2	.027	.4420	1.86	2.557	.485	.114
%RSD	2.0635	.17963	.11321	4.7312	18.57	13.950	.49165	.22846

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: CRI Acquired: 6/3/2013 15:15:49 Type: QC
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	TI1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	14.764	7.8353	38.307	509.98	52.498
Stddev	.443	1.6822	.146	1.31	1.745
%RSD	3.0036	21.470	.38198	.25705	3.3233

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7440.4	5656.5	56949.	10541.
Stddev	4.2	3.0	144.	65.
%RSD	.05648	.05233	.25339	.61430

Sample Name: CRILL Acquired: 6/3/2013 15:19:43 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.7768	187.99	9.0195	194.80	195.89	4.8537	5036.7	2.021
Stddev	.2047	8.21	1.0191	.17	.50	.0365	16.0	.121
%RSD	4.2846	4.3658	11.299	.08553	.25379	.75278	.31688	6.004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.6526	4.4296	22.019	105.54	4876.7	50.806	5097.1	14.619
Stddev	.1194	.1791	1.494	1.34	15.3	1.785	20.1	.043
%RSD	1.7949	4.0433	6.7876	1.2651	.31442	3.5127	.39504	.29415

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.7491	4956.8	37.590	3.0695	9.014	4.6220	96.159	48.683
Stddev	.0930	17.7	.140	.9165	.551	.9976	.351	.103
%RSD	.95338	.35769	.37234	29.859	6.113	21.583	.36509	.21148

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: CRILL Acquired: 6/3/2013 15:19:43 Type: QC
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	TI1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	10.204	6.8407	17.956	494.20	50.938
Stddev	.471	1.1264	.098	1.90	2.345
%RSD	4.6158	16.467	.54364	.38478	4.6035

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7493.9	5702.8	57061.	10582.
Stddev	15.7	11.1	165.	37.
%RSD	.20925	.19517	.28860	.34675

Sample Name: ICSA Acquired: 6/3/2013 15:23:35 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.18524	511800.	.68222	-.51954	.29439	-.61459	476890.
Stddev	.18127	556.	2.7319	.69820	.12470	.00655	3477.
%RSD	97.856	.10864	400.45	134.39	42.360	1.0655	.72917

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2285	-1.1201	2.4878	-2.4891	191530.	24.749	-33.049
Stddev	.1086	.1428	.1692	.3641	832.	31.330	.878
%RSD	47.55	12.749	6.7994	14.630	.43441	126.59	2.6580

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	508260.	2.0085	-.11608	67.099	-.48287	4.1163	-.3760
Stddev	1085.	.0306	.14647	10.170	.45267	.8037	.9051
%RSD	.21342	1.5240	126.17	15.157	93.745	19.524	240.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: ICSA Acquired: 6/3/2013 15:23:35 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Tl1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F -14.349	4.0485	-.69756	3.4826	.21986	8.3606	-2.4858
Stddev	2.673	.6932	.09876	.7758	2.0917	.1119	3.1518
%RSD	18.626	17.122	14.157	22.277	951.40	1.3382	126.79

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000						
Low Limit	-10.000						

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	5.3884
Stddev	3.3334
%RSD	61.863

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5764.1	4944.3	48296.	9953.2
Stddev	3.8	4.1	298.	23.0
%RSD	.06525	.08391	.61640	.23132

Sample Name: ICSAB Acquired: 6/3/2013 15:27:41 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1082.0	509320.	999.53	499.00	484.74	485.49	472180.
Stddev	.3	1143.	3.53	.84	.66	.28	3077.
%RSD	.02787	.22435	.35343	.16930	.13553	.05671	.65164

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1002.	483.63	471.73	518.70	189560.	10382.	497.23
Stddev	1.	.88	.56	.54	1258.	32.	1.73
%RSD	.0760	.18197	.11799	.10496	.66376	.31035	.34813

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	503910.	493.56	938.48	10471.	964.66	869.35	991.0
Stddev	371.	.39	1.71	17.	1.39	2.08	1.6
%RSD	.07362	.07873	.18247	.16262	.14427	.23945	.1654

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Sample Name: ICSAB Acquired: 6/3/2013 15:27:41 Type: QC
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	973.70	503.58	508.20	942.15	482.64	990.13	9981.2
Stddev	5.30	.28	.37	2.09	2.51	1.15	10.6
%RSD	.54385	.05475	.07246	.22145	.52106	.11594	.10577

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1425.3
Stddev	4.7
%RSD	.32940

Check ?	Chk Pass
Value	
Range	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5734.4	4956.7	48291.	10042.
Stddev	8.4	6.7	98.	20.
%RSD	.14569	.13469	.20329	.19515

Sample Name: CCV Acquired: 6/3/2013 15:31:37 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	994.98	25008.	501.78	4997.9	1959.1	2002.0	50678.	495.5
Stddev	1.75	73.	1.47	5.2	5.7	5.4	85.	.5
%RSD	.17624	.29202	.29343	.10411	.29010	.27026	.16729	.1011

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1953.9	1931.8	1940.1	25294.	49592.	4973.3	50679.	1966.6
Stddev	2.1	9.7	2.8	85.	71.	16.5	216.	11.8
%RSD	.10638	.50180	.14515	.33609	.14340	.33210	.42624	.59970

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1931.3	50372.	1953.8	474.00	499.0	499.83	5027.7	4939.4
Stddev	.4	141.	2.3	1.14	2.7	1.38	5.4	12.1
%RSD	.02287	.27977	.11831	.24069	.5324	.27546	.10645	.24522

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: CCV Acquired: 6/3/2013 15:31:37 Type: QC
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	989.77	1982.5	1986.7	5279.0	4868.8
Stddev	3.30	6.5	5.6	57.4	5.0
%RSD	.33334	.32666	.28256	1.0882	.10345

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6695.5	5478.2	53636.	10231.
Stddev	10.9	6.5	200.	5.
%RSD	.16212	.11869	.37210	.05218

Sample Name: CCB Acquired: 6/3/2013 15:35:27 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.08635	7.3181	-.88023	4.8713	.50208	.23615	196.86	.1523
Stddev	.23537	13.859	1.0390	.9965	.04073	.04445	7.68	.1158
%RSD	272.59	189.38	118.04	20.456	8.1131	18.824	3.8992	76.00

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.08444	-.54804	-.43709	13.243	44.654	.55405	44.144	-.25568
Stddev	.03609	.05602	.94691	1.514	17.008	1.3075	3.162	.01681
%RSD	42.738	10.222	216.64	11.433	38.089	235.98	7.1635	6.5761

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.7929	38.649	-.55624	-.20915	-.0189	1.8813	1.4494	1.0036
Stddev	.2702	11.026	.18940	1.1983	1.250	.9408	.1143	.1910
%RSD	15.071	28.529	34.050	572.94	6626.	50.005	7.8893	19.032

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB Acquired: 6/3/2013 15:35:27 Type: QC
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.2199	.71455	6.5092	7.9907	.84419
Stddev	.2137	.84052	.1068	1.6632	2.9696
%RSD	17.519	117.63	1.6408	20.814	351.76

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7615.2	5671.0	57747.	10517.
Stddev	12.8	10.2	196.	24.
%RSD	.16867	.18015	.33880	.22899

Sample Name: IEC Check As Acquired: 6/3/2013 15:39:31 Type: QC
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.13465	-10.890	4844.7	-1.4800	.26646	.11406	-29.803	.9801
Stddev	.37044	27.016	4.0	.4334	.33927	.26566	18.721	.2882
%RSD	275.11	248.07	.08291	29.284	127.33	232.91	62.818	29.41

Check ?	None	None	None	None	None	None	None	Chk Pass
Value								
Range								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.01142	-.73939	-1.2330	7.5891	10.532	-3.1033	30.321	-.64850
Stddev	.10124	.11793	.3796	8.5227	25.472	.8741	12.390	.02528
%RSD	886.48	15.950	30.785	112.30	241.85	28.168	40.863	3.8988

Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.10292	12.232	-.86764	.09876	-.3722	1.0178	.37282	-.72701
Stddev	.09250	9.941	.12121	.49488	2.029	1.7676	.28327	.01524
%RSD	89.878	81.275	13.970	501.10	545.0	173.67	75.980	2.0968

Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: IEC Check As Acquired: 6/3/2013 15:39:31 Type: QC
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.94392	.70153	-.89545	2.6852	1.8251
Stddev	.92914	.73053	.08368	5.4127	1.6478
%RSD	98.434	104.13	9.3449	201.57	90.285

Check ?	None	None	None	None	None
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7924.2	5830.7	59593.	11024.
Stddev	21.5	25.3	148.	193.
%RSD	.27125	.43401	.24891	1.7535

Sample Name: IEC Check Ti Acquired: 6/3/2013 15:43:34 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.09364	-2.4662	2.2923	-1.7175	.01216	-.01340	-44.665	1.249
Stddev	.18995	12.198	5.2930	.3278	.08655	.01755	.661	.069
%RSD	202.86	494.63	230.90	19.085	711.56	130.93	1.4790	5.535

Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.0326	.19935	3.6024	-1.7303	-37.188	-3.9680	-95.689	-.65987
Stddev	.2859	.19859	.2487	1.7363	41.845	.8384	8.361	.01846
%RSD	27.685	99.616	6.9041	100.35	112.52	21.128	8.7376	2.7978

Check ?	Chk Pass	None	None	None	None	None	None	None
Value								
Range								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.12279	7.5322	-2.2515	.41219	-.8263	-.33549	2.3090	28087.
Stddev	.11048	6.9396	.3961	.43223	1.187	1.1458	.3326	119.
%RSD	89.971	92.132	17.590	104.86	143.6	341.52	14.403	.42193

Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: IEC Check Ti Acquired: 6/3/2013 15:43:34 Type: QC
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.28577	.30315	-.97787	6361.7	-1.1661
Stddev	.78740	1.6168	.19375	1611.5	1.0186
%RSD	275.53	533.35	19.813	25.331	87.352

Check ?	Chk Pass	None	None	None	None
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7755.5	5813.3	58681.	10607.
Stddev	14.4	11.2	211.	29.
%RSD	.18581	.19245	.35907	.26890

Sample Name: IEC Check Co Acquired: 6/3/2013 15:47:45 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.02153	-13.004	-1.9124	-3.0015	.09624	-.08384	-44.791	.2791
Stddev	.17726	7.609	1.6075	.1611	.06806	.02275	3.599	.1136
%RSD	823.27	58.510	84.059	5.3678	70.720	27.129	8.0359	40.70

Check ?	None	None	Chk Pass	None	None	None	None	None
Value								
Range								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9564.0	-.57601	-1.9792	2.1786	-12.922	-2.7826	5.8485	-.75563
Stddev	1.5	.15435	.2518	1.8157	8.481	.3999	8.6792	.01910
%RSD	.01579	26.797	12.720	83.339	65.637	14.372	148.40	2.5271

Check ?	None	None	Chk Pass	None	None	None	None	None
Value								
Range								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.27936	4.9539	-.96345	-.51974	-.4653	1.1350	.45260	7.5756
Stddev	.06648	7.9916	.47654	.30013	.5803	.8999	.31433	.2146
%RSD	23.796	161.32	49.462	57.746	124.7	79.280	69.449	2.8330

Check ?	None	None	Chk Pass	None	Chk Pass	None	None	None
Value								
Range								

Sample Name: IEC Check Co Acquired: 6/3/2013 15:47:45 Type: QC
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.52410	-.79500	-.27210	76.238	.40883
Stddev	.81489	3.8345	.05323	42.069	.63446
%RSD	155.48	482.33	19.563	55.181	155.19

Check ?	Chk Pass	None	None	None	None
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7804.1	5787.5	59284.	10935.
Stddev	10.4	9.0	72.	32.
%RSD	.13371	.15506	.12214	.29466

Sample Name: IEC Check AI Acquired: 6/3/2013 15:51:46 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-0.08353	486610.	-0.00065	-2.6432	.05683	-.07565	-41.949
Stddev	.37848	7719.	1.5356	.2219	.03961	.04855	.142
%RSD	453.08	1.5863	235640.	8.3947	69.700	64.178	.33769

Check ?	None	None	Chk Pass	None	None	None	None
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0668	6.0031	-.79250	2.1499	2.7211	-13.140	-2.6519
Stddev	.1692	9.3314	.17292	.5808	.7471	44.240	.7977
%RSD	253.2	155.44	21.819	27.014	27.455	336.68	30.079

Check ?	None	None	None	None	None	None	None
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.6522	-.90579	.47027	14.458	-.26432	-.00254	.0021
Stddev	12.537	.01722	.13505	8.698	.31394	1.2106	1.950
%RSD	188.47	1.9014	28.719	60.162	118.77	47700.	91570.

Check ?	None	None	None	None	None	Chk Pass	Chk Pass
Value							
Range							

Sample Name: IEC Check AI Acquired: 6/3/2013 15:51:46 Type: QC
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-13.950	1.5274	1.0615	-.25865	.27526	1.8621	15.472
Stddev	.845	.2359	.2581	.64879	1.7188	.1924	4.206
%RSD	6.0564	15.446	24.315	250.84	624.41	10.334	27.186

Check ?	None	None	None	None	None	None	None
Value							
Range							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	-.43927
Stddev	1.4799
%RSD	336.90

Check ?	None
Value	
Range	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6824.7	5680.1	54235.	10966.
Stddev	21.5	17.9	148.	165.
%RSD	.31570	.31558	.27260	1.5083

Sample Name: IEC Check Fe Acquired: 6/3/2013 15:55:43 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.01976	115.52	-3.3323	-4.4294	.00667	-.06185	-23.369
Stddev	.15188	76.78	.8337	.1644	.08945	.02792	1.393
%RSD	768.70	66.466	25.019	3.7113	1340.6	45.142	5.9618

Check ?	None	None	None	None	None	None	None
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0573	3.8862	2.4677	-.00150	475150.	-100.12	-3.1982
Stddev	.2278	.1043	.0824	.68580	4987.	27.54	.2099
%RSD	397.7	2.6838	3.3377	45671.	1.0495	27.512	6.5620

Check ?	Chk Pass	None	None	Chk Pass	None	None	None
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-49.435	5.4405	-1.5939	2.3880	-5.2640	-3.8413	.0140
Stddev	15.148	.0440	.1545	4.5955	.7313	1.2540	1.070
%RSD	30.643	.80843	9.6969	192.44	13.893	32.644	7653.

Check ?	None	None	None	None	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Sample Name: IEC Check Fe Acquired: 6/3/2013 15:55:43 Type: QC
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.7230	3.3108	1.4056	3.8770	.00000	5.4414	-9.3770
Stddev	3.9589	.1849	.1336	.5595	2.3789	.0198	2.6924
%RSD	229.77	5.5837	9.5080	14.431	268e15	.36359	28.713

Check ?	None	None	None	None	Chk Pass	None	None
Value							
Range							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	9.7166
Stddev	2.7584
%RSD	28.389

Check ?	None
Value	
Range	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7331.1	5602.3	55912.	10567.
Stddev	12.3	5.9	287.	44.
%RSD	.16738	.10464	.51391	.42036

Sample Name: IEC Check V Acquired: 6/3/2013 15:59:47 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.36061	-45.741	.91203	-4.5369	.33629	-.00052	-44.454	.4366
Stddev	.42241	414.76	.81977	.1934	.13700	.03409	.475	.0700
%RSD	117.14	906.74	89.885	4.2635	40.740	6567.4	1.0681	16.03

Check ?	None	Chk Pass	None	None	None	Chk Pass	None	None
Value								
Range								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.12007	-1.1884	2.5905	1028.5	-40.576	-4.3045	10.855	-.71639
Stddev	.08815	.3421	.7699	1618.0	34.472	.4688	1.500	.01502
%RSD	73.420	28.791	29.720	157.31	84.957	10.890	13.820	2.0972

Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.4322	-5.4721	-.84440	-1.3956	2.930	-1.4635	-.00252	-.44038
Stddev	.0854	8.6326	.19261	.6372	.736	1.0314	.03486	.15026
%RSD	5.9621	157.76	22.810	45.659	25.13	70.479	1383.7	34.121

Check ?	None	None	None	None	Chk Pass	None	None	None
Value								
Range								

Sample Name: IEC Check V Acquired: 6/3/2013 15:59:47 Type: QC
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.02354	4952.8	-.99088	8.4172	-1.5274
Stddev	.66947	29.0	.09110	3.5477	1.5673
%RSD	2843.4	.58553	9.1939	42.149	102.61

Check ?	Chk Pass	None	None	None	None
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7888.0	5904.6	59443.	10669.
Stddev	18.0	20.6	94.	7.
%RSD	.22829	.34895	.15750	.06469

Sample Name: CCV Acquired: 6/3/2013 16:03:50 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1020.8	24809.	505.00	5132.8	2005.9	2037.4	52117.
Stddev	3.6	97.	.62	2.7	3.5	3.1	87.
%RSD	.35575	.39207	.12229	.05287	.17317	.15010	.16723

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	511.8	2007.4	1922.2	1967.1	25222.	51510.	4951.5
Stddev	.2	2.9	11.4	6.3	45.	42.	9.8
%RSD	.0414	.14385	.59220	.32195	.18034	.08203	.19782

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50601.	1891.9	1956.0	51610.	2012.2	482.91	508.8
Stddev	117.	15.4	1.3	106.	2.8	1.59	2.2
%RSD	.23161	.81233	.06741	.20467	.13728	.32953	.4403

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Sample Name: CCV Acquired: 6/3/2013 16:03:50 Type: QC
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	486.52	5210.3	4962.9	1011.3	2017.3	2059.4	F 5533.9
Stddev	.85	13.7	7.6	1.3	2.7	6.7	74.4
%RSD	.17493	.26219	.15337	.13317	.13577	.32671	1.3446

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value							5000.0
Range							10.500%

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	5048.1
Stddev	11.4
%RSD	.22491

Check ?	Chk Pass
Value	
Range	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6539.6	5395.7	54403.	10140.
Stddev	22.0	13.4	120.	22.
%RSD	.33594	.24849	.22148	.21719

Sample Name: CCB Acquired: 6/3/2013 16:07:46 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.38244	-2.4140	.24368	6.2941	.35358	.24095	182.93	.3035
Stddev	.26134	11.777	.85288	3.7443	.15321	.00498	.87	.4284
%RSD	68.336	487.84	350.00	59.489	43.330	2.0678	.47758	141.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.0741	-.41835	2.6533	8.6886	22.885	1.8139	18.322	-.31126
Stddev	1.5638	.17242	.3662	.9552	9.621	.7003	9.315	.03158
%RSD	145.60	41.214	13.802	10.993	42.041	38.607	50.842	10.147

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.6562	28.193	.43495	.11298	-.4409	.09055	4.2809	1.3193
Stddev	1.6971	1.969	1.4487	.48601	.6582	.80058	4.0084	.0856
%RSD	63.891	6.9847	333.08	430.17	149.3	884.10	93.635	6.4911

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB Acquired: 6/3/2013 16:07:46 Type: QC
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.4320	.11586	7.4776	13.179	-1.2484
Stddev	.9242	1.9861	1.4743	4.695	1.2515
%RSD	64.540	1714.2	19.717	35.624	100.25

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7650.2	5759.0	58089.	10371.
Stddev	18.4	17.7	100.	23.
%RSD	.24110	.30803	.17229	.21863

Sample Name: 240-24781-H-6-A Acquired: 6/3/2013 16:18:13 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .83851	3.8852	.41859	100.22	228.36	- .11933	22667.
Stddev	.22588	3.3448	1.1940	.27	1.79	.06494	193.
%RSD	26.939	86.091	285.24	.27261	.78322	54.419	.84966

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .2196	.17566	- .44419	4.3863	25.274	2213.7	60.954
Stddev	.2438	.08151	.08691	.5745	1.807	76.7	1.352
%RSD	111.1	46.399	19.565	13.098	7.1504	3.4638	2.2186

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8422.2	16.662	.61808	328090.	- .16504	- .29467	1.373
Stddev	80.7	.078	.15667	1545.	.21867	.58093	1.526
%RSD	.95817	.46878	25.348	.47089	132.49	197.15	111.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24781-H-6-A Acquired: 6/3/2013 16:18:13 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.8525	.31977	1.4190	-.14641	2.3599	.09315	305.56
Stddev	1.3493	.08388	.3576	.74192	2.0004	.03654	1.96
%RSD	72.837	26.232	25.204	506.76	84.768	39.228	.64004

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	779.09
Stddev	9.89
%RSD	1.2691

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6620.0	5510.8	54219.	10345.
Stddev	31.8	27.1	326.	2.
%RSD	.48044	.49164	.60188	.01577

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	87.941%	97.495%	95.239%	100.80%
Range				

Sample Name: ZZZZZ Acquired: 6/3/2013 16:22:18 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.37372	1.7630	.37041	-1.7206	.09862	-.17703	-23.018	.0020
Stddev	.10982	14.730	.39317	.0922	.02973	.03027	1.729	.0789
%RSD	29.385	835.49	106.14	5.3588	30.150	17.099	7.5135	4017.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.01070	-.59289	3.5268	-1.6588	54.884	2.5055	9.8031	-.71505
Stddev	.10085	.19954	.4242	.7846	6.070	.3313	8.4997	.00614
%RSD	942.97	33.655	12.028	47.298	11.060	13.221	86.704	.85924

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.25638	125.99	-.65800	-.67245	-.0274	-1.2759	.18071	-.63547
Stddev	.05597	8.52	.13529	.28752	.9468	.3865	.21211	.12559
%RSD	21.830	6.7601	20.561	42.758	3451.	30.290	117.37	19.763

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: ZZZZZ Acquired: 6/3/2013 16:22:18 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.48469	-.62039	-1.2134	-2.8611	.14004
Stddev	.32895	.87290	.0433	2.6007	4.1202
%RSD	67.867	140.70	3.5680	90.898	2942.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7928.9	6000.3	60919.	10539.
Stddev	14.7	8.3	185.	87.
%RSD	.18576	.13783	.30377	.82365

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	105.33%	106.16%	107.01%	102.70%
Range				

Sample Name: 240-24806-j-1-a Acquired: 6/3/2013 16:26:19 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.52389	-.88785	.23798	29.370	67.350	-.26496	151790.
Stddev	.14054	5.3719	.40647	.222	.107	.06789	2029.
%RSD	26.825	605.05	170.80	.75725	.15823	25.621	1.3364

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0905	.55646	-.12263	44.302	1065.6	2306.9	18.145
Stddev	.0420	.03885	.09518	.849	2.1	25.9	.653
%RSD	46.40	6.9818	77.612	1.9165	.20151	1.1208	3.5984

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	33425.	55.262	-.14036	51471.	2.9483	-.99782	-1.705
Stddev	51.	.182	.04647	10.	.0842	1.0729	1.523
%RSD	.15269	.32948	33.106	.01953	2.8547	107.52	89.28

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24806-j-1-a Acquired: 6/3/2013 16:26:19 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.4575	.39578	-.92644	1.1968	.77691	53.728	5158.6
Stddev	2.3187	.54390	.02716	.4959	.16528	.213	5.8
%RSD	94.352	137.42	2.9318	41.436	21.274	.39655	.11293

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	268.21
Stddev	3.19
%RSD	1.1909

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6914.4	5603.4	56086.	10284.
Stddev	25.6	18.9	156.	55.
%RSD	.37080	.33806	.27777	.53306

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.853%	99.133%	98.519%	100.21%
Range				

Sample Name: 240-24831-b-44-a Acquired: 6/3/2013 16:30:21 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.7774	51554.	15.633	74.321	260.81	4.6101	14773.
Stddev	.2183	39.	1.463	.200	.27	.0291	33.
%RSD	12.281	.07585	9.3589	.26955	.10332	.63037	.22106

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.6683	51.963	93.236	216.10	119680.	11566.	95.662
Stddev	.0427	.270	.443	.62	121.	58.	.547
%RSD	6.387	.51876	.47507	.28691	.10086	.50025	.57140

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	25454.	1468.5	1.2152	340.13	125.82	20.448	-.8462
Stddev	34.	12.3	.0497	4.26	.43	.827	.7809
%RSD	.13179	.83511	4.0880	1.2517	.33922	4.0449	92.29

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24831-b-44-a Acquired: 6/3/2013 16:30:21 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .75938	19.600	1135.6	- .74702	268.29	219.77	2916.0
Stddev	.97551	.869	5.8	.59890	1.73	.50	16.0
%RSD	128.46	4.4318	.51251	80.171	.64379	.22969	.54958

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	82.979
Stddev	5.065
%RSD	6.1038

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7258.0	6595.9	66619.	11515.
Stddev	20.4	14.4	337.	35.
%RSD	.28138	.21870	.50588	.30478

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.417%	116.69%	117.02%	112.20%
Range				

Sample Name: 240-24831-b-44-a@5 Acquired: 6/3/2013 16:34:14 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.91421	11630.	4.4481	13.881	59.000	.91628	3332.6	.1189
Stddev	.44184	33.	.6334	.108	.123	.03919	5.7	.0848
%RSD	48.330	.28252	14.240	.77653	.20887	4.2769	.17084	71.30

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.738	20.581	54.766	27254.	2639.6	20.975	5791.2	333.90
Stddev	.092	.218	1.037	48.	21.9	.736	13.0	2.70
%RSD	.86100	1.0612	1.8939	.17724	.82972	3.5077	.22476	.80886

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.10867	76.071	24.904	4.1289	.1515	-.61477	4.4794	251.65
Stddev	.02500	5.746	.194	.2141	.8311	.51496	.2052	1.35
%RSD	23.005	7.5533	.77780	5.1857	548.6	83.764	4.5813	.53811

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24831-b-44-a@5 Acquired: 6/3/2013 16:34:14 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.55545	59.153	44.007	652.10	21.788
Stddev	.34830	.667	.175	6.39	2.541
%RSD	62.706	1.1278	.39808	.98026	11.660

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7647.8	6148.5	62659.	10630.
Stddev	45.6	33.3	217.	40.
%RSD	.59581	.54133	.34648	.37810

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	101.60%	108.78%	110.06%	103.59%
Range				

Sample Name: mb 240-87974/1-a Acquired: 6/3/2013 16:38:06 Type: QC
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-47823	11.241	.46928	-3.4796	.85011	-.17152	377.81
Stddev	.29632	17.783	1.5386	.1043	.05106	.04512	2.90
%RSD	61.962	158.20	327.87	2.9987	6.0064	26.303	.76712

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1336	.22105	-.50104	F 8.0366	42.912	88.039	-1.1069
Stddev	.0475	.24017	.11658	.4214	3.741	31.139	.5574
%RSD	35.57	108.65	23.267	5.2432	8.7189	35.369	50.353

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				5.0000			
Low Limit				-1000.0			

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	64.186	-.20725	-.27025	73.940	-.46288	-.29530	-.0102
Stddev	12.527	.03134	.10788	7.853	.19083	.19931	.5403
%RSD	19.516	15.120	39.919	10.621	41.227	67.495	5308.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: mb 240-87974/1-a Acquired: 6/3/2013 16:38:06 Type: QC
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.93982	.33283	-.78263	.61576	1.4144	F 20.349	52.453
Stddev	1.6089	.39668	.08925	.50691	1.5147	.079	2.024
%RSD	171.19	119.18	11.404	82.322	107.09	.38789	3.8583

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						20.000	
Low Limit						-1000.0	

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	2.5002
Stddev	1.3074
%RSD	52.290

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7966.4	6087.4	61287.	10608.
Stddev	7.6	12.8	119.	36.
%RSD	.09583	.21064	.19494	.33827

Sample Name: lcs 240-87974/2-a Acquired: 6/3/2013 16:42:05 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48.144	1810.7	1911.7	987.89	1864.5	46.976	50193.	46.90
Stddev	.182	13.8	2.2	1.08	.7	.151	136.	.19
%RSD	.37725	.76194	.11379	.10944	.03505	.32131	.27095	.3988

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	475.84	177.79	234.98	950.82	49389.	878.56	47936.	438.80
Stddev	.64	1.63	.16	4.79	124.	.44	316.	3.73
%RSD	.13408	.91812	.06658	.50383	.25113	.04976	.65845	.84931

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	904.00	48169.	481.95	456.33	486.3	1781.7	1951.6	906.92
Stddev	1.63	87.	1.59	.66	2.4	2.0	4.1	4.73
%RSD	.18083	.18127	.33058	.14490	.4877	.11171	.21124	.52120

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: lcs 240-87974/2-a Acquired: 6/3/2013 16:42:05 Type: QC
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1891.5	478.86	510.37	1052.8	959.08
Stddev	4.4	2.45	.61	3.3	4.21
%RSD	.23099	.51106	.11963	.31115	.43878

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7018.1	5739.5	58113.	10273.
Stddev	14.2	6.6	583.	130.
%RSD	.20183	.11513	1.0034	1.2652

Sample Name: 240-24904-g-1-a Acquired: 6/3/2013 16:45:44 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.64883	924.82	1.5158	123.04	16.392	-.19521	54464.	.0011
Stddev	.16931	10.34	1.4059	.27	.187	.01772	132.	.1184
%RSD	26.095	1.1184	92.752	.21830	1.1401	9.0797	.24281	10750.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.04238	11.628	8.4605	178.37	19604.	33.972	933.51	20.355
Stddev	.06758	.137	.4377	.27	73.	.783	16.35	.112
%RSD	159.46	1.1784	5.1737	.14957	.37171	2.3063	1.7514	.55162

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	43.214	13883.	-.34356	-.58495	1.287	4.2024	1.5049	4.3770
Stddev	.149	15.	.09156	.30107	1.075	3.2316	.2080	.1125
%RSD	.34513	.11117	26.651	51.469	83.56	76.900	13.820	2.5703

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24904-g-1-a Acquired: 6/3/2013 16:45:44 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.9026	29.944	4.6596	13513.	228.46
Stddev	.5761	1.907	.0401	42.	1.43
%RSD	19.847	6.3691	.86008	.31227	.62566

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7471.6	5923.6	60053.	10568.
Stddev	11.3	9.7	385.	79.
%RSD	.15115	.16333	.64029	.74347

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.255%	104.80%	105.49%	102.98%
Range				

Sample Name: SD 240-24904-g-1-a@5 Acquired: 6/3/2013 16:49:36 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.37841	187.41	.96019	20.469	3.5155	-.17477	11068.	-.0584
Stddev	.11344	11.78	.78909	.128	.0603	.02871	12.	.1633
%RSD	29.978	6.2842	82.181	.62394	1.7145	16.429	.10573	279.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.09170	1.7183	8.3630	36.336	4068.3	6.1125	205.04	3.6090
Stddev	.10408	.2595	1.0606	.651	43.5	1.1346	6.58	.0306
%RSD	113.51	15.099	12.683	1.7926	1.0686	18.563	3.2098	.84694

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.7078	2795.5	-.46486	-.68269	-.9723	2.4557	.76110	.13544
Stddev	.2412	2.9	.19169	.17230	2.350	.2494	.16237	.20426
%RSD	2.7703	.10446	41.236	25.239	241.7	10.155	21.333	150.81

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: SD 240-24904-g-1-a@5 Acquired: 6/3/2013 16:49:36 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.06376	6.3740	.10759	2740.7	45.970
Stddev	.33872	1.5253	.07273	4.9	1.927
%RSD	531.26	23.930	67.599	.17704	4.1922

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7766.9	5966.5	61580.	10687.
Stddev	57.6	47.9	495.	10.
%RSD	.74103	.80318	.80406	.09486

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	103.18%	105.56%	108.17%	104.14%
Range				

Sample Name: 240-24904-g-1-b.ms Acquired: 6/3/2013 16:53:33 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50.747	2806.0	2021.8	1168.7	1977.0	49.145	105820.
Stddev	.195	12.3	1.8	1.7	3.2	.105	159.
%RSD	.38434	.43719	.08955	.14317	.16280	.21284	.14986

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48.78	501.50	198.29	245.98	1085.6	72170.	953.90
Stddev	.09	.32	1.14	1.48	5.9	137.	3.13
%RSD	.1784	.06359	.57583	.60292	.54121	.18920	.32829

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50121.	475.13	989.49	64040.	506.04	469.83	512.4
Stddev	135.	1.10	.79	79.	1.45	.30	1.9
%RSD	.27005	.23080	.07934	.12362	.28656	.06418	.3760

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24904-g-1-b ms Acquired: 6/3/2013 16:53:33 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1854.2	2085.5	947.58	1978.0	530.10	516.84	14716.
Stddev	2.8	3.8	1.89	2.8	.85	1.41	42.
%RSD	.14959	.18054	.19931	.14185	.15995	.27226	.28286

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1234.3
Stddev	5.2
%RSD	.41776

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6778.6	5653.3	56888.	10281.
Stddev	20.1	14.3	424.	9.
%RSD	.29631	.25234	.74470	.08363

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.048%	100.02%	99.928%	100.19%
Range				

Sample Name: CCV Acquired: 6/3/2013 16:57:14 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1015.4	24277.	507.50	5145.3	1982.4	2033.2	53355.
Stddev	.1	74.	4.22	13.5	2.0	1.4	35.
%RSD	.01014	.30411	.83170	.26195	.10285	.06983	.06600

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	520.3	2024.9	1879.1	1913.8	24582.	53093.	4784.8
Stddev	1.8	7.0	2.5	1.5	37.	82.	3.6
%RSD	.3470	.34355	.13181	.07604	.14891	.15393	.07474

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50106.	F 1788.6	1919.2	51077.	2039.0	481.12	511.5
Stddev	35.	17.4	4.4	17.	6.3	3.47	2.0
%RSD	.07048	.97333	.23150	.03325	.31041	.72123	.3905

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		2000.0					
Range		-10.500%					

Sample Name: CCV Acquired: 6/3/2013 16:57:14 Type: QC
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	462.14	5318.2	4768.1	1008.5	2027.2	2099.4	F 5697.3
Stddev	3.16	16.6	64.9	1.6	3.9	5.8	57.8
%RSD	.68369	.31148	1.3617	.15890	.19354	.27485	1.0153

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value							5000.0
Range							10.500%

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	5246.2
Stddev	8.1
%RSD	.15391

Check ?	Chk Pass
Value	
Range	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6781.5	5679.5	57389.	10284.
Stddev	5.1	5.2	283.	35.
%RSD	.07543	.09177	.49247	.33766

Sample Name: CCB Acquired: 6/3/2013 17:01:10 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.00284	76.380	.11516	5.9398	4.6192	F 3.7439	317.16
Stddev	.08942	86.087	1.4436	4.2953	7.1142	6.2793	213.59
%RSD	3153.0	112.71	1253.6	72.314	154.01	167.72	67.345

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						1.0000	
Low Limit						-1.0000	

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3033	1.2713	-.43807	F 8.8660	49.657	180.81	11.240
Stddev	.5155	1.9674	.11077	.2744	76.636	199.17	15.285
%RSD	170.0	154.76	25.286	3.0947	154.33	110.16	135.99

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				5.0000			
Low Limit				-5.0000			

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124.68	-.32990	2.8849	153.82	.90755	-.47555	-.0843
Stddev	177.97	.03490	2.0325	182.65	2.0825	1.3875	.8798
%RSD	142.75	10.579	70.455	118.74	229.46	291.77	1043.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: CCB Acquired: 6/3/2013 17:01:10 Type: QC
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.5565	4.7501	.93236	1.4731	4.5391	7.9050	20.883
Stddev	.2530	4.7450	.08297	1.5915	6.6178	1.8104	30.302
%RSD	9.8971	99.891	8.8987	108.03	145.79	22.902	145.10

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	8.6869
Stddev	16.685
%RSD	192.07

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7881.4	6015.5	61173.	10351.
Stddev	44.5	38.4	106.	81.
%RSD	.56427	.63789	.17371	.78452

Sample Name: 240-24904-g-1-c msd Acquired: 6/3/2013 17:05:09 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50.854	2778.5	2005.5	1169.7	1965.4	48.806	106840.
Stddev	.565	11.9	1.4	3.8	4.3	.197	272.
%RSD	1.1107	.42701	.06905	.32281	.21762	.40445	.25457

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48.00	499.47	194.83	245.05	1063.5	72511.	944.40
Stddev	.22	.44	.25	.40	.3	267.	2.12
%RSD	.4552	.08850	.12905	.16341	.02615	.36791	.22456

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49686.	463.91	982.74	64256.	504.67	466.81	509.6
Stddev	136.	1.04	.81	57.	.83	1.38	.9
%RSD	.27388	.22464	.08211	.08831	.16419	.29552	.1685

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24904-g-1-c msd Acquired: 6/3/2013 17:05:09 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1809.7	2083.2	932.64	1968.7	527.32	518.07	15028.
Stddev	9.6	2.6	1.57	2.6	3.50	1.37	43.
%RSD	.52968	.12561	.16834	.13322	.66422	.26448	.28889

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1234.9
Stddev	6.8
%RSD	.55067

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6805.2	5702.4	57883.	10303.
Stddev	23.1	14.7	33.	42.
%RSD	.33934	.25860	.05628	.40928

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.402%	100.88%	101.68%	100.39%
Range				

Sample Name: 190-890-a-2-a Acquired: 6/3/2013 17:08:47 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.13814	98.168	2.1643	279.73	52.790	-.03390	76114.	.1481
Stddev	.04859	11.755	.7875	.53	6.408	.34464	452.	.1884
%RSD	35.174	11.974	36.385	.18891	12.139	1016.6	.59321	127.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.33249	.66718	29.959	944.56	21480.	1.8935	21360.	70.238
Stddev	.10590	.22559	.308	.33	150.	2.9084	87.	.239
%RSD	31.851	33.813	1.0276	.03475	.69726	153.60	.40869	.34072

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	225.26	44421.	2.5673	.11055	.7699	2.7988	2.9796	.10222
Stddev	.35	64.	.1613	.63652	4.016	2.8372	.2015	.01928
%RSD	.15646	.14422	6.2830	575.77	521.6	101.37	6.7614	18.862

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 190-890-a-2-a Acquired: 6/3/2013 17:08:47 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.8847	2.5977	208.15	5411.0	102.86
Stddev	.2514	2.9970	.21	18.7	5.13
%RSD	13.336	115.37	.10225	.34510	4.9920

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7165.9	5823.5	59675.	10752.
Stddev	5.3	2.4	287.	143.
%RSD	.07461	.04071	.48124	1.3336

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.194%	103.03%	104.82%	104.77%
Range				

Sample Name: 190-891-a-2-a Acquired: 6/3/2013 17:12:38 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.38950	29.880	2.1435	4899.0	51.347	-.35867	128170.
Stddev	.36678	3.938	.6592	10.3	.087	.04011	1166.
%RSD	94.165	13.180	30.755	.21070	.17024	11.183	.90992

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1049	4.1283	1.1809	49.390	513.66	97598.	4.3226
Stddev	.0419	.3933	.1719	.080	.83	255.	1.9591
%RSD	39.94	9.5280	14.559	.16175	.16067	.26118	45.322

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	43398.	108.27	420.38	123280.	36.424	-1.9641	.5458
Stddev	90.	.10	.27	166.	.168	.5117	1.385
%RSD	.20642	.08836	.06500	.13426	.46244	26.051	253.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 190-891-a-2-a Acquired: 6/3/2013 17:12:38 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.4827	1.3664	-.81167	.35582	2.5132	53.340	17858.
Stddev	2.7448	.5509	.05466	.17723	1.2328	.162	53.
%RSD	110.56	40.314	6.7347	49.808	49.051	.30356	.29525

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	160.27
Stddev	2.17
%RSD	1.3536

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6667.5	5616.9	56978.	10447.
Stddev	8.8	4.9	314.	101.
%RSD	.13187	.08765	.55162	.96578

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	88.572%	99.373%	100.09%	101.81%
Range				

Sample Name: 190-893-a-1-a Acquired: 6/3/2013 17:16:36 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .46381	52.746	2.4996	102.48	3.6494	- .21863	33845.	- .0466
Stddev	.07736	9.296	1.6393	.64	.1066	.04916	108.	.0891
%RSD	16.679	17.624	65.584	.62125	2.9216	22.485	.31964	191.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.22270	.47180	12.063	77.499	13494.	6.2586	8247.5	268.96
Stddev	.04159	.16532	.856	1.373	101.	.8848	33.4	.60
%RSD	18.675	35.040	7.0976	1.7718	.74624	14.137	.40470	.22178

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49.229	83598.	773.75	.27947	1.433	2.6816	8.1363	- .54262
Stddev	.060	150.	.08	.71775	.397	2.0935	.0925	.16682
%RSD	.12183	.17889	.01007	256.83	27.69	78.070	1.1367	30.743

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 190-893-a-1-a Acquired: 6/3/2013 17:16:36 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.40859	1.4353	262.15	3679.9	50.545
Stddev	.43543	.2536	.25	11.2	1.465
%RSD	106.57	17.670	.09438	.30403	2.8988

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7280.1	5886.4	59799.	10639.
Stddev	2.4	6.6	120.	52.
%RSD	.03298	.11162	.20045	.49021

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.710%	104.14%	105.04%	103.68%
Range				

Sample Name: 190-896-a-1-a Acquired: 6/3/2013 17:20:29 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.79198	14.963	3.4906	F 22691.	4.5890	-.12073	35489.
Stddev	.59860	11.871	.6148	21.	.6849	.17025	35.
%RSD	75.582	79.335	17.611	.09297	14.926	141.01	.09955

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				20000.			
Low Limit				-500000.			

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0468	24.437	4.7446	8.8214	663.00	300090.	37.480
Stddev	.0193	.384	.1502	.1791	1.40	2823.	2.104
%RSD	41.34	1.5695	3.1661	2.0307	.21042	.94065	5.6136

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	37309.	649.65	53.920	446930.	190.05	-3.6275	7.380
Stddev	242.	2.60	.321	1624.	.13	.7194	1.667
%RSD	.64809	.40064	.59584	.36329	.07085	19.832	22.59

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 190-896-a-1-a Acquired: 6/3/2013 17:20:29 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.3753	2.1653	-59935	-1.7698	4.6708	73.324	35402.
Stddev	1.2072	.3092	.15090	.5676	1.7518	.136	436.
%RSD	12.877	14.280	25.178	32.073	37.506	.18564	1.2318

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	45.373
Stddev	2.506
%RSD	5.5227

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6364.9	5493.8	54903.	10585.
Stddev	7.6	7.4	216.	80.
%RSD	.11989	.13411	.39310	.75303

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	84.553%	97.194%	96.441%	103.15%
Range				

Sample Name: 240-24904-h-1-a Acquired: 6/3/2013 17:24:28 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.23699	812.89	1.6937	158.09	14.614	-.24193	51612.	-.0718
Stddev	.09516	8.39	1.9836	24.74	.072	.03306	99.	.1035
%RSD	40.152	1.0319	117.12	15.651	.49160	13.666	.19154	144.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.14338	10.956	10.470	4.6518	18960.	35.857	949.93	15.731
Stddev	.12196	.144	.105	.1698	18.	.706	18.76	.050
%RSD	85.059	1.3134	1.0006	3.6512	.09627	1.9696	1.9748	.31946

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	40.420	13541.	-.26768	-.51363	-.4559	5.7273	.70772	-1.0011
Stddev	.229	22.	.48099	.75299	.4257	.7473	.15214	.2617
%RSD	.56622	.16328	179.69	146.60	93.38	13.048	21.497	26.139

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24904-h-1-a Acquired: 6/3/2013 17:24:28 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.2118	27.754	2.7009	13032.	218.72
Stddev	.2238	2.208	.2243	26.	3.47
%RSD	18.473	7.9556	8.3029	.19632	1.5843

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7557.8	6004.9	60610.	10666.
Stddev	23.9	20.6	254.	110.
%RSD	.31591	.34270	.41917	1.0282

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.40%	106.24%	106.47%	103.94%
Range				

Sample Name: 240-24904-g-2-a Acquired: 6/3/2013 17:28:22 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.70136	6015.8	3.4499	131.94	220.69	-.02490	121010.
Stddev	.38536	9.5	2.2336	.97	.15	.04825	805.
%RSD	54.945	.15823	64.745	.73852	.06679	193.79	.66557

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1943	4.9775	10.240	45.334	6724.2	3539.7	12.450
Stddev	.1096	.2392	.043	.539	14.0	5.7	.282
%RSD	56.40	4.8048	.41904	1.1900	.20750	.16032	2.2631

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	57807.	456.81	.85483	30939.	11.326	1.4313	1.077
Stddev	22.	.82	.12825	29.	.372	.3618	1.750
%RSD	.03779	.17872	15.003	.09278	3.2870	25.281	162.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24904-g-2-a Acquired: 6/3/2013 17:28:22 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.2735	1.5420	220.20	.60189	17.226	50.737	26640.
Stddev	2.2844	.1733	2.69	.58469	.429	.272	49.
%RSD	100.48	11.236	1.2220	97.143	2.4877	.53652	.18429

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	254.96
Stddev	.37
%RSD	.14334

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7003.7	5847.0	59301.	10312.
Stddev	34.4	23.5	145.	26.
%RSD	.49100	.40233	.24400	.25053

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	93.039%	103.44%	104.17%	100.48%
Range				

Sample Name: 240-24904-h-2-a Acquired: 6/3/2013 17:32:20 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-46657	8.5223	.65841	124.23	132.96	-.28400	115220.
Stddev	.22867	4.9182	.83240	.67	.10	.01855	376.
%RSD	49.011	57.710	126.42	.54242	.07520	6.5331	.32644

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0082	.22572	1.5998	17.022	1.9318	1700.7	7.8805
Stddev	.1164	.11397	.0418	.998	.5988	17.7	.9443
%RSD	1412.	50.493	2.6106	5.8626	30.995	1.0381	11.983

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	53871.	3.1063	.55181	30118.	.30127	-.61768	-2.140
Stddev	265.	.0389	.05040	58.	.29115	.57584	.530
%RSD	.49142	1.2528	9.1327	.19385	96.639	93.227	24.76

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24904-h-2-a Acquired: 6/3/2013 17:32:20 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.1280	.59965	-.97352	.50772	2.5371	38.593	12544.
Stddev	3.8490	.37575	.21297	.49821	1.9323	.182	14.
%RSD	123.05	62.662	21.877	98.127	76.164	.47185	.11386

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	242.06
Stddev	3.33
%RSD	1.3737

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7064.7	5758.2	58591.	10225.
Stddev	3.3	1.9	101.	127.
%RSD	.04727	.03235	.17168	1.2407

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	93.850%	101.87%	102.92%	99.635%
Range				

Sample Name: 240-24904-g-3-a Acquired: 6/3/2013 17:36:12 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.65585	842.09	1.3701	102.34	91.084	-.27594	112390.
Stddev	.15057	14.03	.2612	.33	.056	.00933	225.
%RSD	22.958	1.6656	19.067	.32371	.06189	3.3802	.20022

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0031	1.1529	.62909	10.334	1917.9	25249.	50.525
Stddev	.0382	.1352	.08326	.700	2.4	77.	.525
%RSD	1232.	11.724	13.235	6.7736	.12486	.30361	1.0393

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	561.85	60.926	15.525	23560.	1.1867	.57694	-.5513
Stddev	13.45	.177	.055	8.	.1860	.18855	.6834
%RSD	2.3939	.29113	.35453	.03378	15.672	32.681	124.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24904-g-3-a Acquired: 6/3/2013 17:36:12 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.4212	.65721	12.854	.91203	23.842	10.326	6182.5
Stddev	.6625	.07049	.068	.24699	3.864	.032	13.2
%RSD	14.985	10.726	.52946	27.082	16.206	.30940	.21287

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	554.97
Stddev	3.29
%RSD	.59194

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7288.2	5860.2	58867.	10256.
Stddev	15.4	11.2	155.	19.
%RSD	.21196	.19071	.26323	.18371

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.817%	103.68%	103.40%	99.941%
Range				

Sample Name: 240-24904-h-3-a Acquired: 6/3/2013 17:40:07 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.38571	522.17	1.4429	99.338	88.791	-.28719	112030.
Stddev	.23177	4.01	1.6331	.138	.068	.02783	176.
%RSD	60.090	.76784	113.18	.13933	.07603	9.6894	.15695

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0335	.69680	.17466	9.2325	9.8123	25362.	50.179
Stddev	.0852	.13538	.01930	1.0337	1.5995	46.	.442
%RSD	253.9	19.428	11.053	11.196	16.301	.18162	.88012

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	300.62	-.33216	15.056	22275.	1.1040	-2.7503	-1.319
Stddev	10.99	.16728	.066	29.	.2225	1.0985	1.237
%RSD	3.6570	50.363	.43960	.13067	20.151	39.942	93.83

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24904-h-3-a Acquired: 6/3/2013 17:40:07 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.9951	.78987	-1.1132	1.2704	21.902	3.3857	5119.7
Stddev	2.4685	.13745	.1297	.5379	.902	.0281	13.2
%RSD	61.789	17.402	11.654	42.339	4.1168	.83006	.25826

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	562.73
Stddev	3.32
%RSD	.58915

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7283.7	5853.3	59751.	10414.
Stddev	2.2	6.9	304.	99.
%RSD	.02990	.11810	.50904	.95092

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.758%	103.55%	104.96%	101.48%
Range				

Sample Name: CCV Acquired: 6/3/2013 17:44:04 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	989.47	23780.	495.22	5039.6	1925.3	1980.1	52563.
Stddev	.91	59.	1.85	19.0	4.8	1.0	88.
%RSD	.09244	.24660	.37419	.37643	.24826	.04895	.16798

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	508.6	1983.9	1846.5	1854.0	24058.	52189.	4652.0
Stddev	2.9	.4	.4	1.2	28.	121.	6.8
%RSD	.5623	.02060	.02226	.06604	.11669	.23118	.14714

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49573.	F 1744.9	1874.2	49818.	^F *****	k 475.00	497.9
Stddev	42.	19.9	4.5	104.	-----	5.86	2.0
%RSD	.08546	1.1384	.24265	.20927	-----	1.2346	.3987

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value		2000.0			2000.0		
Range		-10.500%			-10.500%		

Sample Name: CCV Acquired: 6/3/2013 17:44:04 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	452.42	5222.5	4620.0	987.81	1988.7	[^] F *****	F 5543.7
Stddev	1.70	15.2	8.8	1.86	8.8	-----	64.1
%RSD	.37658	.29082	.19012	.18827	.44374	-----	1.1560

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail
Value						2000.0	5000.0
Range						-10.500%	10.500%

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	5176.8
Stddev	20.6
%RSD	.39705

Check ?	Chk Pass
Value	
Range	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6726.1	5633.3	57842.	10110.
Stddev	133.5	114.7	182.	39.
%RSD	1.9844	2.0356	.31478	.38706

Sample Name: CCB Acquired: 6/3/2013 17:48:00 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .27753	21.538	.10028	6.1497	.48145	.14358	189.92
Stddev	.29002	6.565	1.1660	.7465	.10574	.02838	1.52
%RSD	104.50	30.483	1162.7	12.138	21.963	19.767	.79924

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .0232	.05501	- .75061	F 9.3690	4.6317	83.546	1.5056
Stddev	.1760	.02935	.18130	.1441	.2184	21.551	1.1327
%RSD	759.7	53.345	24.154	1.5377	4.7155	25.795	75.228

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				5.0000			
Low Limit				-5.0000			

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19.914	- .26223	1.5321	40.550	- .23025	.04057	.6397
Stddev	.963	.10941	.0274	1.723	.20491	.62440	.6530
%RSD	4.8351	41.723	1.7874	4.2501	88.992	1539.1	102.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: CCB Acquired: 6/3/2013 17:48:00 Type: QC
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.5766	1.9320	.82949	.84338	.04431	6.7378	6.6787
Stddev	1.6893	.1857	.38180	.20677	2.4956	.0756	4.2707
%RSD	107.15	9.6112	46.028	24.517	5631.6	1.1225	63.945

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	.97594
Stddev	.69187
%RSD	70.892

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7985.4	6101.1	63144.	10693.
Stddev	25.7	21.9	161.	96.
%RSD	.32149	.35878	.25455	.89901

Sample Name: 240-24904-g-4-a Acquired: 6/3/2013 17:52:00 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .75996	581.79	5.8670	222.43	14.440	- .21725	105330.
Stddev	.31089	11.89	.1348	.31	.123	.01912	365.
%RSD	40.908	2.0442	2.2974	.13986	.85383	8.8005	.34664

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .0265	3.8961	- .15144	21.016	352.47	8976.6	- 4.9433
Stddev	.0773	.1307	.05381	.709	1.50	38.7	.5437
%RSD	291.6	3.3538	35.529	3.3727	.42500	.43120	10.999

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	570.08	7.0271	19.376	20907.	4.3378	- .60627	.4419
Stddev	12.10	.0102	.090	10.	.1512	.37519	.7888
%RSD	2.1230	.14551	.46575	.04816	3.4850	61.886	178.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24904-g-4-a Acquired: 6/3/2013 17:52:00 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.5004	.83486	3.5026	1.1932	22.864	15.939	8677.8
Stddev	2.4763	.29454	.1581	.8840	1.079	.175	25.3
%RSD	70.744	35.280	4.5134	74.085	4.7181	1.0957	.29114

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	252.67
Stddev	5.89
%RSD	2.3301

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7310.7	5828.0	59457.	10393.
Stddev	12.9	8.6	277.	183.
%RSD	.17616	.14744	.46581	1.7649

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.117%	103.11%	104.44%	101.28%
Range				

Sample Name: 240-24904-h-4-a Acquired: 6/3/2013 17:55:53 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-0.34934	467.89	5.9850	214.89	12.124	-0.25551	102140.
Stddev	.08490	2.54	1.0119	.70	.079	.02842	222.
%RSD	24.303	.54354	16.908	.32493	.65286	11.122	.21709

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-0.0810	3.3529	-0.33437	8.9461	172.66	8516.6	-6.0750
Stddev	.0691	.0316	.01273	.4741	1.35	18.9	.6702
%RSD	85.25	.94321	3.8068	5.2993	.78147	.22153	11.032

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	568.00	2.7944	17.371	20242.	3.6643	-0.91057	-0.1974
Stddev	7.56	.0692	.140	46.	.0167	.69840	.9260
%RSD	1.3311	2.4764	.80416	.22921	.45550	76.699	469.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24904-h-4-a Acquired: 6/3/2013 17:55:53 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.8911	.77899	-1.0045	.26373	21.789	2.2002	8374.1
Stddev	1.4494	.38911	.0437	.33072	1.202	.0926	4.7
%RSD	29.633	49.951	4.3509	125.40	5.5182	4.2090	.05612

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	238.23
Stddev	2.51
%RSD	1.0540

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7271.4	5797.0	59072.	10388.
Stddev	23.8	18.4	222.	45.
%RSD	.32787	.31773	.37515	.43324

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.594%	102.56%	103.76%	101.22%
Range				

Sample Name: 240-24910-c-1-a Acquired: 6/3/2013 17:59:47 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.38574	800.43	1.8128	14.082	18.263	-.14640	13462.	-.0738
Stddev	.13924	21.54	.5238	.134	.131	.03309	17.	.0262
%RSD	36.095	2.6914	28.893	.95502	.71832	22.600	.12277	35.56

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.46834	.37513	11.523	1368.4	1578.5	-.47125	6579.3	49.775
Stddev	.05043	.14915	.258	2.6	16.7	.73025	25.0	.301
%RSD	10.768	39.761	2.2362	.19147	1.0558	154.96	.38071	.60529

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.16339	4882.8	.96877	-.33981	.5832	-.60109	.49154	25.912
Stddev	.09096	8.2	.11756	.65413	1.355	.45957	.20867	.114
%RSD	55.672	.16727	12.135	192.49	232.4	76.456	42.451	.44126

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24910-c-1-a Acquired: 6/3/2013 17:59:47 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.98942	3.5015	8.9924	4875.1	40.190
Stddev	.24055	.6069	.0596	6.7	3.351
%RSD	24.312	17.332	.66261	.13822	8.3381

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7634.3	6009.2	61630.	10545.
Stddev	20.4	20.6	215.	59.
%RSD	.26683	.34260	.34809	.55628

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	101.42%	106.31%	108.26%	102.76%
Range				

Sample Name: 240-24910-c-2-a Acquired: 6/3/2013 18:03:42 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.31435	767.52	1.6000	12.733	19.854	-.11413	14422.	-.0491
Stddev	.45957	4.23	.3202	.092	.138	.07710	29.	.1086
%RSD	146.20	.55171	20.015	.72208	.69723	67.561	.19805	221.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.50787	.53368	12.455	1267.9	1650.5	.45684	6861.8	50.293
Stddev	.16419	.06369	.703	4.7	22.5	1.1376	22.9	.082
%RSD	32.328	11.933	5.6417	.37103	1.3644	249.01	.33393	.16259

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.18291	5020.8	1.2570	-.28252	-.6373	-.05669	.18624	20.695
Stddev	.05385	18.5	.1577	.62959	.6227	.61831	.37578	.128
%RSD	29.441	.36804	12.544	222.85	97.71	1090.7	201.77	.61849

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24910-c-2-a Acquired: 6/3/2013 18:03:42 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.33822	1.9987	19.369	4878.4	42.783
Stddev	.36643	.7373	.024	22.3	1.970
%RSD	108.34	36.888	.12509	.45734	4.6053

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7656.5	6016.5	61592.	10676.
Stddev	11.2	7.2	111.	36.
%RSD	.14651	.12050	.18069	.33943

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	101.71%	106.44%	108.19%	104.03%
Range				

Sample Name: 240-24989-d-1-a Acquired: 6/3/2013 18:07:38 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-0.07174	1758.5	2.3550	166.05	115.24	-0.24213	118830.
Stddev	.30086	3.8	1.0641	.54	.25	.01046	76.
%RSD	419.39	.21431	45.185	.32662	.21510	4.3197	.06419

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0004	1.8420	2.0013	12.629	1897.2	19694.	-5.9192
Stddev	.0745	.2236	.0372	.443	5.9	47.	1.2808
%RSD	19290.	12.140	1.8575	3.5095	.31014	.23919	21.638

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	66597.	1284.8	2.5112	39612.	5.9494	.17139	-2.028
Stddev	316.	3.9	.0544	46.	.5610	.05879	1.418
%RSD	.47414	.30668	2.1661	.11560	9.4292	34.303	69.93

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24989-d-1-a Acquired: 6/3/2013 18:07:38 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.82509	.59096	19.648	.95859	4.6441	23.052	3226.1
Stddev	2.0309	.18359	.691	.46811	.7517	.212	22.9
%RSD	246.15	31.066	3.5171	48.833	16.187	.92051	.70946

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	560.24
Stddev	4.07
%RSD	.72584

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6996.8	5690.6	57769.	10207.
Stddev	34.8	20.9	92.	23.
%RSD	.49789	.36686	.15920	.22798

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.948%	100.68%	101.48%	99.460%
Range				

Sample Name: 240-24989-d-2-a Acquired: 6/3/2013 18:11:29 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.21712	529.00	3.0167	57.854	19.129	-.16184	52273.	-.1336
Stddev	.41904	8.41	.6536	.529	.172	.03674	54.	.0688
%RSD	193.00	1.5903	21.666	.91382	.90139	22.703	.10413	51.47

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.0198	.35748	10.522	992.75	3465.4	.04407	26972.	122.63
Stddev	.1082	.10689	.360	1.27	30.0	.87707	115.	.38
%RSD	10.609	29.902	3.4237	.12787	.86556	1990.4	.42465	.31303

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.71675	4690.7	4.6281	-.35584	-1.059	.72999	.11618	4.2351
Stddev	.04533	7.1	1.0947	.63993	1.744	3.2284	.29841	.1096
%RSD	6.3248	.15100	23.654	179.84	164.7	442.25	256.86	2.5876

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24989-d-2-a Acquired: 6/3/2013 18:11:29 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.69677	4.1504	9.1319	1061.4	78.902
Stddev	.78681	1.1466	1.2978	7.5	4.730
%RSD	112.92	27.625	14.212	.70692	5.9946

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7302.2	5808.8	59227.	10225.
Stddev	21.4	18.9	141.	42.
%RSD	.29256	.32466	.23857	.41046

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.004%	102.77%	104.04%	99.638%
Range				

Sample Name: 240-25023-a-1-a Acquired: 6/3/2013 18:15:23 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .48664	6836.8	8.8221	107.25	242.91	.16719	98159.	.8834
Stddev	.11896	22.9	.2557	.51	.99	.02692	185.	.1248
%RSD	24.445	.33468	2.8985	.47603	.40587	16.101	.18894	14.13

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.2060	103.32	25.740	8630.3	6144.7	14.627	30129.	556.58
Stddev	.1451	.55	.129	38.7	43.5	.597	47.	1.74
%RSD	2.3376	.53293	.50168	.44825	.70732	4.0810	.15692	.31239

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.6539	82474.	13.833	20.616	-1.588	.61662	3.5925	89.739
Stddev	.0695	389.	.497	.809	.902	1.1790	.1416	.409
%RSD	2.6199	.47110	3.5962	3.9229	56.81	191.20	3.9405	.45551

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-25023-a-1-a Acquired: 6/3/2013 18:15:23 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.3668	13.626	212.91	16823.	645.76
Stddev	.5998	.746	.54	52.	2.58
%RSD	43.888	5.4737	.25472	.30809	.40004

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6845.0	5686.7	57918.	10390.
Stddev	15.0	9.7	135.	9.
%RSD	.21923	.17036	.23358	.08957

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.930%	100.61%	101.74%	101.24%
Range				

Sample Name: 240-25040-b-2-a Acquired: 6/3/2013 18:19:13 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.25045	220.07	1.0091	170.45	55.977	-.30837	151250.
Stddev	.46164	19.47	1.9273	.44	.183	.01765	729.
%RSD	184.33	8.8488	190.98	.25739	.32645	5.7244	.48206

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1316	.27885	4.9475	14.016	221.96	7604.3	1.1841
Stddev	.1587	.05256	.2052	.949	1.05	33.5	.2545
%RSD	120.6	18.848	4.1483	6.7705	.47258	.44119	21.495

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	43496.	140.40	255.61	111810.	16.990	.41514	1.279
Stddev	72.	.55	.20	66.	.340	1.2006	.713
%RSD	.16456	.39101	.07829	.05869	2.0002	289.20	55.74

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-25040-b-2-a Acquired: 6/3/2013 18:19:13 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.4349	1.3333	-1.0506	.42914	.65245	70.296	5019.5
Stddev	1.9388	.3382	.1629	.48137	1.9381	.114	19.0
%RSD	135.12	25.361	15.507	112.17	297.05	.16229	.37893

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	200.83
Stddev	1.54
%RSD	.76481

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6699.7	5510.5	56245.	10041.
Stddev	14.0	11.0	154.	33.
%RSD	.20957	.20051	.27308	.32795

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	89.000%	97.490%	98.798%	97.846%
Range				

Sample Name: 600-73717-a-1-a Acquired: 6/3/2013 18:23:13 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.67777	127.43	13.038	1026.9	43.313	-.37876
Stddev	.42763	1.87	1.234	2.9	.190	.05454
%RSD	63.093	1.4684	9.4645	.28367	.43856	14.401

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	227600.	.1800	.25799	7.0698	7.8079	135.81
Stddev	466.	.0256	.18209	.0860	.1137	.15
%RSD	.20471	14.20	70.578	1.2162	1.4560	.11317

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	69156.	195.65	36927.	212.60	50.008	F 1232700.
Stddev	258.	.86	116.	.55	.219	20354.
%RSD	.37252	.43909	.31355	.25846	.43756	1.6512

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500000.
Low Limit						-500000.

Sample Name: 600-73717-a-1-a Acquired: 6/3/2013 18:23:13 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.5696	-1.8190	-1.632	.12674	1.2122	-.61118
Stddev	.5820	.2473	.572	3.4378	.2070	.14625
%RSD	6.0813	13.596	35.02	2712.4	17.073	23.929

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.2486	1.9935	54.182	7400.3	4963.3
Stddev	.8270	1.4752	.307	14.6	10.5
%RSD	66.230	73.997	.56619	.19759	.21093

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5646.3	4977.8	49095.	9635.3
Stddev	22.1	15.0	249.	52.7
%RSD	.39224	.30218	.50686	.54746

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	75.007%	88.065%	86.240%	93.892%
Range				

Sample Name: 240-25051-p-1-b Acquired: 6/3/2013 18:27:21 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .66378	26.240	1.0076	35.840	42.289	- .15099	8852.6	- .1072
Stddev	.20690	13.205	1.2131	.323	.356	.02146	6.8	.0697
%RSD	31.170	50.323	120.40	.90194	.84234	14.211	.07730	65.04

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.32496	- .08421	10.451	17.682	2911.2	17.775	1023.6	3.2738
Stddev	.06794	.13306	.346	.951	37.7	1.654	3.1	.0153
%RSD	20.907	158.00	3.3151	5.3771	1.2966	9.3030	.30517	.46779

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.2816	40672.	.83826	- .75838	.0430	- 1.6394	.55068	- .97212
Stddev	.0954	52.	.07446	.66392	.1062	1.1492	.25126	.07552
%RSD	4.1791	.12727	8.8824	87.544	246.8	70.102	45.627	7.7688

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-25051-p-1-b Acquired: 6/3/2013 18:27:21 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.12868	2.2467	4.1633	542.63	163.45
Stddev	.65697	.7734	.1165	4.44	1.74
%RSD	510.54	34.422	2.7987	.81864	1.0666

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7317.1	5788.8	59285.	10210.
Stddev	6.9	5.4	156.	24.
%RSD	.09454	.09351	.26300	.23993

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.201%	102.41%	104.14%	99.491%
Range				

Sample Name: CCV Acquired: 6/3/2013 18:31:19 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1013.2	24648.	510.45	5130.1	1994.0	2009.8	53599.
Stddev	2.2	65.	1.52	7.3	.5	1.7	46.
%RSD	.21362	.26438	.29795	.14254	.02308	.08697	.08581

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	521.2	2027.2	1875.4	1900.6	24637.	53875.	4789.9
Stddev	1.4	5.2	4.8	2.4	52.	58.	7.2
%RSD	.2619	.25449	.25663	.12652	.21013	.10851	.14988

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50019.	F 1755.6	1918.0	50947.	2037.1	481.14	509.0
Stddev	140.	2.6	1.4	54.	5.3	.90	2.3
%RSD	.28074	.14666	.07319	.10657	.26194	.18769	.4513

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		2000.0					
Range		-10.500%					

Sample Name: CCV Acquired: 6/3/2013 18:31:19 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	464.54	5340.3	4664.5	1005.7	2059.6	2102.4	F 5678.8
Stddev	3.09	16.0	3.7	3.0	4.5	8.3	62.2
%RSD	.66592	.29973	.07946	.29883	.21899	.39674	1.0956

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value							5000.0
Range							10.500%

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	5344.8
Stddev	8.0
%RSD	.14941

Check ?	Chk Pass
Value	
Range	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6723.0	5631.0	57471.	9957.8
Stddev	14.4	5.1	307.	49.9
%RSD	.21400	.09092	.53428	.50099

Sample Name: CCB Acquired: 6/3/2013 18:35:15 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-0.06344	7.8755	.19480	5.4196	.52615	.20497	195.94
Stddev	.26215	4.6215	1.4598	3.8137	.05957	.04838	3.21
%RSD	413.25	58.683	749.39	70.368	11.323	23.602	1.6358

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2117	.90211	-.66257	F 10.301	5.9164	109.60	-.00130
Stddev	.3634	1.2717	.16385	.106	1.3080	11.32	1.8468
%RSD	171.7	140.97	24.729	1.0325	22.108	10.332	142300.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				5.0000			
Low Limit				-5.0000			

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	22.784	-.31254	2.3333	117.54	.51465	.32214	-.3284
Stddev	8.743	.02475	1.5526	12.98	1.6194	.54858	1.036
%RSD	38.374	7.9202	66.542	11.043	314.66	170.29	315.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: CCB Acquired: 6/3/2013 18:35:15 Type: QC
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.4836	4.0470	.63408	.29269	.25846	7.7448	5.5226
Stddev	.3719	3.9863	.03438	.34932	.40675	1.3214	8.2758
%RSD	25.067	98.499	5.4213	119.35	157.37	17.062	149.85

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	-.76255
Stddev	1.8453
%RSD	241.99

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7784.6	5938.2	61029.	10062.
Stddev	10.4	10.8	432.	18.
%RSD	.13362	.18241	.70813	.17757

Sample Name: 240-25051-p-1-b@10 Acquired: 6/3/2013 18:39:15 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.12251	.04746	.81203	2.4095	5.4767	-.05362	877.65	.1010
Stddev	.19262	10.327	.90072	.2460	.1292	.01906	3.40	.1229
%RSD	157.23	21759.	110.92	10.208	2.3591	35.555	.38764	121.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.04726	-.77174	9.1667	3.3856	324.73	.26501	117.77	-.23803
Stddev	.15280	.19293	.3779	.8059	12.95	.43464	6.99	.01668
%RSD	323.32	25.000	4.1227	23.805	3.9891	164.01	5.9379	7.0080

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.26778	4194.4	-.13527	-1.0319	-1.899	-.32073	.70373	-.52202
Stddev	.03420	7.1	.07351	.9513	.644	1.1586	.13333	.03162
%RSD	12.770	.17024	54.343	92.188	33.93	361.25	18.946	6.0566

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-25051-p-1-b@10 Acquired: 6/3/2013 18:39:15 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.66352	.34947	4.1819	48.534	13.348
Stddev	.69733	.43744	.1126	3.066	3.463
%RSD	105.10	125.17	2.6923	6.3172	25.942

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7662.4	5878.5	60473.	10188.
Stddev	10.3	7.3	225.	21.
%RSD	.13475	.12483	.37286	.21096

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	101.79%	104.00%	106.22%	99.274%
Range				

Sample Name: mb 240-87637/1-a Acquired: 6/3/2013 18:43:15 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-20666	2.3209	.90810	-2.2383	1.1029	-.14247	216.60
Stddev	.16740	5.0943	1.5039	.1701	.0867	.02489	2.05
%RSD	81.000	219.50	165.61	7.5992	7.8604	17.471	.94584

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0846	-.01065	-.83447	F 10.307	16.941	63.660	-1.9414
Stddev	.1286	.16867	.14942	.309	1.266	43.559	1.6189
%RSD	151.9	1584.5	17.906	3.0027	7.4744	68.425	83.387

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				5.0000			
Low Limit				-1000.0			

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	74.445	-.05723	-.03271	115.09	-.33325	-.79942	.2985
Stddev	20.557	.01781	.09968	5.24	.15479	.74795	1.653
%RSD	27.614	31.122	304.77	4.5542	46.448	93.561	553.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: mb 240-87637/1-a Acquired: 6/3/2013 18:43:15 Type: QC
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-82283	84360	-77497	-35692	1.1516	8.2534	19.073
Stddev	.15400	.56132	.07908	.27848	1.8309	.0248	5.987
%RSD	18.716	66.539	10.204	78.024	158.98	.30060	31.389

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	-2.8907
Stddev	1.3412
%RSD	46.398

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7787.9	5946.9	61755.	10477.
Stddev	27.5	13.8	335.	48.
%RSD	.35294	.23222	.54296	.45593

Sample Name: lcs 240-87637/2-a Acquired: 6/3/2013 18:47:15 Type: QC
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49.633	1890.5	1968.9	1005.3	1918.9	47.197	51607.	48.08
Stddev	.207	3.6	6.6	3.1	1.9	.096	33.	.11
%RSD	.41782	.19033	.33631	.30676	.09693	.20249	.06422	.2186

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	487.95	182.15	240.25	966.67	51743.	897.97	48652.	441.21
Stddev	.93	.66	.84	3.16	18.	3.55	85.	3.15
%RSD	.19080	.36422	.34856	.32694	.03549	.39582	.17537	.71436

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	926.25	49313.	494.33	469.52	497.2	1829.0	2009.9	907.07
Stddev	2.66	69.	1.82	.42	2.0	4.9	4.7	4.30
%RSD	.28761	.14058	.36760	.09033	.4063	.26935	.23200	.47368

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: lcs 240-87637/2-a Acquired: 6/3/2013 18:47:15 Type: QC
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	TI1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1933.4	498.31	507.44	1075.3	1004.2
Stddev	4.0	2.98	.86	9.2	2.9
%RSD	.20843	.59741	.16890	.85434	.29095

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6881.6	5632.7	57445.	9952.2
Stddev	4.5	.9	395.	47.0
%RSD	.06512	.01650	.68806	.47251

Sample Name: 240-24875-j-1-a Acquired: 6/3/2013 18:50:53 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .26404	12.481	2.2614	269.56	175.44	- .14456	11733.
Stddev	.20561	8.323	1.9630	.29	.25	.04654	26.
%RSD	77.870	66.690	86.806	.10633	.14205	32.196	.22467

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0229	.38971	- .43358	10.774	210.75	3800.3	21.277
Stddev	.1301	.26272	.30241	.302	1.88	14.7	2.050
%RSD	569.2	67.415	69.747	2.8027	.89006	.38694	9.6366

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3243.9	23.984	1.6482	161520.	.29311	-1.0729	.8946
Stddev	15.5	.091	.7118	1439.	.42193	1.1152	1.624
%RSD	.47707	.37759	43.187	.89093	143.95	103.94	181.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24875-j-1-a Acquired: 6/3/2013 18:50:53 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.87373	2.7769	-.34805	2.9040	1.0870	11.636	3746.3
Stddev	2.8432	1.5869	.08653	1.4067	1.9836	.370	22.4
%RSD	325.41	57.148	24.862	48.440	182.47	3.1764	.59768

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	197.36
Stddev	4.68
%RSD	2.3707

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6875.2	5617.7	56693.	9923.5
Stddev	11.8	8.2	154.	15.1
%RSD	.17162	.14587	.27118	.15203

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.332%	99.387%	99.586%	96.700%
Range				

Sample Name: SD 240-24875-j-1-a@5 Acquired: 6/3/2013 18:54:56 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.01226	-2.3048	.15818	50.137	35.990	-.12796	2366.3	-.1384
Stddev	.14660	8.4499	1.4640	.213	.077	.00570	.8	.1104
%RSD	1195.7	366.63	925.50	.42504	.21272	4.4513	.03547	79.73

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.12238	-1.0017	8.8797	66.400	805.86	2.6267	677.31	4.5063
Stddev	.11532	.0357	.1616	1.195	7.47	.1371	2.87	.0302
%RSD	94.232	3.5674	1.8202	1.7995	.92672	5.2205	.42392	.66911

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.01450	33544.	-.55642	-1.1489	.4024	.04277	.84162	-.82074
Stddev	.11682	50.	.22606	.8386	.9927	2.3210	.18226	.11879
%RSD	805.87	.14939	40.628	72.992	246.7	5427.0	21.656	14.474

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: SD 240-24875-j-1-a@5 Acquired: 6/3/2013 18:54:56 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.45944	-.00285	2.0253	753.79	40.046
Stddev	.46979	.31387	.0616	9.96	.888
%RSD	102.25	11030.	3.0394	1.3209	2.2179

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7383.9	5802.2	58900.	10030.
Stddev	22.7	13.7	103.	29.
%RSD	.30760	.23625	.17535	.28945

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.089%	102.65%	103.46%	97.738%
Range				

Sample Name: 240-24875-j-1-b.ms Acquired: 6/3/2013 18:58:56 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	53.606	1994.0	2120.6	1348.4	2206.6	49.998	65587.
Stddev	.274	12.3	6.1	1.3	1.7	.079	157.
%RSD	.51098	.61627	.28979	.09552	.07797	.15875	.23999

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	51.45	524.96	195.26	256.12	1212.5	59047.	981.16
Stddev	.11	1.15	.58	.20	5.0	100.	.71
%RSD	.2048	.21959	.29697	.07832	.41077	.16907	.07267

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	54089.	496.52	990.39	211230.	529.11	489.61	528.3
Stddev	184.	.90	.95	1594.	.55	2.74	.9
%RSD	.34016	.18207	.09611	.75482	.10303	.55970	.1774

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24875-j-1-b ms Acquired: 6/3/2013 18:58:56 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1973.1	2165.2	974.50	2028.8	529.43	553.10	4937.5
Stddev	8.0	2.3	2.71	3.1	1.74	.90	22.9
%RSD	.40686	.10593	.27773	.15330	.32827	.16361	.46382

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1242.7
Stddev	9.0
%RSD	.72153

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6530.1	5468.3	55106.	10020.
Stddev	5.5	3.7	111.	78.
%RSD	.08400	.06826	.20093	.77498

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	86.747%	96.744%	96.798%	97.640%
Range				

Sample Name: 240-24875-j-1-c msd Acquired: 6/3/2013 19:02:43 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	52.546	1961.9	2069.5	1321.7	2150.8	48.754	64059.
Stddev	.332	4.1	2.1	1.6	4.3	.225	180.
%RSD	.63191	.20886	.10023	.12199	.19965	.46062	.28054

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50.69	511.88	190.26	248.99	1184.9	57571.	961.32
Stddev	.32	.26	.37	.51	6.3	181.	2.60
%RSD	.6228	.05046	.19543	.20469	.52837	.31382	.26997

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	52990.	484.82	968.48	207030.	515.95	479.45	515.6
Stddev	248.	.78	1.49	2096.	.66	.40	1.5
%RSD	.46729	.16167	.15391	1.0122	.12703	.08377	.2981

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24875-j-1-c msd Acquired: 6/3/2013 19:02:43 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1934.7	2117.0	949.45	1995.7	516.48	539.12	4838.6
Stddev	4.2	3.2	1.37	8.7	4.09	1.30	6.1
%RSD	.21728	.15185	.14448	.43691	.79233	.24127	.12545

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1212.2
Stddev	5.4
%RSD	.44472

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6532.5	5466.1	54974.	9884.4
Stddev	8.8	3.3	262.	78.5
%RSD	.13436	.05979	.47662	.79399

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	86.779%	96.704%	96.566%	96.319%
Range				

Sample Name: 190-870-c-1-a Acquired: 6/3/2013 19:06:30 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.55342	284.66	4.6377	86.186	31.752	-.15922	44770.
Stddev	.07658	3.29	3.1247	3.172	.031	.02665	17.
%RSD	13.837	1.1546	67.376	3.6799	.09709	16.739	.03746

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1748	1.1896	.90386	44.390	1039.3	16028.	2.7795
Stddev	.1758	.9500	.24992	.655	.8	67.	.7674
%RSD	100.6	79.864	27.650	1.4766	.07453	.41585	27.610

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11271.	84.928	5.9799	168020.	4.1087	1.2350	1.794
Stddev	37.	.314	2.3983	1517.	1.1474	1.1493	1.378
%RSD	.32650	.37026	40.107	.90295	27.927	93.063	76.78

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 190-870-c-1-a Acquired: 6/3/2013 19:06:30 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.8412	5.4098	4.3586	5.3366	3.2294	166.41	1988.0
Stddev	5.5180	5.1690	.1760	4.3614	2.2165	.36	10.1
%RSD	143.65	95.549	4.0380	81.726	68.635	.21534	.50922

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	334.82
Stddev	5.12
%RSD	1.5279

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6817.2	5606.6	56828.	10076.
Stddev	25.0	16.2	144.	7.
%RSD	.36610	.28840	.25359	.07365

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.561%	99.190%	99.822%	98.182%
Range				

Sample Name: 190-873-d-1-a Acquired: 6/3/2013 19:10:31 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.44526	43195.	7.8475	806.10	200.93	.24120	76391.
Stddev	.19530	101.	1.2336	1.07	.15	.05586	93.
%RSD	43.862	.23458	15.719	.13272	.07272	23.161	.12217

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.695	13.370	83.450	1381.4	61292.	5360.6	3.2569
Stddev	.085	.109	.351	2.8	48.	14.4	.2470
%RSD	.9758	.81815	.42069	.20024	.07853	.26881	7.5850

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16461.	610.95	197.34	111960.	50.504	379.88	9.649
Stddev	48.	3.53	.82	172.	.103	1.10	.631
%RSD	.29356	.57773	.41393	.15371	.20415	.29002	6.539

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 190-873-d-1-a Acquired: 6/3/2013 19:10:31 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.4720	895.26	86.531	1.3170	17.841	3336.9	9964.5
Stddev	.7929	1.55	.489	.4664	1.208	9.4	30.4
%RSD	53.869	.17296	.56456	35.418	6.7719	.28021	.30479

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	2362.8
Stddev	6.0
%RSD	.25496

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6797.3	5697.3	58242.	10441.
Stddev	15.1	9.4	41.	34.
%RSD	.22276	.16526	.07076	.32504

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.297%	100.79%	102.31%	101.74%
Range				

Sample Name: 240-24877-j-1-a Acquired: 6/3/2013 19:14:17 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.24406	19.583	1.2837	356.30	136.63	-.19340	21188.
Stddev	.20675	8.707	.2263	.39	.36	.05767	61.
%RSD	84.710	44.460	17.627	.10992	.26113	29.820	.28563

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1077	-.09268	-.63108	10.657	222.61	4006.5	13.260
Stddev	.1209	.12772	.15606	.095	3.68	23.3	.927
%RSD	112.3	137.80	24.729	.89498	1.6548	.58195	6.9927

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5795.3	13.249	.33980	169630.	-.02831	-1.0814	-1.561
Stddev	44.5	.075	.08625	871.	.34282	.8137	1.950
%RSD	.76853	.56879	25.383	.51320	1210.8	75.246	124.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24877-j-1-a Acquired: 6/3/2013 19:14:17 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .78271	1.3449	- .90468	.80602	1.0362	1.2496	3651.1
Stddev	1.6941	.3260	.06251	.43965	1.5540	.1072	17.7
%RSD	216.44	24.243	6.9091	54.546	149.97	8.5744	.48349

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	276.41
Stddev	5.36
%RSD	1.9381

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6895.5	5638.4	57398.	10181.
Stddev	15.2	11.1	63.	116.
%RSD	.22019	.19670	.10986	1.1373

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.601%	99.752%	100.82%	99.213%
Range				

Sample Name: CCV Acquired: 6/3/2013 19:18:23 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1002.3	24428.	501.86	5080.3	1974.0	1975.7	52700.
Stddev	1.6	131.	.71	5.9	2.9	4.3	155.
%RSD	.16451	.53624	.14094	.11708	.14930	.21945	.29468

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	515.9	2001.2	1864.2	1882.0	24341.	53138.	4732.9
Stddev	.5	1.1	4.7	3.7	75.	136.	9.5
%RSD	.0949	.05629	.25329	.19723	.30616	.25553	.20003

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49190.	F 1747.1	1902.5	50585.	2007.6	474.76	504.5
Stddev	148.	5.5	1.3	68.	.6	.68	2.3
%RSD	.30060	.31209	.06846	.13409	.03037	.14334	.4479

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		2000.0					
Range		-10.500%					

Sample Name: CCV Acquired: 6/3/2013 19:18:23 Type: QC
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	462.92	5270.4	4619.1	996.23	2027.8	2068.0	F 5569.0
Stddev	4.78	6.8	27.9	1.91	7.6	1.4	46.9
%RSD	1.0329	.12814	.60421	.19148	.37276	.06581	.84193

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value							5000.0
Range							10.500%

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	5254.7
Stddev	17.7
%RSD	.33673

Check ?	Chk Pass
Value	
Range	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6728.7	5620.3	57146.	9911.5
Stddev	8.1	13.1	138.	80.1
%RSD	.12099	.23353	.24104	.80840

Sample Name: CCB Acquired: 6/3/2013 19:22:19 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.23477	20.460	.07000	3.7097	.47317	.21484	186.70
Stddev	.17976	17.880	.54077	.4557	.25578	.03106	2.12
%RSD	76.571	87.388	772.56	12.283	54.056	14.457	1.1348

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0939	.03329	-.68080	F 9.8742	5.7376	13.789	.72232
Stddev	.0633	.07732	.09072	.4610	.3013	18.835	1.1664
%RSD	67.43	232.29	13.325	4.6686	5.2508	136.60	161.48

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				5.0000			
Low Limit				-5.0000			

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19.660	-.31782	1.5747	90.305	-.11829	-.96439	-1.021
Stddev	1.606	.00581	.0979	9.856	.09426	.65350	1.298
%RSD	8.1672	1.8267	6.2166	10.914	79.682	67.764	127.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: CCB Acquired: 6/3/2013 19:22:19 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.86864	2.0737	.66973	.83929	3.3618	6.9016	4.6919
Stddev	1.2362	.5508	.18798	.49047	1.2684	.0578	5.5212
%RSD	142.31	26.561	28.069	58.439	37.729	.83713	117.67

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	-1.0687
Stddev	2.9869
%RSD	279.50

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7662.3	5834.2	60301.	10110.
Stddev	31.4	14.7	318.	17.
%RSD	.40982	.25250	.52772	.16767

Sample Name: 240-24878-j-1-a Acquired: 6/3/2013 19:26:20 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.09191	1512.8	1.5658	29.355	42.338	.02760	29869.	.0834
Stddev	.21113	30.8	1.4686	1.100	.154	.03458	94.	.1438
%RSD	229.71	2.0335	93.797	3.7479	.36484	125.27	.31314	172.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.2132	1.2113	12.512	1966.3	1858.3	.23690	7618.9	168.73
Stddev	.3362	.0417	.362	3.3	7.8	.44980	15.5	.45
%RSD	27.709	3.4441	2.8960	.16873	.41911	189.87	.20316	.26572

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.61338	9686.1	3.4158	.76736	-.2706	-1.8122	1.7725	17.442
Stddev	.57437	8.0	.5273	.60883	1.143	1.9664	1.4220	.274
%RSD	93.640	.08223	15.438	79.340	422.6	108.51	80.228	1.5728

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24878-j-1-a Acquired: 6/3/2013 19:26:20 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.83648	3.7548	14.492	4240.2	115.65
Stddev	.12597	.7127	.502	9.5	2.43
%RSD	15.060	18.981	3.4615	.22345	2.1007

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7387.3	5810.4	60213.	10342.
Stddev	33.4	22.4	233.	50.
%RSD	.45270	.38585	.38676	.47901

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.135%	102.80%	105.77%	100.78%
Range				

Sample Name: 240-24879-j-1-a Acquired: 6/3/2013 19:30:12 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.19389	13.485	1.2064	38.520	44.916	-.17133	44355.	-.1045
Stddev	.28541	23.948	.8217	.547	.060	.01470	37.	.0738
%RSD	147.20	177.58	68.107	1.4193	.13386	8.5805	.08300	70.63

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.00153	-.48079	47.557	8.4299	1663.2	-2.2620	10853.	3.4848
Stddev	.04054	.12642	.375	.6711	25.9	1.7836	39.	.0198
%RSD	2645.6	26.295	.78821	7.9610	1.5550	78.850	.35867	.56710

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.07967	5016.6	2.0531	-1.4609	.0872	-.67566	.74964	-.87045
Stddev	.21447	19.3	.2828	1.7813	.3550	2.5287	.49723	.08191
%RSD	269.19	.38462	13.773	121.93	407.0	374.25	66.330	9.4103

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24879-j-1-a Acquired: 6/3/2013 19:30:12 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.0485	.65533	43.319	5399.5	153.03
Stddev	.3438	.54122	.104	5.7	5.35
%RSD	32.786	82.588	.24059	.10525	3.4985

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7368.3	5762.1	59201.	10126.
Stddev	1.8	8.5	113.	39.
%RSD	.02415	.14743	.19146	.38921

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.882%	101.94%	103.99%	98.670%
Range				

Sample Name: 240-24891-j-1-a Acquired: 6/3/2013 19:34:07 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.00491	1627.4	9.3204	725.75	46.658	-.15756	103510.
Stddev	.44275	7.6	.3676	1.45	.095	.05631	26.
%RSD	9009.3	.46633	3.9441	.19985	.20307	35.736	.02502

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0671	1.5648	2.1211	11.104	4031.1	8820.3	52.178
Stddev	.1523	.1471	.3763	.814	13.7	57.4	.452
%RSD	226.9	9.4001	17.741	7.3274	.34036	.65123	.86535

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	56616.	268.59	.69092	103310.	25.121	-.13623	-1.767
Stddev	223.	.27	.20650	128.	35.038	1.2553	.319
%RSD	.39406	.09944	29.887	.12348	139.47	921.48	18.06

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24891-j-1-a Acquired: 6/3/2013 19:34:07 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.72207	.60560	10.755	1.2416	4.5745	37.687	7454.7
Stddev	.73364	.20133	.053	.5144	.9037	33.710	121.1
%RSD	101.60	33.245	.49234	41.434	19.756	89.448	1.6239

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1295.9
Stddev	6.1
%RSD	.47161

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6712.9	5505.6	56877.	9866.5
Stddev	56.4	55.5	607.	11.9
%RSD	.83969	1.0084	1.0670	.12079

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	89.176%	97.403%	99.908%	96.145%
Range				

Sample Name: 240-24891-h-1-a Acquired: 6/3/2013 19:37:58 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .34125	88.484	4.6130	763.58	23.526	- .20518	106840.
Stddev	.13453	.720	.4935	.47	.028	.03342	136.
%RSD	39.424	.81365	10.699	.06161	.11925	16.288	.12692

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .0870	.65463	- .06122	8.7685	1729.7	8783.5	53.236
Stddev	.1217	.19434	.03613	.7808	3.9	64.5	.276
%RSD	139.8	29.688	59.021	8.9041	.22377	.73404	.51910

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	57242.	305.00	.70593	107680.	1.9938	-1.6712	-1.294
Stddev	145.	.09	.02030	194.	.0741	.6775	.899
%RSD	.25387	.02969	2.8757	.18047	3.7163	40.537	69.51

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24891-h-1-a Acquired: 6/3/2013 19:37:58 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.44800	.27554	-.89072	.60130	2.8538	4.4131	6345.7
Stddev	1.4752	.31611	.02189	.11321	1.3590	.0436	25.8
%RSD	329.28	114.72	2.4573	18.827	47.620	.98824	.40639

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1343.5
Stddev	5.7
%RSD	.42772

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6715.4	5488.7	56765.	10236.
Stddev	13.2	12.9	129.	44.
%RSD	.19645	.23551	.22716	.43114

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	89.209%	97.105%	99.713%	99.750%
Range				

Sample Name: 240-24891-I-2-a Acquired: 6/3/2013 19:41:53 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.16393	487.78	3.2133	186.17	127.97	-.20370	95588.
Stddev	.25199	13.96	1.5834	.72	.07	.04107	132.
%RSD	153.72	2.8611	49.277	.38564	.05151	20.163	.13814

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0614	4.1484	.61891	8.6133	7277.3	2980.8	5.8102
Stddev	.2390	.1954	.20588	.4549	19.6	29.9	.5444
%RSD	389.2	4.7113	33.266	5.2811	.26925	1.0036	9.3700

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	62238.	2853.1	.91674	109130.	4.5318	-1.4690	-.1489
Stddev	206.	5.8	.09034	129.	.1059	1.3423	1.392
%RSD	.33114	.20281	9.8550	.11854	2.3363	91.380	935.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24891-I-2-a Acquired: 6/3/2013 19:41:53 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.1038	.91466	2.7812	2.5009	1.5083	4.8297	8158.7
Stddev	1.4295	.61072	.0588	.0251	2.4242	.0502	183.2
%RSD	129.51	66.769	2.1136	1.0055	160.73	1.0399	2.2455

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	267.60
Stddev	1.73
%RSD	.64727

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6634.2	5477.9	56244.	10107.
Stddev	15.8	14.0	236.	61.
%RSD	.23761	.25641	.41953	.60447

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	88.131%	96.913%	98.796%	98.488%
Range				

Sample Name: 240-24891-j-2-a Acquired: 6/3/2013 19:45:55 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.15970	108.51	2.1964	188.23	128.84	-.19788	96798.
Stddev	.22025	16.48	.4415	.60	.49	.05330	84.
%RSD	137.91	15.186	20.100	.31619	.38302	26.935	.08628

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0503	3.7768	.20064	7.7918	7149.1	2931.2	4.4633
Stddev	.0377	.1644	.14879	.4023	23.6	15.2	.6540
%RSD	74.95	4.3522	74.154	5.1635	.33065	.51905	14.652

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	62765.	2869.8	.98259	109990.	3.9032	-1.0146	-.4357
Stddev	177.	27.1	.09694	143.	.1106	.7536	.5523
%RSD	.28196	.94463	9.8659	.13001	2.8340	74.279	126.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24891-j-2-a Acquired: 6/3/2013 19:45:55 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.5816	.57502	-.25153	1.2639	-.26365	2.8298	8860.7
Stddev	1.7576	.14525	.10755	.5574	.46238	.0750	23.6
%RSD	111.12	25.261	42.758	44.103	175.37	2.6488	.26678

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	268.77
Stddev	1.46
%RSD	.54399

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6664.7	5491.0	56348.	10268.
Stddev	16.1	14.5	111.	77.
%RSD	.24165	.26463	.19717	.74827

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	88.535%	97.145%	98.980%	100.06%
Range				

Sample Name: 240-24891-I-3-a Acquired: 6/3/2013 19:49:59 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-0.08025	38.473	k .72225	114.44	51.026	-.22846	121740.
Stddev	.07666	22.482	.73807	.24	.096	.01972	419.
%RSD	95.525	58.434	102.19	.20557	.18849	8.6302	.34396

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	k .1738	.08302	-.02564	8.0451	493.48	3778.4	26.124
Stddev	.0333	.04954	.06519	.4260	2.61	15.4	.628
%RSD	19.13	59.670	254.27	5.2945	.52795	.40740	2.4052

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	83620.	^ *****	6.8969	25678.	.29834	-2.3219	-.0462
Stddev	213.	-----	.2103	22.	.19819	1.3110	.8689
%RSD	.25433	-----	3.0489	.08761	66.432	56.464	1880.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24891-I-3-a Acquired: 6/3/2013 19:49:59 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	k -.55487	.60247	-.49406	k 1.0534	1.0107	4.6786	10880.
Stddev	.49006	.14741	.05770	.2065	2.2997	.0897	36.
%RSD	88.320	24.468	11.680	19.602	227.53	1.9172	.32965

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	708.51
Stddev	4.75
%RSD	.66975

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6742.1	5473.3	57138.	10265.
Stddev	2.2	2.2	275.	23.
%RSD	.03224	.03994	.48204	.22113

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	89.564%	96.831%	100.37%	100.02%
Range				

Sample Name: 240-24891-j-3-a Acquired: 6/3/2013 19:54:02 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.05824	9.9340	-.47117	112.94	50.503	-.28404	121140.
Stddev	.32186	9.1020	1.1464	.77	.106	.01536	314.
%RSD	552.62	91.624	243.30	.68240	.20964	5.4093	.25896

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0702	-.03383	-.21926	7.4877	73.046	3729.0	25.245
Stddev	.1222	.09635	.21072	1.0105	1.653	31.0	1.424
%RSD	174.1	284.82	96.107	13.495	2.2628	.83056	5.6400

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	83197.	4.5077	6.7832	25455.	.15791	-2.2558	-2.489
Stddev	319.	1.3425	.0916	102.	.24475	.2169	.574
%RSD	.38362	29.783	1.3503	.39982	155.00	9.6153	23.07

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24891-j-3-a Acquired: 6/3/2013 19:54:02 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.93714	.42240	-1.1731	1.2626	1.0369	3.1421	10720.
Stddev	.85397	.09994	.0747	.8854	1.4449	.0212	65.
%RSD	91.125	23.659	6.3715	70.126	139.36	.67505	.60501

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	694.08
Stddev	5.85
%RSD	.84339

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6792.0	5493.6	56831.	10216.
Stddev	37.9	24.2	470.	24.
%RSD	.55805	.44074	.82709	.23564

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.227%	97.192%	99.828%	99.550%
Range				

Sample Name: 240-24899-a-1-a Acquired: 6/3/2013 19:58:01 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.02795	582.58	1.7480	14654.	28.492	-.27193	114160.
Stddev	.29134	16.47	.3183	1.	.060	.03152	318.
%RSD	1042.4	2.8271	18.210	.00531	.20929	11.591	.27881

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0347	1.3859	1.3980	33.955	1128.3	27007.	9.0777
Stddev	.0541	.1278	.1456	.654	4.0	139.	.5884
%RSD	156.2	9.2236	10.411	1.9271	.35468	.51529	6.4821

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	25061.	333.90	58.982	479700.	13.397	2.4919	1.993
Stddev	60.	1.23	.128	6005.	.408	.2291	.995
%RSD	.24068	.36809	.21767	1.2519	3.0480	9.1938	49.91

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24899-a-1-a Acquired: 6/3/2013 19:58:01 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.8073	2.1833	3.8879	.74651	2.2238	220.98	3377.5
Stddev	.9359	.5788	.1222	.49003	.7675	.65	24.4
%RSD	51.786	26.512	3.1429	65.642	34.513	.29519	.72303

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	865.42
Stddev	4.85
%RSD	.56094

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6191.9	5290.5	54519.	10284.
Stddev	13.5	1.4	191.	78.
%RSD	.21827	.02618	.35105	.75566

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	82.255%	93.598%	95.767%	100.21%
Range				

Sample Name: 240-24803-k-1-b Acquired: 6/3/2013 20:02:01 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.01283	5.0468	1.3034	107.64	115.47	-.24574	80809.	-.1468
Stddev	.08507	1.1184	.4649	2.15	.59	.02306	363.	.0620
%RSD	662.94	22.159	35.669	1.9942	.51515	9.3824	.44979	42.23

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.04037	-.25034	16.514	4.1412	2081.1	2.8475	15936.	-.45637
Stddev	.06605	.21252	.542	3.6601	72.9	.8300	152.	.02152
%RSD	163.61	84.892	3.2798	88.381	3.5013	29.148	.95588	4.7159

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.06261	^ *****	.08469	-1.5591	-3.159	-.66969	.72039	-.95820
Stddev	.13275	-----	.27143	.7101	.709	3.4658	.19290	.16354
%RSD	212.00	-----	320.49	45.543	22.44	517.52	26.777	17.068

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24803-k-1-b Acquired: 6/3/2013 20:02:01 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.79056	.31266	49.229	5207.7	190.35
Stddev	.37706	.35650	.234	153.7	.91
%RSD	47.695	114.02	.47526	2.9505	.48022

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7031.2	5615.5	57877.	10404.
Stddev	10.5	3.2	137.	124.
%RSD	.14932	.05779	.23727	1.1908

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	93.404%	99.347%	101.67%	101.39%
Range				

Sample Name: CCV Acquired: 6/3/2013 20:06:01 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1006.5	24789.	503.87	5102.8	1994.8	1969.9	52308.
Stddev	1.5	50.	1.73	1.7	1.9	4.3	59.
%RSD	.14965	.20194	.34385	.03265	.09678	.21840	.11245

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	516.0	1994.6	1871.5	1900.0	24449.	53229.	4792.3
Stddev	.2	3.0	5.6	2.1	41.	159.	18.9
%RSD	.0383	.15263	.29980	.10995	.16815	.29812	.39529

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48867.	F 1763.4	1910.2	50719.	1998.3	475.33	507.4
Stddev	24.	18.7	1.2	80.	2.5	1.41	1.2
%RSD	.04853	1.0600	.06456	.15792	.12522	.29717	.2444

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		2000.0					
Range		-10.500%					

Sample Name: CCV Acquired: 6/3/2013 20:06:01 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	473.65	5235.8	4718.8	996.66	2038.0	2046.3	F 5554.0
Stddev	2.02	7.0	26.8	2.82	6.4	3.6	53.5
%RSD	.42580	.13353	.56856	.28340	.31567	.17640	.96274

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value							5000.0
Range							10.500%

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	5233.9
Stddev	15.4
%RSD	.29460

Check ?	Chk Pass
Value	
Range	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6686.9	5561.4	56567.	10039.
Stddev	9.3	2.9	171.	69.
%RSD	.13939	.05282	.30286	.68549

Sample Name: CCB Acquired: 6/3/2013 20:09:57 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.37487	15.250	.75466	13.576	.69650	.45388	195.71
Stddev	.55295	11.355	1.5273	6.894	.46312	.34885	8.32
%RSD	147.51	74.462	202.38	50.778	66.493	76.859	4.2500

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3287	1.5904	-.16893	F 9.8564	8.5808	3.8537	.21255
Stddev	.5527	2.1875	.72874	.2933	3.8014	17.431	.73673
%RSD	168.2	137.54	431.39	2.9760	44.301	452.32	346.61

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				5.0000			
Low Limit				-5.0000			

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	25.532	.07700	2.9511	84.891	.98104	.24085	.5055
Stddev	7.435	.51533	2.1501	7.975	2.1375	.19650	2.660
%RSD	29.121	669.27	72.859	9.3944	217.88	81.588	526.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: CCB Acquired: 6/3/2013 20:09:57 Type: QC
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-61804	5.0971	1.6313	1.5386	1.7783	8.0513	6.7906
Stddev	.20058	5.9048	1.3859	.8405	1.2428	2.1904	2.7513
%RSD	32.454	115.85	84.958	54.628	69.889	27.205	40.516

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	-3.1289
Stddev	1.7668
%RSD	56.465

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7697.9	5835.6	60503.	10327.
Stddev	7.6	9.7	59.	36.
%RSD	.09910	.16538	.09756	.35258

Sample Name: 240-24805-k-1-b Acquired: 6/3/2013 20:13:58 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.09170	6.5881	-.34642	38.505	106.71	-.26055	150460.
Stddev	.24157	11.331	1.7124	.455	.23	.00387	2372.
%RSD	263.44	171.99	494.31	1.1827	.21885	1.4862	1.5764

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0298	.84480	.11462	8.0870	559.97	2318.1	12.630
Stddev	.1658	.12592	.69711	.9533	.90	10.8	.825
%RSD	557.3	14.905	608.17	11.788	.15985	.46537	6.5302

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	32438.	209.95	.27978	43679.	1.1027	-1.4507	-.2795
Stddev	26.	.64	.06531	79.	.1868	.5599	2.003
%RSD	.07990	.30259	23.342	.18045	16.945	38.597	716.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24805-k-1-b Acquired: 6/3/2013 20:13:58 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.0267	.79582	-.14511	1.1060	.59039	15.241	5360.3
Stddev	1.7650	.28402	1.2464	.3817	2.6862	.052	8.4
%RSD	87.088	35.689	858.96	34.514	454.98	.34391	.15645

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	264.36
Stddev	.59
%RSD	.22153

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6811.8	5503.3	57444.	10296.
Stddev	31.1	19.3	248.	20.
%RSD	.45672	.35020	.43167	.19415

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.489%	97.363%	100.90%	100.33%
Range				

Sample Name: 240-24806-k-1-b Acquired: 6/3/2013 20:18:03 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-. 32315	4.4658	1.7585	35.874	68.589	-.24809	151890.
Stddev	.26919	10.215	1.1210	.589	.119	.03499	239.
%RSD	83.304	228.74	63.748	1.6407	.17313	14.103	.15758

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0289	.46914	-.12352	38.879	5.9889	2335.3	13.119
Stddev	.1397	.11247	.12835	.606	.1555	27.9	.751
%RSD	482.6	23.974	103.91	1.5589	2.5966	1.1967	5.7252

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	32228.	42.632	.08784	52113.	3.4461	-1.5791	-1.181
Stddev	46.	.046	.06896	65.	.2712	.4441	.874
%RSD	.14258	.10898	78.500	.12430	7.8702	28.123	74.02

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24806-k-1-b Acquired: 6/3/2013 20:18:03 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.1732	.46724	-1.0813	1.2152	.74625	58.838	4990.9
Stddev	.4712	.53050	.0391	.2392	1.4386	.228	43.8
%RSD	21.683	113.54	3.6112	19.686	192.78	.38768	.87720

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	272.71
Stddev	2.09
%RSD	.76615

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6807.3	5518.4	56854.	10228.
Stddev	17.2	8.3	90.	53.
%RSD	.25205	.15046	.15799	.51991

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.429%	97.630%	99.868%	99.666%
Range				

Sample Name: 240-24875-i-1-b Acquired: 6/3/2013 20:22:06 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.08868	-1.1516	.11473	266.71	171.84	-.08031	11705.
Stddev	.11405	21.923	1.2439	.32	.32	.09458	623.
%RSD	128.60	1903.7	1084.2	.11859	.18868	117.78	5.3253

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0280	.26226	-.69386	10.537	12.696	3634.6	19.152
Stddev	.1573	.15467	.08904	.235	1.041	31.0	2.138
%RSD	560.9	58.976	12.832	2.2273	8.2025	.85232	11.162

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3144.3	21.855	-.07400	158810.	-.25076	-.81493	.7914
Stddev	94.6	.071	.14224	2121.	.28491	.98880	1.974
%RSD	3.0079	.32662	192.22	1.3357	113.62	121.34	249.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24875-i-1-b Acquired: 6/3/2013 20:22:06 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .77140	.49246	- .90118	.16304	1.4280	10.237	3619.6
Stddev	4.1619	.31327	.07226	.84747	.7554	.113	5.3
%RSD	539.53	63.612	8.0189	519.79	52.900	1.1017	.14672

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	185.01
Stddev	2.43
%RSD	1.3111

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6873.9	5605.3	57603.	10344.
Stddev	18.9	12.9	114.	29.
%RSD	.27540	.23010	.19858	.28148

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.314%	99.168%	101.18%	100.79%
Range				

Sample Name: 240-24877-i-1-b Acquired: 6/3/2013 20:26:13 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .20226	10.468	.08289	358.38	135.64	- .12607	21210.
Stddev	.24025	8.657	1.6204	1.05	.10	.05320	67.
%RSD	118.78	82.695	1954.8	.29262	.07076	42.201	.31385

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .1458	.07019	- .52010	7.4692	6.1936	3972.8	12.510
Stddev	.0900	.10169	.22183	.5369	.5649	15.7	1.321
%RSD	61.72	144.88	42.652	7.1882	9.1215	.39451	10.558

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5795.0	13.946	- .26039	171740.	- .26899	- 1.0810	- .2962
Stddev	20.1	.039	.16484	2498.	.63010	1.0943	1.149
%RSD	.34763	.27937	63.306	1.4545	234.25	101.23	388.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24877-i-1-b Acquired: 6/3/2013 20:26:13 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .75139	.77037	- .96557	.62127	.22124	8.4679	3633.8
Stddev	2.8918	.30442	.15660	.24271	.93990	.0594	15.2
%RSD	384.86	39.516	16.218	39.068	424.83	.70182	.41713

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	277.52
Stddev	3.33
%RSD	1.1990

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6859.5	5574.5	56944.	10306.
Stddev	15.1	1.6	107.	105.
%RSD	.22024	.02826	.18820	1.0229

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.124%	98.623%	100.03%	100.43%
Range				

Sample Name: 240-24878-i-1-b Acquired: 6/3/2013 20:30:19 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.00554	12.881	.59144	28.334	27.734	-.14564	28765.	-.1397
Stddev	.28937	15.765	1.2932	.340	.091	.04538	29.	.0929
%RSD	5226.9	122.39	218.66	1.1994	.32807	31.158	.09908	66.49

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.08791	-.49165	10.531	46.549	1510.1	-1.5849	7268.7	3.9019
Stddev	.16460	.18332	.433	.369	25.0	.8949	43.5	.0188
%RSD	187.24	37.286	4.1071	.79174	1.6583	56.466	.59828	.48243

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.02756	10889.	.79946	-.55994	-.5004	1.2984	.13025	-.98694
Stddev	.00931	21.	.40577	.34846	.6292	.7104	.22042	.13122
%RSD	33.780	.18970	50.755	62.231	125.7	54.715	169.22	13.296

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24878-i-1-b Acquired: 6/3/2013 20:30:19 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.0730	-1.3676	3.0911	1595.1	111.87
Stddev	.3749	1.1862	.0479	9.7	5.05
%RSD	34.942	86.730	1.5492	.60605	4.5174

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7388.2	5747.6	59792.	10245.
Stddev	22.6	7.9	79.	21.
%RSD	.30577	.13815	.13296	.20271

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.147%	101.68%	105.03%	99.834%
Range				

Sample Name: 240-24879-k-1-b Acquired: 6/3/2013 20:34:18 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.08686	.91992	.64502	37.448	44.356	-.19576	43194.	-.0560
Stddev	.12453	8.5745	.23042	.238	.126	.07402	147.	.0882
%RSD	143.36	932.09	35.724	.63577	.28349	37.810	.33958	157.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.00941	-.51925	47.604	5.1315	1603.1	-2.4512	10564.	3.4455
Stddev	.07412	.17890	.449	1.0601	7.8	.2127	86.	.0209
%RSD	787.39	34.452	.94286	20.658	.48928	8.6781	.81031	.60508

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.23671	4964.9	1.7794	-.26830	.2518	-.86747	.53499	-.97677
Stddev	.12346	51.9	.1352	.58870	2.329	.43561	.28734	.03302
%RSD	52.154	1.0455	7.5962	219.42	925.1	50.216	53.709	3.3807

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24879-k-1-b Acquired: 6/3/2013 20:34:18 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.73227	1.5399	45.806	5252.1	148.24
Stddev	.58162	.8274	.225	8.4	4.33
%RSD	79.427	53.729	.49133	.16061	2.9185

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7372.1	5734.9	59719.	10191.
Stddev	25.0	15.4	186.	136.
%RSD	.33875	.26799	.31191	1.3350

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.932%	101.46%	104.90%	99.310%
Range				

Sample Name: mb 240-87821/1-a Acquired: 6/3/2013 20:38:16 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.21805	F 507.43	-.73177	-2.1257	.94368	-.11978	193.95
Stddev	.10757	5.95	.46942	.0890	.10510	.05785	1.81
%RSD	49.333	1.1731	64.149	4.1886	11.137	48.299	.93210

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		200.00					
Low Limit		-1000.0					

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1120	.07269	-.40260	F 11.258	10.796	17.820	-2.3026
Stddev	.2097	.07434	.13120	.937	1.071	30.548	.2940
%RSD	187.2	102.27	32.589	8.3198	9.9240	171.42	12.769

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				5.0000			
Low Limit				-1000.0			

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	57.473	.04571	-.24682	113.06	-.53199	-.06847	-1.167
Stddev	10.018	.01390	.01393	6.51	.08878	.75573	1.117
%RSD	17.431	30.421	5.6444	5.7569	16.688	1103.8	95.71

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: mb 240-87821/1-a Acquired: 6/3/2013 20:38:16 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.11858	.31645	-.90287	.11127	.27273	F 20.234	15.515
Stddev	.57361	.23287	.06059	.62738	.32142	.095	2.897
%RSD	483.74	73.586	6.7111	563.81	117.85	.47183	18.673

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						20.000	
Low Limit						-1000.0	

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	-1.2595
Stddev	3.9517
%RSD	313.76

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7744.1	5883.3	61103.	10398.
Stddev	6.4	8.5	210.	68.
%RSD	.08313	.14409	.34429	.65762

Sample Name: lcs 240-87821/2-a Acquired: 6/3/2013 20:42:15 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49.042	1845.5	1921.0	986.38	1899.0	45.530	49492.	47.91
Stddev	.238	9.0	4.0	.59	2.8	.178	81.	.11
%RSD	.48555	.48852	.20728	.05951	.14998	.39114	.16433	.2379

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	474.45	178.61	237.79	941.97	50267.	880.37	46300.	436.21
Stddev	.52	1.04	.37	2.79	71.	1.56	30.	2.00
%RSD	.11013	.58382	.15719	.29650	.14129	.17713	.06399	.45894

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	910.32	48362.	478.84	455.52	488.0	1829.5	1947.1	900.76
Stddev	.67	61.	.60	1.27	2.7	1.5	3.6	3.84
%RSD	.07378	.12689	.12574	.27980	.5463	.08014	.18507	.42631

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: lcs 240-87821/2-a Acquired: 6/3/2013 20:42:15 Type: QC
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1896.0	486.26	508.12	1047.9	967.28
Stddev	.8	1.00	2.04	11.1	3.48
%RSD	.04167	.20522	.40113	1.0560	.36022

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6825.9	5552.5	57227.	10202.
Stddev	31.3	22.2	155.	22.
%RSD	.45927	.40057	.27103	.21635

Sample Name: 240-24871-c-1-a Acquired: 6/3/2013 20:45:54 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-0.06202	13.403	1.7524	431.44	77.681	-1.15912	89270.
Stddev	.08607	7.134	2.2143	14.07	.337	.03355	365.
%RSD	138.79	53.226	126.36	3.2609	.43363	21.085	.40912

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-0.0231	.46661	-.17245	8.9384	183.48	3802.4	22.644
Stddev	.1648	.61658	.10923	.5114	.83	28.9	.927
%RSD	713.8	132.14	63.339	5.7216	.45118	.76094	4.0957

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18166.	37.409	1.6668	187670.	^ *****	k -1.0174	.6883
Stddev	48.	.078	.9017	4730.	-----	.5056	.7185
%RSD	.26489	.20809	54.098	2.5205	-----	49.696	104.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24871-c-1-a Acquired: 6/3/2013 20:45:54 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.7356	3.2129	-.65739	2.9791	.41475	^ *****	6509.6
Stddev	.5467	1.7333	.15032	2.2547	1.8125	-----	27.5
%RSD	31.498	53.948	22.867	75.685	437.01	-----	.42283

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	512.86
Stddev	4.77
%RSD	.93083

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6231.7	5129.5	55479.	10174.
Stddev	213.9	185.2	106.	109.
%RSD	3.4324	3.6101	.19098	1.0673

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	82.783%	90.749%	97.453%	99.140%
Range				

Sample Name: SD 240-24871-c-1-a@5 Acquired: 6/3/2013 20:49:56 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.28446	-5.6774	.81353	79.116	16.198	-.19707	18375.	.0087
Stddev	.35913	7.6828	1.1923	.266	.228	.00671	12.	.0343
%RSD	126.25	135.32	146.55	.33633	1.4081	3.4042	.06650	393.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.10174	-.58511	9.4703	36.224	737.62	1.6952	3766.5	7.1781
Stddev	.14615	.25854	.4527	.468	24.56	.7376	20.8	.0335
%RSD	143.66	44.187	4.7802	1.2930	3.3298	43.513	.55277	.46705

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.13563	39353.	1.3284	-1.0597	-1.146	-.45239	.28181	-.98223
Stddev	.02933	40.	.1331	.9688	.404	1.9299	.13301	.28141
%RSD	21.625	.10154	10.020	91.423	35.27	426.59	47.198	28.650

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: SD 240-24871-c-1-a@5 Acquired: 6/3/2013 20:49:56 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.32199	.76437	4.5430	1325.8	102.60
Stddev	.32372	.34878	.0565	4.9	5.84
%RSD	100.54	45.630	1.2441	.37010	5.6891

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7216.3	5686.5	59120.	10348.
Stddev	37.4	34.8	242.	42.
%RSD	.51838	.61195	.40936	.40347

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.863%	100.60%	103.85%	100.84%
Range				

Sample Name: CCV Acquired: 6/3/2013 20:53:54 Type: QC
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	993.32	24730.	497.14	5016.7	1973.5	1936.2	51800.
Stddev	.99	12.	2.12	10.4	2.4	2.2	28.
%RSD	.09997	.04726	.42608	.20656	.12209	.11537	.05342

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	509.2	1976.2	1851.7	1870.5	24235.	52879.	4742.1
Stddev	.8	1.4	2.8	2.6	32.	63.	2.7
%RSD	.1599	.07169	.15378	.13771	.13037	.11923	.05635

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48359.	F 1745.4	1890.3	50266.	1981.0	471.74	497.2
Stddev	84.	7.2	1.1	82.	3.0	1.39	1.5
%RSD	.17329	.41444	.06080	.16412	.15024	.29539	.3000

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		2000.0					
Range		-10.500%					

Sample Name: CCV Acquired: 6/3/2013 20:53:54 Type: QC
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	471.46	5192.2	4579.1	989.36	2024.5	2035.3	5477.1
Stddev	1.40	12.4	47.1	3.45	2.5	5.4	56.0
%RSD	.29606	.23827	1.0292	.34828	.12184	.26623	1.0231

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	5206.0
Stddev	12.0
%RSD	.22993

Check ?	Chk Pass
Value	
Range	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6636.5	5518.7	56780.	9894.3
Stddev	25.0	12.5	115.	20.2
%RSD	.37709	.22594	.20229	.20453

Sample Name: CCB Acquired: 6/3/2013 20:57:49 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.09746	22.670	.52461	3.2026	.78336	.47911	193.28
Stddev	.24048	18.848	1.1715	.8284	.60729	.53909	15.91
%RSD	246.74	83.142	223.32	25.865	77.524	112.52	8.2328

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1028	.07151	-.56091	F 9.2783	10.100	-23.405	-.03506
Stddev	.1088	.05459	.09555	.2101	7.087	18.962	.17543
%RSD	105.9	76.335	17.035	2.2646	70.165	81.014	500.36

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				5.0000			
Low Limit				-5.0000			

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	26.349	-.36295	1.6511	80.469	-.34448	-.46906	.2723
Stddev	21.032	.00727	.1414	5.285	.15799	.73728	.9263
%RSD	79.821	2.0036	8.5632	6.5679	45.864	157.18	340.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: CCB Acquired: 6/3/2013 20:57:49 Type: QC
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.5141	1.8821	.59723	1.3028	1.2013	6.6054	8.6028
Stddev	1.0570	.3515	.10352	.2032	.3257	.0975	3.0150
%RSD	69.811	18.677	17.333	15.595	27.117	1.4761	35.047

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1.3515
Stddev	3.9550
%RSD	292.65

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7664.2	5798.0	60114.	10190.
Stddev	17.0	10.1	91.	112.
%RSD	.22136	.17402	.15103	1.0975

Sample Name: 240-24871-c-1-b.ms Acquired: 6/3/2013 21:01:52 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	53.404	1982.7	2094.6	1488.2	2094.2	47.943	138390.
Stddev	.201	13.4	4.8	1.6	2.5	.047	1066.
%RSD	.37584	.67604	.22950	.10416	.11881	.09780	.77058

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	51.59	510.78	188.53	252.49	1172.7	58248.	977.03
Stddev	.05	.50	.12	.28	1.7	106.	3.21
%RSD	.0927	.09819	.06347	.11035	.14556	.18200	.32820

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	66384.	495.07	972.56	235610.	522.00	471.20	527.9
Stddev	232.	.47	1.96	2733.	1.03	2.07	3.1
%RSD	.34992	.09437	.20180	1.1598	.19813	.44001	.5856

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24871-c-1-b ms Acquired: 6/3/2013 21:01:52 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1976.6	2106.1	950.64	1976.0	516.06	534.48	7659.0
Stddev	7.9	.5	.69	1.8	2.89	1.50	33.9
%RSD	.40047	.02441	.07280	.08890	.56012	.28103	.44218

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1520.8
Stddev	2.2
%RSD	.14593

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6366.2	5336.0	55139.	10208.
Stddev	25.0	14.0	58.	88.
%RSD	.39294	.26321	.10576	.86361

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	84.569%	94.403%	96.856%	99.472%
Range				

Sample Name: 240-24871-c-1-c msd Acquired: 6/3/2013 21:05:47 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48.786	1718.2	1857.1	1339.5	1834.4	41.833	122790.
Stddev	.282	13.2	5.7	3.1	4.0	.143	1693.
%RSD	.57832	.76890	.30725	.23308	.21986	.34239	1.3783

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	45.61	444.85	164.21	222.02	1019.6	51823.	859.10
Stddev	.07	.60	.30	.47	3.4	154.	3.98
%RSD	.1427	.13506	.18340	.21215	.33090	.29649	.46315

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	57872.	434.90	855.95	212890.	454.72	421.44	464.3
Stddev	136.	1.66	.81	2287.	.12	2.06	2.5
%RSD	.23487	.38228	.09477	1.0741	.02617	.48862	.5376

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24871-c-1-c msd Acquired: 6/3/2013 21:05:47 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1772.0	1852.8	834.46	1803.2	453.38	462.81	6963.8
Stddev	4.7	2.6	2.46	3.7	.13	2.12	17.4
%RSD	.26610	.13774	.29470	.20633	.02806	.45748	.24938

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1340.0
Stddev	5.7
%RSD	.42883

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6424.7	5367.5	55260.	10188.
Stddev	16.9	12.6	198.	82.
%RSD	.26271	.23454	.35812	.80718

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	85.347%	94.961%	97.068%	99.278%
Range				

Sample Name: 190-887-b-1-a Acquired: 6/3/2013 21:09:37 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.23101	540.34	5.9767	F 48754.	26.909	-.15213	21044.
Stddev	.13991	12.16	.8132	33.	.144	.01676	10.
%RSD	60.565	2.2505	13.606	.06765	.53699	11.016	.04598

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				20000.			
Low Limit				-500000.			

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.4769	31.485	.78195	16.505	2461.5	13413.	22.496
Stddev	.0315	.129	.14691	1.020	5.0	5.	1.146
%RSD	6.599	.40910	18.787	6.1779	.20395	.03685	5.0950

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20730.	549.72	41.344	474490.	7.5229	6.1888	13.40
Stddev	68.	1.90	.244	7580.	.2973	.3405	.98
%RSD	.32892	.34573	.59039	1.5974	3.9512	5.5015	7.319

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 190-887-b-1-a Acquired: 6/3/2013 21:09:37 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.9244	37.018	-.08066	1.3695	2.4364	211.32	4014.4
Stddev	1.0041	.269	.09536	.1096	2.8630	.27	.8
%RSD	25.585	.72783	118.22	7.9999	117.51	.12887	.02009

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	243.45
Stddev	2.54
%RSD	1.0425

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6305.9	5324.8	54477.	10387.
Stddev	6.4	4.8	35.	42.
%RSD	.10178	.09016	.06360	.39970

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	83.769%	94.204%	95.693%	101.21%
Range				

Sample Name: 240-24840-b-9-a Acquired: 6/3/2013 21:13:36 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.27166	-2.2326	3.0861	130.84	79.990	-.27846	96174.	-.1494
Stddev	.36273	7.5014	1.1214	58.47	.153	.02200	343.	.0404
%RSD	133.52	335.99	36.338	44.692	.19147	7.9019	.35699	27.04

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.13751	-.23386	8.7026	8577.3	3570.8	-8.1449	9429.6	1190.6
Stddev	.18418	.08975	.4154	22.4	37.6	.2156	24.5	1.4
%RSD	133.94	38.378	4.7727	.26062	1.0521	2.6476	.25943	.11977

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.4952	70845.	.01119	-.96300	-.4153	1.2787	1.0883	-.79754
Stddev	.1485	128.	.05689	.29475	2.033	3.7867	.5965	.09222
%RSD	4.2500	.18021	508.54	30.608	489.7	296.14	54.812	11.563

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24840-b-9-a Acquired: 6/3/2013 21:13:36 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.5042	1.1235	4.9504	3611.8	282.16
Stddev	.2975	2.1628	.2999	10.6	3.71
%RSD	19.781	192.50	6.0578	.29469	1.3163

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6906.7	5593.0	58516.	10524.
Stddev	47.9	37.3	57.	78.
%RSD	.69390	.66765	.09656	.74471

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.750%	98.950%	102.79%	102.55%
Range				

Sample Name: 240-24840-b-10-a Acquired: 6/3/2013 21:17:34 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-0.07123	409.85	1.5924	62.203	62.794	-.25971	111780.
Stddev	.19204	12.78	.6391	2.358	.233	.04718	94.
%RSD	269.60	3.1173	40.136	3.7909	.37059	18.166	.08388

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2154	5.8534	584.27	17.966	5649.5	2109.0	-6.5541
Stddev	.0124	.0914	.81	.480	14.3	10.1	.5307
%RSD	5.764	1.5620	.13922	2.6730	.25251	.48028	8.0974

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	25546.	82.854	8.2523	225040.	678.78	-1.1990	.2537
Stddev	80.	.207	.0946	2041.	.86	1.1024	1.258
%RSD	.31139	.24956	1.1460	.90684	.12662	91.947	495.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24840-b-10-a Acquired: 6/3/2013 21:17:34 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.1961	.63306	8.8984	1.3984	6.4577	36.564	7395.7
Stddev	1.3357	.35161	.2315	.4131	1.5686	.044	22.4
%RSD	111.68	55.540	2.6014	29.540	24.291	.12001	.30269

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	158.13
Stddev	.73
%RSD	.46240

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6510.8	5406.7	55334.	10005.
Stddev	7.5	3.1	77.	46.
%RSD	.11561	.05700	.13998	.46033

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	86.490%	95.653%	97.198%	97.499%
Range				

Sample Name: 240-24840-b-11-a Acquired: 6/3/2013 21:21:36 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.19548	696.17	1.5802	34.599	39.655	-.19371	67999.	-.0034
Stddev	.29122	24.24	.7382	.834	.165	.02147	212.	.0324
%RSD	148.98	3.4825	46.718	2.4113	.41635	11.084	.31112	967.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.2699	755.34	16.165	2347.9	1929.5	-5.6650	16270.	40.608
Stddev	.1661	2.41	.913	3.2	37.8	1.6564	60.	.933
%RSD	7.3159	.31845	5.6487	.13465	1.9603	29.240	.36726	2.2976

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.2133	89709.	135.73	-.35622	.2102	1.2556	.92607	7.3780
Stddev	.0700	112.	.11	.78777	.8714	1.8423	.47273	.1694
%RSD	1.3430	.12485	.08155	221.15	414.6	146.73	51.046	2.2966

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24840-b-11-a Acquired: 6/3/2013 21:21:36 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.3270	5.1521	36.756	6136.0	84.702
Stddev	.5525	1.5286	.045	18.7	1.963
%RSD	41.639	29.669	.12337	.30421	2.3179

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6869.6	5571.5	57747.	10253.
Stddev	4.7	6.0	166.	72.
%RSD	.06779	.10701	.28679	.69829

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.257%	98.569%	101.44%	99.915%
Range				

Sample Name: 240-24840-b-12-a Acquired: 6/3/2013 21:25:31 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.38105	1212.6	.55502	35.986	134.89	-.24268	129880.
Stddev	.26515	16.1	.11127	.422	.43	.02967	1293.
%RSD	69.584	1.3309	20.048	1.1722	.31633	12.225	.99521

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.772	2.2736	11.633	36.727	7609.6	9140.3	1.4826
Stddev	.174	.1792	.326	.528	25.2	10.6	.7829
%RSD	1.782	7.8795	2.7990	1.4376	.33067	.11646	52.802

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	32657.	162.17	5.6692	305720.	14.067	351.26	1.736
Stddev	170.	.08	.0681	3678.	.203	1.13	1.170
%RSD	.52177	.04998	1.2010	1.2029	1.4424	.32165	67.36

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24840-b-12-a Acquired: 6/3/2013 21:25:31 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-82138	2.6709	30.802	1.2950	4.4153	F 93257.	7355.7
Stddev	.36063	.3776	.089	.8568	1.9447	498.	26.1
%RSD	43.905	14.138	.28854	66.161	44.046	.53445	.35515

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						10000.	
Low Limit						-500000.	

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	257.42
Stddev	.90
%RSD	.35118

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6324.5	5330.1	55079.	10109.
Stddev	25.5	18.2	103.	124.
%RSD	.40316	.34175	.18756	1.2229

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	84.015%	94.299%	96.750%	98.511%
Range				

Sample Name: 240-24840-b-13-a Acquired: 6/3/2013 21:29:50 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-0.09312	-5.7619	2.1364	23.907	367.02	-0.37748	207750.
Stddev	.09444	17.175	.3224	.185	1.01	.03612	528.
%RSD	101.42	298.09	15.090	.77179	.27553	9.5685	.25410

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-0.0504	.12701	-0.04156	6.5728	3285.7	2817.4	-7.3497
Stddev	.0966	.11238	.29073	.1731	3.1	31.4	.7035
%RSD	191.8	88.486	699.46	2.6332	.09330	1.1149	9.5718

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	59267.	61.486	4.1907	175150.	.45146	-1.9632	-2.149
Stddev	108.	.113	.2493	1463.	.35149	1.2517	.988
%RSD	.18174	.18370	5.9487	.83503	77.856	63.760	45.98

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24840-b-13-a Acquired: 6/3/2013 21:29:50 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.2398	.43655	-.98872	1.2026	1.1851	17.493	8752.7
Stddev	1.2752	.32173	.06367	1.2146	.4753	2.165	22.3
%RSD	56.933	73.699	6.4395	101.00	40.106	12.374	.25482

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	318.00
Stddev	.81
%RSD	.25616

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6402.3	5313.8	54531.	9947.9
Stddev	24.5	14.8	105.	34.4
%RSD	.38257	.27875	.19336	.34627

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	85.050%	94.010%	95.788%	96.938%
Range				

Sample Name: 240-24871-c-2-a Acquired: 6/3/2013 21:34:00 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.10468	6.7568	-.32765	113.86	50.732	-.23889	75669.	.0228
Stddev	.17095	11.060	.95113	.12	2.142	.00936	605.	.0416
%RSD	163.31	163.68	290.29	.10597	4.2219	3.9166	.79956	182.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.35232	-.01484	8.4081	84.037	8463.9	-7.6497	30326.	195.86
Stddev	.14992	.22758	.4435	45.495	96.4	1.3753	64.	.63
%RSD	42.553	1533.9	5.2745	54.136	1.1385	17.978	.21037	.32355

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.9433	^ *****	3.1082	-1.1892	-.5471	-.66207	.48428	-.70521
Stddev	.1665	-----	.2771	.3075	1.021	2.4700	.55928	.25529
%RSD	8.5681	-----	8.9136	25.858	186.7	373.08	115.49	36.200

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24871-c-2-a Acquired: 6/3/2013 21:34:00 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.0015	1.7749	17.016	4443.2	189.45
Stddev	.7758	.5920	11.846	14.9	2.30
%RSD	77.467	33.356	69.618	.33491	1.2153

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7041.0	5602.6	57678.	10188.
Stddev	8.9	6.0	65.	78.
%RSD	.12674	.10657	.11297	.76975

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	93.534%	99.119%	101.32%	99.278%
Range				

Sample Name: 240-24871-c-3-a Acquired: 6/3/2013 21:37:57 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .25908	11.844	1.2899	508.85	37.732	- .39139	206410.
Stddev	.20663	8.910	.6290	.34	.216	.04604	330.
%RSD	79.756	75.230	48.762	.06722	.57218	11.763	.15980

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .0742	2.6337	.76735	6.9533	425.60	2436.3	10.224
Stddev	.1466	.2443	.29038	.4560	.45	61.1	.863
%RSD	197.6	9.2767	37.842	6.5586	.10585	2.5084	8.4452

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	51133.	1055.2	1.0436	110400.	336.94	- .90561	- 1.433
Stddev	157.	3.2	.0420	150.	1.71	1.2988	1.588
%RSD	.30759	.30421	4.0237	.13556	.50724	143.42	110.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24871-c-3-a Acquired: 6/3/2013 21:37:57 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.51601	.39470	-1.0805	1.5845	-1.1793	10.530	7078.7
Stddev	3.9684	.11152	.1108	.6598	1.6682	4.426	13.6
%RSD	769.06	28.254	10.253	41.640	141.46	42.034	.19218

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	559.02
Stddev	2.62
%RSD	.46892

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6524.2	5330.4	55156.	9970.2
Stddev	18.3	15.0	132.	60.2
%RSD	.28104	.28176	.23866	.60333

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	86.669%	94.304%	96.885%	97.156%
Range				

Sample Name: CCV Acquired: 6/3/2013 21:42:02 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	989.37	24403.	494.05	5017.4	1963.1	1909.9	51178.
Stddev	1.12	30.	2.44	3.5	1.0	1.5	80.
%RSD	.11349	.12348	.49367	.07041	.04846	.07790	.15670

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	507.6	1958.3	1836.1	1863.2	23927.	52321.	4682.9
Stddev	.4	1.0	2.7	3.9	31.	113.	5.6
%RSD	.0779	.05210	.14960	.20933	.12989	.21573	.11903

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47517.	F 1720.2	1881.4	49879.	1963.8	468.49	499.5
Stddev	159.	8.6	1.4	147.	1.8	1.25	3.6
%RSD	.33510	.49973	.07233	.29532	.08969	.26671	.7109

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		2000.0					
Range		-10.500%					

Sample Name: CCV Acquired: 6/3/2013 21:42:02 Type: QC
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	461.80	5146.6	4597.0	984.38	1998.8	2008.9	5438.6
Stddev	.23	2.0	24.2	.68	2.6	3.8	75.6
%RSD	.05005	.03978	.52559	.06889	.13080	.19044	1.3907

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	5140.4
Stddev	1.5
%RSD	.02869

Check ?	Chk Pass
Value	
Range	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6636.9	5516.6	56891.	9952.4
Stddev	8.6	10.8	103.	61.3
%RSD	.12913	.19586	.18171	.61566

Sample Name: CCB Acquired: 6/3/2013 21:45:58 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.30089	13.735	.89211	9.7445	2.0123	F 1.7440	57.681
Stddev	.11216	27.040	.15406	.9192	2.4910	2.5388	94.986
%RSD	37.278	196.87	17.269	9.4330	123.79	145.58	164.67

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						1.0000	
Low Limit						-1.0000	

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0493	.28232	-.43934	F 10.157	24.872	26.276	2.1349
Stddev	.0160	.02527	.09314	.692	31.608	68.137	5.5906
%RSD	32.40	8.9501	21.200	6.8096	127.09	259.31	261.86

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				5.0000			
Low Limit				-5.0000			

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	60.069	-.36504	1.6778	124.78	-.35913	-.53335	.1662
Stddev	51.552	.04927	.1096	80.43	.08420	.16938	1.175
%RSD	85.821	13.496	6.5313	64.455	23.444	31.758	706.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: CCB Acquired: 6/3/2013 21:45:58 Type: QC
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.54337	1.6047	.61704	.95766	2.7100	-.24396	7.6828
Stddev	2.7806	.2845	.17334	.64888	1.9045	.08170	6.6961
%RSD	511.74	17.727	28.092	67.757	70.277	33.488	87.157

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1.4129
Stddev	3.9108
%RSD	276.79

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7684.7	5803.0	60482.	10081.
Stddev	8.0	7.3	144.	27.
%RSD	.10432	.12543	.23768	.26678

Sample Name: 240-24871-c-4-a Acquired: 6/3/2013 21:50:00 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .37532	31.206	1.8460	824.40	15.607	- .11428	40992.
Stddev	.08014	13.076	2.4661	.91	.174	.01543	65.
%RSD	21.353	41.902	133.59	.11049	1.1153	13.504	.15752

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .2484	.19791	- .18414	8.7853	634.46	4430.6	36.158
Stddev	.0304	.09258	.06032	.4671	.51	25.0	.731
%RSD	12.26	46.781	32.757	5.3166	.08066	.56391	2.0205

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11907.	28.842	.37892	228660.	35.834	- .81202	-1.368
Stddev	30.	.044	.07526	3007.	.074	.71324	.690
%RSD	.25169	.15362	19.862	1.3149	.20700	87.835	50.43

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24871-c-4-a Acquired: 6/3/2013 21:50:00 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.9441	.83156	-.19281	.05384	.67744	6.4435	4945.1
Stddev	2.6740	.20938	.09252	.48774	1.2747	.0710	10.4
%RSD	137.55	25.179	47.983	905.93	188.17	1.1013	.21028

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	442.96
Stddev	2.06
%RSD	.46543

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6614.2	5449.3	55600.	10020.
Stddev	26.3	23.0	142.	23.
%RSD	.39784	.42272	.25575	.22552

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	87.864%	96.408%	97.666%	97.643%
Range				

Sample Name: 240-24871-c-5-a Acquired: 6/3/2013 21:54:02 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.15839	31.173	4.7423	142.95	34.493	-1.34579	256560.
Stddev	.27515	14.564	2.0696	.82	.110	.03196	5110.
%RSD	173.72	46.720	43.641	.57469	.31945	9.2421	1.9916

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-0.0186	.96103	.04314	7.8459	3983.4	2181.0	15.335
Stddev	.1058	.11505	.04544	.2857	13.2	22.7	.285
%RSD	569.8	11.972	105.34	3.6408	.33043	1.0424	1.8560

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	73780.	722.54	2.0006	61222.	74.744	-3.4679	-2.556
Stddev	301.	2.35	.0708	18.	.628	.6024	.942
%RSD	.40785	.32507	3.5415	.02955	.84029	17.370	36.87

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24871-c-5-a Acquired: 6/3/2013 21:54:02 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.6509	.87964	-.94340	1.5897	-.31871	8.7900	7782.7
Stddev	1.7590	.17909	.46438	.6670	1.8063	.1190	12.2
%RSD	106.55	20.359	49.224	41.960	566.76	1.3537	.15696

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	635.61
Stddev	8.22
%RSD	1.2939

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6520.9	5326.7	55639.	9823.8
Stddev	24.6	14.5	148.	164.0
%RSD	.37784	.27199	.26607	1.6697

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	86.625%	94.238%	97.735%	95.729%
Range				

Sample Name: 240-24871-c-6-a Acquired: 6/3/2013 21:58:04 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.25899	10.255	.81881	100.81	19.361	-.39575	225610.
Stddev	.50281	13.693	.43468	.39	.063	.04545	1619.
%RSD	194.14	133.53	53.087	.38867	.32641	11.484	.71744

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1040	.59972	.02837	7.5790	44.755	1353.7	5.0540
Stddev	.1482	.13990	.27779	.9696	.540	27.7	.3500
%RSD	142.4	23.328	979.25	12.793	1.2055	2.0429	6.9244

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	60524.	12.173	1.7374	49941.	20.975	-2.8911	-2.608
Stddev	222.	1.997	.0646	37.	.606	1.2327	.488
%RSD	.36644	16.403	3.7158	.07338	2.8890	42.636	18.70

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24871-c-6-a Acquired: 6/3/2013 21:58:04 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.01495	.46570	-1.0602	1.4812	.03259	7.0929	6200.4
Stddev	1.5075	.37095	.0297	.7231	1.9259	.0306	23.7
%RSD	10086.	79.653	2.7983	48.821	5909.5	.43153	.38229

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	463.13
Stddev	2.97
%RSD	.64064

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6547.9	5318.7	55353.	9839.9
Stddev	16.7	11.2	156.	40.1
%RSD	.25551	.21066	.28231	.40748

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	86.984%	94.097%	97.231%	95.886%
Range				

Sample Name: 240-24871-c-7-a Acquired: 6/3/2013 22:02:07 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.24950	46.870	-1.1529	60.024	16.783	-.48669	286960.
Stddev	.23013	21.335	.2117	.236	.095	.02788	508.
%RSD	92.236	45.520	18.367	.39386	.56692	5.7294	.17687

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0187	1.1165	.05050	6.5537	173.19	1158.1	11.388
Stddev	.0252	.0534	.24713	.8925	3.56	61.5	.564
%RSD	134.7	4.7786	489.34	13.618	2.0573	5.3068	4.9537

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	110470.	159.40	1.1906	49787.	9.6309	-2.5719	-2.158
Stddev	777.	.47	.1523	124.	.3383	1.4889	2.332
%RSD	.70321	.29219	12.795	.24860	3.5124	57.891	108.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24871-c-7-a Acquired: 6/3/2013 22:02:07 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.64317	.61351	-.68318	1.2688	1.2776	7.6489	6449.7
Stddev	1.5225	.46248	.11465	.2276	.9747	.0253	34.4
%RSD	236.71	75.382	16.782	17.939	76.289	.33032	.53334

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	771.26
Stddev	.86
%RSD	.11164

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6438.7	5276.7	54694.	9982.5
Stddev	8.2	8.8	220.	140.4
%RSD	.12812	.16677	.40171	1.4062

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	85.533%	93.354%	96.074%	97.275%
Range				

Sample Name: 240-24871-c-8-a Acquired: 6/3/2013 22:06:09 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.15869	7.0564	-.09042	237.44	52.719	-.26746	138110.
Stddev	.36495	14.900	1.0206	.45	.206	.02069	471.
%RSD	229.98	211.15	1128.7	.18751	.39003	7.7350	.34067

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0507	.23478	-.17722	7.9066	161.30	4777.9	23.576
Stddev	.0825	.17482	.03458	.5122	1.18	21.3	.504
%RSD	162.6	74.460	19.515	6.4783	.73088	.44568	2.1393

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47602.	212.39	.86508	112020.	6.6944	-2.4385	-1.155
Stddev	175.	.32	.05549	176.	.4545	.5506	.498
%RSD	.36812	.15288	6.4147	.15739	6.7896	22.578	43.14

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24871-c-8-a Acquired: 6/3/2013 22:06:09 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-0.00284	.79411	-0.96357	1.0552	.01665	1.8693	6818.9
Stddev	.65081	.56638	.07266	.3417	.67762	.1177	11.8
%RSD	22921.	71.323	7.5408	32.385	4070.9	6.2981	.17339

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	471.20
Stddev	5.83
%RSD	1.2365

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6612.3	5383.6	55637.	9801.7
Stddev	5.7	7.2	111.	18.7
%RSD	.08663	.13343	.20019	.19044

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	87.839%	95.244%	97.730%	95.514%
Range				

Sample Name: 240-24871-c-9-a Acquired: 6/3/2013 22:10:15 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.37185	16.898	.41851	338.94	26.138	-.24395	91137.
Stddev	.17676	3.871	1.1551	1.03	.032	.00075	202.
%RSD	47.535	22.907	276.01	.30524	.12344	.30727	.22173

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1065	.30285	-.05556	8.8018	30.599	3044.9	39.025
Stddev	.1325	.15673	.30292	.1721	1.990	18.0	.334
%RSD	124.5	51.752	545.22	1.9547	6.5029	.59061	.85663

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50631.	26.581	6.7663	237590.	1.5811	-1.8350	-.7670
Stddev	57.	.128	.0486	3039.	.3731	.5655	.5437
%RSD	.11324	.48054	.71900	1.2792	23.595	30.817	70.89

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24871-c-9-a Acquired: 6/3/2013 22:10:15 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .40151	.38822	- .91909	.68230	1.2610	8.5851	5443.4
Stddev	3.1387	.03356	.05302	.18085	1.9121	.1090	86.1
%RSD	781.74	8.6456	5.7686	26.506	151.64	1.2702	1.5813

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	448.71
Stddev	4.69
%RSD	1.0460

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6480.5	5340.6	54797.	9954.9
Stddev	13.4	6.0	358.	15.0
%RSD	.20693	.11259	.65377	.15090

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	86.089%	94.484%	96.255%	97.007%
Range				

Sample Name: 240-24856-j-1-b Acquired: 6/3/2013 22:14:20 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.28148	3.6773	15.346	165.74	132.49	-.16826	60888.
Stddev	.19534	15.232	1.004	1.02	.78	.05601	127.
%RSD	69.398	414.21	6.5402	.61786	.58892	33.286	.20827

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0952	.48808	.19957	12.548	13.532	22836.	26.175
Stddev	.0667	.11761	.28855	.543	.169	131.	.357
%RSD	70.10	24.097	144.58	4.3303	1.2465	.57508	1.3631

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14793.	23.137	79.355	233110.	4.7386	-1.6876	2.284
Stddev	133.	.017	.162	1211.	.2008	.3377	.717
%RSD	.90190	.07504	.20469	.51970	4.2368	20.010	31.38

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24856-j-1-b Acquired: 6/3/2013 22:14:20 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.9659	.58424	-1.1284	.98301	2.9987	7.7599	5660.1
Stddev	1.9995	.39530	.0576	1.1070	.6581	.0485	14.8
%RSD	67.416	67.659	5.1041	112.61	21.946	.62512	.26198

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	3214.7
Stddev	21.1
%RSD	.65528

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6576.1	5412.8	55279.	10153.
Stddev	24.6	20.8	39.	13.
%RSD	.37446	.38507	.07040	.12509

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	87.359%	95.761%	97.101%	98.940%
Range				

Sample Name: 240-24858-j-1-b Acquired: 6/3/2013 22:18:24 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.21645	-8.0224	4.1488	192.60	144.28	-.22201	61338.	-.0016
Stddev	.45428	6.5443	1.2808	.19	.18	.03086	65.	.1423
%RSD	209.88	81.576	30.872	.09756	.12393	13.902	.10624	8847.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.5656	.21840	12.726	8.0090	19144.	27.586	16121.	11.458
Stddev	.1024	.02879	.393	.6140	28.	.728	32.	.010
%RSD	3.9926	13.182	3.0919	7.6665	.14829	2.6408	.20098	.08858

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	105.85	99458.	6.5426	-.72015	2.611	8.9512	.11978	-1.1016
Stddev	.06	59.	.2008	1.0469	1.466	1.7884	.31616	.1216
%RSD	.05956	.05897	3.0698	145.37	56.12	19.980	263.96	11.034

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24858-j-1-b Acquired: 6/3/2013 22:18:24 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.0208	1.8972	8.4862	4634.4	3078.5
Stddev	.9661	.4067	.0188	17.9	4.3
%RSD	94.646	21.437	.22168	.38653	.14017

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6840.5	5510.6	57003.	9969.3
Stddev	25.2	17.0	155.	16.4
%RSD	.36881	.30893	.27193	.16482

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.870%	97.491%	100.13%	97.147%
Range				

Sample Name: 240-25006-p-1-b Acquired: 6/3/2013 22:22:20 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.12463	13.003	-.22583	2105.8	701.03	-.95096
Stddev	.18817	12.355	.85030	5.8	3.01	.05432
%RSD	150.98	95.014	376.52	.27530	.42887	5.7119

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 600610.	-.0595	1.4414	1.5981	4.1779	4215.6
Stddev	5654.	.2521	.2282	.0675	.3047	29.3
%RSD	.94136	423.3	15.834	4.2240	7.2926	.69563

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500000.					
Low Limit	-500000.					

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	32171.	3940.8	53528.	345.65	4.1051	F 861850.
Stddev	173.	20.8	528.	1.58	.0520	10479.
%RSD	.53821	.52769	.98626	.45605	1.2668	1.2159

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500000.
Low Limit						-500000.

Sample Name: 240-25006-p-1-b Acquired: 6/3/2013 22:22:20 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.4923	-4.3583	-5.629	-2.1046	1.1929	-3.7602
Stddev	.4643	1.6039	2.358	1.7242	.4483	.1027
%RSD	8.4542	36.800	41.89	81.928	37.580	2.7318

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.93107	.58432	11.892	1843.0	F 50698.
Stddev	.84234	.27475	.058	13.4	312.
%RSD	90.471	47.020	.48428	.72480	.61475

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit					50000.
Low Limit					-500000.

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5443.6	4742.4	48336.	9557.3
Stddev	12.5	2.3	99.	107.6
%RSD	.22908	.04779	.20576	1.1253

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	72.313%	83.901%	84.906%	93.132%
Range				

Sample Name: 240-25007-h-1-b Acquired: 6/3/2013 22:26:29 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.00300	14.278	1.2299	2500.0	838.59	-1.0750
Stddev	.38629	14.804	.3970	3.2	1.90	.0477
%RSD	12882.	103.68	32.277	.12760	.22643	4.4342

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 711410.	-.1207	1.5107	1.7938	3.9938	4502.9
Stddev	3645.	.1165	.0483	.0601	.7519	.6
%RSD	.51238	96.49	3.1949	3.3519	18.827	.01372

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500000.					
Low Limit	-500000.					

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	38583.	4720.8	63701.	407.45	4.4562	F 952090.
Stddev	224.	2.7	215.	.95	.0574	10452.
%RSD	.58170	.05661	.33745	.23352	1.2880	1.0978

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500000.
Low Limit						-500000.

Sample Name: 240-25007-h-1-b Acquired: 6/3/2013 22:26:29 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.7201	-4.8141	-5.368	.36519	1.2618	-4.1878
Stddev	.2821	1.2627	2.655	.55293	.5195	.1165
%RSD	4.1977	26.230	49.45	151.41	41.170	2.7817

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.8053	-.70027	14.754	2131.5	F 60410.
Stddev	.8064	.92109	.119	6.6	341.
%RSD	44.665	131.53	.80642	.30798	.56471

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit					50000.
Low Limit					-500000.

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5354.8	4687.0	47879.	9443.0
Stddev	13.3	8.6	33.	58.4
%RSD	.24929	.18310	.06866	.61825

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	71.134%	82.921%	84.104%	92.018%
Range				

Sample Name: CCV Acquired: 6/3/2013 22:30:40 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	993.29	24691.	493.83	5012.3	1967.8	1920.8	51114.
Stddev	1.75	73.	1.75	1.4	4.6	1.1	102.
%RSD	.17578	.29463	.35386	.02735	.23225	.05945	.19887

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	504.6	1954.1	1862.2	1878.7	24111.	51926.	4727.4
Stddev	1.0	5.0	3.6	5.8	32.	257.	2.1
%RSD	.1909	.25824	.19492	.30656	.13114	.49545	.04537

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47836.	F 1765.5	1891.7	49384.	1960.0	468.58	498.8
Stddev	112.	9.8	2.8	66.	5.7	.82	2.5
%RSD	.23501	.55379	.14916	.13376	.28878	.17602	.5095

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		2000.0					
Range		-10.500%					

Sample Name: CCV Acquired: 6/3/2013 22:30:40 Type: QC
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	474.56	5105.1	4658.9	982.65	2003.3	2002.0	5407.1
Stddev	.56	13.9	20.9	3.08	3.0	6.5	58.1
%RSD	.11750	.27139	.44759	.31309	.15097	.32644	1.0744

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	5128.5
Stddev	24.4
%RSD	.47618

Check ?	Chk Pass
Value	
Range	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6657.9	5511.8	56604.	10132.
Stddev	21.8	15.4	61.	55.
%RSD	.32684	.27906	.10792	.54720

Sample Name: CCB Acquired: 6/3/2013 22:34:35 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.45857	18.187	.21149	5.2583	.44045	.22990	40.640
Stddev	.14681	11.525	.93331	.7793	.13205	.04524	4.954
%RSD	32.015	63.372	441.31	14.821	29.981	19.678	12.190

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0178	.22778	-.44977	F 9.5336	5.5196	35.971	.34216
Stddev	.1532	.16867	.33845	.1773	.9790	36.804	.40290
%RSD	860.9	74.049	75.249	1.8596	17.737	102.32	117.75

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				5.0000			
Low Limit				-5.0000			

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	29.150	-.40892	1.6916	205.86	-.40960	-.39658	-.1006
Stddev	5.136	.06546	.1610	16.74	.16889	.59024	1.046
%RSD	17.619	16.009	9.5157	8.1326	41.234	148.83	1039.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: CCB Acquired: 6/3/2013 22:34:35 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.12653	1.9507	.80848	.85985	3.0796	-.30705	7.5988
Stddev	.43002	.2410	.09013	.58215	.6825	.09229	3.8401
%RSD	339.86	12.353	11.148	67.703	22.162	30.057	50.536

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	4.0907
Stddev	4.1811
%RSD	102.21

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7681.0	5784.4	59667.	9986.4
Stddev	25.8	21.2	246.	35.8
%RSD	.33573	.36598	.41216	.35847

Sample Name: 240-25007-h-1-b@10 Acquired: 6/3/2013 22:38:38 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.22513	8.9896	.66507	246.16	85.818	-.09794	78727.
Stddev	.27839	5.8026	1.4456	1.86	.320	.02062	146.
%RSD	123.66	64.548	217.36	.75747	.37271	21.054	.18586

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0913	.36706	.12695	7.4603	482.33	3609.2	452.66
Stddev	.1588	.42686	.18643	.1740	1.63	27.3	2.55
%RSD	173.9	116.29	146.86	2.3329	.33742	.75751	.56303

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6900.8	42.021	.66695	124270.	3.1655	-1.0488	.7294
Stddev	17.2	.100	.30078	148.	.0960	.4268	.9642
%RSD	.24856	.23906	45.097	.11891	3.0313	40.693	132.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-25007-h-1-b@10 Acquired: 6/3/2013 22:38:38 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.11821	1.0886	-.93817	.70297	-.43535	1.8244	211.43
Stddev	.77343	1.0980	.11740	.44983	.86604	.2918	4.30
%RSD	654.31	100.86	12.513	63.990	198.93	15.992	2.0350

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	6368.2
Stddev	23.7
%RSD	.37226

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6793.8	5534.6	56380.	9999.1
Stddev	17.6	13.7	120.	72.9
%RSD	.25908	.24742	.21277	.72884

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.250%	97.916%	99.035%	97.437%
Range				

Sample Name: 240-25010-I-1-b Acquired: 6/3/2013 22:42:35 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.12424	-5.9297	1.4280	16.706	36.827	-.17388	38642.	-.1324
Stddev	.09267	12.980	1.1285	.225	.243	.03984	54.	.1400
%RSD	74.591	218.90	79.028	1.3471	.65925	22.915	.13988	105.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.26393	-.38132	9.0497	48.357	345.85	5.5217	22797.	28.103
Stddev	.03920	.09520	.6696	.988	40.56	.6767	44.	.029
%RSD	14.851	24.966	7.3995	2.0422	11.726	12.256	.19504	.10216

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.09511	3073.6	.60886	-.42538	-1.833	.70988	.51214	-.80924
Stddev	.18452	10.7	.08971	.15266	.740	1.9928	.15555	.14083
%RSD	194.01	.34934	14.734	35.888	40.35	280.72	30.373	17.403

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-25010-I-1-b Acquired: 6/3/2013 22:42:35 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.71785	.95029	7.2951	410.60	342.24
Stddev	.66592	1.9632	.0415	2.89	3.76
%RSD	92.767	206.59	.56875	.70296	1.0988

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7335.6	5748.2	59932.	10364.
Stddev	20.8	24.0	107.	40.
%RSD	.28344	.41708	.17809	.38445

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.447%	101.69%	105.27%	100.99%
Range				

Sample Name: mb 240-87772/1-a Acquired: 6/3/2013 22:46:35 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.20614	-14.965	.56548	-1.6609	.20903	-.07548	91.202
Stddev	.19151	13.576	1.3751	.1267	.20084	.05162	196.11
%RSD	92.904	90.721	243.17	7.6286	96.081	68.385	215.03

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0224	-.05986	-.70613	F 7.7076	-.39510	1.1868	-2.8504
Stddev	.0242	.13868	.22845	.1805	1.5760	13.363	1.1812
%RSD	108.0	231.67	32.352	2.3423	398.89	1125.9	41.439

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				5.0000			
Low Limit				-1000.0			

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	70.215	-.60599	-.26017	115.78	-.82434	-.38836	-1.619
Stddev	102.09	.01364	.15431	53.59	.29190	.61253	1.473
%RSD	145.39	2.2501	59.312	46.283	35.410	157.72	90.93

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: mb 240-87772/1-a Acquired: 6/3/2013 22:46:35 Type: QC
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.15878	.40315	-.93424	.89329	.88306	1.8445	.31732
Stddev	.49425	.25410	.08795	.55726	1.7409	.0771	6.3210
%RSD	311.28	63.028	9.4143	62.382	197.14	4.1801	1992.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1.1902
Stddev	4.5179
%RSD	379.61

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7782.7	5880.5	61139.	10488.
Stddev	52.1	35.0	131.	12.
%RSD	.66913	.59487	.21436	.11247

Sample Name: lcs 240-87772/2-a Acquired: 6/3/2013 22:50:37 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49.286	1826.8	1886.7	973.48	1833.2	43.628	47188.	47.31
Stddev	.311	23.3	1.5	.82	2.0	.049	66.	.12
%RSD	.63185	1.2774	.08097	.08454	.11041	.11157	.13960	.2536

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	456.06	174.27	228.65	906.27	48961.	860.49	44555.	428.29
Stddev	.13	1.01	.18	2.73	66.	1.26	141.	1.04
%RSD	.02797	.57952	.07710	.30111	.13400	.14670	.31580	.24199

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	894.67	46613.	460.66	449.96	471.1	1856.0	1881.2	870.56
Stddev	.55	44.	.59	1.40	3.2	2.3	3.6	1.39
%RSD	.06101	.09541	.12914	.31009	.6879	.12419	.19117	.15915

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: lcs 240-87772/2-a Acquired: 6/3/2013 22:50:37 Type: QC
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	TI1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1891.6	474.51	467.55	1011.0	930.45
Stddev	.8	.91	1.17	7.5	2.02
%RSD	.04008	.19109	.25098	.73736	.21658

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6809.7	5509.0	56926.	10163.
Stddev	16.7	14.8	181.	53.
%RSD	.24454	.26904	.31803	.52211

Sample Name: 240-24796-aq-10-a Acquired: 6/3/2013 22:54:16 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.12488	-18.535	1.5453	40.912	19.312	-.18841	62400.	-.0575
Stddev	.20591	2.997	1.5455	.194	.100	.02082	15.	.1208
%RSD	164.89	16.170	100.01	.47506	.52012	11.051	.02428	210.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.33370	-.05274	10.000	98.833	1438.4	-5.8597	11353.	276.84
Stddev	.15411	.15614	.833	.645	39.6	1.0324	10.	2.08
%RSD	46.181	296.06	8.3320	.65287	2.7517	17.618	.08769	.74995

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	87.187	25297.	.03528	.72660	1.027	2.0581	1.1185	.06307
Stddev	.322	61.	.34032	.92928	2.225	1.7085	.2307	1.1721
%RSD	.36921	.24168	964.52	127.89	216.6	83.013	20.627	1858.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24796-aq-10-a Acquired: 6/3/2013 22:54:16 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.6266	-.07550	197.22	3843.4	123.43
Stddev	.7841	.73593	.42	7.4	2.53
%RSD	48.206	974.72	.21215	.19377	2.0467

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7208.3	5676.9	58741.	10356.
Stddev	12.6	15.2	338.	4.
%RSD	.17480	.26813	.57523	.03808

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.756%	100.43%	103.18%	100.91%
Range				

Sample Name: SD240-24796-aq-10a@5 Acquired: 6/3/2013 22:58:14 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.11698	-.31568	.86280	6.1364	4.0877	-.14932	13098.	-.1420
Stddev	.28308	4.5854	1.7140	.5319	.0179	.00937	7.	.1153
%RSD	241.99	1452.5	198.65	8.6671	.43723	6.2772	.05155	81.14

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.10079	-.58343	8.6370	21.702	281.08	-3.0892	2420.5	57.509
Stddev	.06070	.06762	.4052	.506	8.47	.1846	31.7	.146
%RSD	60.230	11.590	4.6915	2.3333	3.0121	5.9743	1.3084	.25468

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18.136	5247.4	-.26918	-.62100	.9315	1.9752	.47040	-.97155
Stddev	.389	3.6	.21089	.36581	.6627	.1286	.40854	.10923
%RSD	2.1425	.06874	78.348	58.906	71.14	6.5132	86.850	11.243

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: SD240-24796-aq-10a@5 Acquired: 6/3/2013 22:58:14 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.82235	1.6440	39.945	795.30	25.971
Stddev	.64529	1.5374	.404	4.28	3.570
%RSD	78.468	93.519	1.0120	.53795	13.745

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7570.7	5790.1	59612.	10182.
Stddev	24.1	29.3	117.	15.
%RSD	.31808	.50581	.19622	.15108

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.57%	102.44%	104.71%	99.224%
Range				

Sample Name: 240-24796-aq-10-b.ms Acquired: 6/3/2013 23:02:14 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	52.220	2015.3	2061.8	1094.6	2040.7	47.706	113240.
Stddev	.460	19.5	2.1	3.7	1.8	.095	166.
%RSD	.88019	.96519	.10184	.33555	.08973	.19837	.14677

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	51.52	503.20	189.61	253.16	1085.1	55359.	938.25
Stddev	.12	.75	.06	.12	1.8	43.	1.66
%RSD	.2368	.14880	.03201	.04762	.16224	.07723	.17704

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	59522.	728.10	1059.8	75641.	507.16	478.78	520.3
Stddev	180.	.46	1.4	39.	.69	1.34	1.5
%RSD	.30289	.06336	.12749	.05169	.13535	.27951	.2878

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24796-aq-10-b.ms Acquired: 6/3/2013 23:02:14 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1982.4	2072.5	942.95	1998.7	520.73	705.61	4947.6
Stddev	2.8	2.1	1.16	3.3	4.38	1.40	11.7
%RSD	.14319	.10055	.12335	.16528	.84187	.19812	.23619

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1154.0
Stddev	5.5
%RSD	.47795

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6609.3	5432.9	56113.	10001.
Stddev	31.8	20.3	22.	43.
%RSD	.48085	.37384	.03896	.42560

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	87.799%	96.118%	98.567%	97.459%
Range				

Sample Name: 240-24796-aq-10-cmsD Acquired: 6/3/2013 23:05:52 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	51.365	1950.4	2031.1	1076.0	2002.3	46.759	111430.
Stddev	.079	14.5	7.0	.8	3.0	.049	163.
%RSD	.15389	.74392	.34674	.07283	.15190	.10545	.14646

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50.71	493.95	186.41	247.65	1071.4	54738.	921.57
Stddev	.11	.14	.93	.46	1.6	22.	1.65
%RSD	.2121	.02769	.49746	.18417	.14743	.04077	.17922

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	58557.	714.56	1042.3	74506.	498.87	474.23	510.9
Stddev	120.	3.20	1.4	25.	.80	.97	1.6
%RSD	.20451	.44768	.13517	.03349	.16048	.20483	.3117

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24796-aq-10-cmsD Acquired: 6/3/2013 23:05:52 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1957.9	2041.0	921.53	1978.2	512.04	699.90	4889.2
Stddev	14.7	3.5	2.51	5.7	.70	2.02	26.0
%RSD	.75028	.17119	.27213	.28699	.13729	.28819	.53221

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1129.9
Stddev	3.7
%RSD	.32544

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6604.9	5432.8	55851.	9932.3
Stddev	33.6	30.7	182.	40.3
%RSD	.50891	.56474	.32649	.40566

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	87.741%	96.115%	98.107%	96.786%
Range				

Sample Name: 240-24796-ap-10-a Acquired: 6/3/2013 23:09:30 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.09254	11.850	.94114	39.240	21.171	-.12964	60535.	-.1023
Stddev	.07375	10.581	.93538	.241	4.564	.11711	110.	.1122
%RSD	79.700	89.291	99.388	.61337	21.556	90.328	.18210	109.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.44806	-.11080	10.775	1.8902	1480.5	-4.1600	10896.	240.30
Stddev	.15003	.35033	.502	3.2585	95.5	2.3064	130.	.51
%RSD	33.485	316.17	4.6566	172.38	6.4530	55.441	1.1956	.21159

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	83.708	23503.	.58130	-1.2384	1.189	3.5877	1.3588	-.60961
Stddev	.319	104.	.27997	.7237	1.395	1.8072	.1651	.08575
%RSD	.38106	.44456	48.162	58.435	117.4	50.372	12.153	14.067

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24796-ap-10-a Acquired: 6/3/2013 23:09:30 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.4017	2.2560	122.29	3696.6	118.56
Stddev	.6568	2.2153	.55	15.1	4.11
%RSD	27.349	98.194	.45165	.40951	3.4637

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7153.4	5645.8	58439.	10034.
Stddev	30.0	19.0	548.	64.
%RSD	.41930	.33735	.93727	.63319

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.028%	99.883%	102.65%	97.772%
Range				

Sample Name: 240-24796-ap-10-b.ms Acquired: 6/3/2013 23:13:25 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50.109	1868.7	1950.7	1045.2	1914.7	44.788	107030.
Stddev	.258	6.6	2.1	1.2	7.7	.197	387.
%RSD	.51565	.35480	.10990	.11694	.40293	.43919	.36131

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48.62	471.17	177.46	238.72	926.35	52120.	880.92
Stddev	.08	1.09	.20	1.05	5.79	180.	4.00
%RSD	.1689	.23195	.10994	.43995	.62455	.34562	.45354

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	55699.	667.71	1000.9	71082.	475.13	454.47	495.7
Stddev	386.	1.54	1.5	307.	1.41	1.03	1.2
%RSD	.69246	.23138	.14573	.43199	.29725	.22767	.2333

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24796-ap-10-b.ms Acquired: 6/3/2013 23:13:25 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1877.2	1950.1	890.93	1918.6	488.60	597.21	4750.1
Stddev	2.2	4.0	2.10	2.9	2.54	2.80	21.2
%RSD	.11478	.20716	.23571	.15206	.51904	.46946	.44623

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1070.5
Stddev	1.8
%RSD	.17219

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6657.6	5464.3	56577.	10074.
Stddev	27.9	17.8	270.	44.
%RSD	.41903	.32663	.47704	.43932

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	88.441%	96.673%	99.381%	98.167%
Range				

Sample Name: CCV Acquired: 6/3/2013 23:17:04 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	992.69	24637.	498.28	4998.4	1965.6	1919.2	51108.
Stddev	1.74	101.	.55	2.4	3.3	2.6	172.
%RSD	.17510	.41128	.10956	.04887	.16653	.13789	.33748

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	503.7	1954.7	1860.9	1877.6	24152.	52214.	4718.5
Stddev	.4	1.0	5.9	4.9	70.	139.	8.1
%RSD	.0766	.04999	.31621	.25852	.28800	.26639	.17143

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47963.	F 1761.6	1893.1	49908.	1961.0	468.13	498.5
Stddev	292.	9.2	.9	108.	.2	.85	2.4
%RSD	.60858	.52020	.04755	.21686	.01196	.18134	.4898

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		2000.0					
Range		-10.500%					

Sample Name: CCV Acquired: 6/3/2013 23:17:04 Type: QC
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	479.58	5106.3	4644.0	985.50	2009.2	2002.0	5412.9
Stddev	.91	4.8	26.5	1.07	5.1	3.6	63.2
%RSD	.19049	.09448	.57028	.10886	.25244	.18059	1.1673

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	5121.9
Stddev	27.2
%RSD	.53035

Check ?	Chk Pass
Value	
Range	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6690.9	5535.9	56672.	10030.
Stddev	15.5	16.7	385.	136.
%RSD	.23236	.30125	.67958	1.3518

Sample Name: CCB Acquired: 6/3/2013 23:21:00 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.48435	38.085	-1.0163	3.4461	4.1190	F 3.0423	123.65
Stddev	.22384	49.313	1.4598	.8441	6.4250	4.8464	214.30
%RSD	46.214	129.48	143.65	24.496	155.99	159.30	173.31

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						1.0000	
Low Limit						-1.0000	

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0333	.12316	-.46913	F 8.9416	40.327	105.51	6.4465
Stddev	.0943	.08332	.12260	.7352	61.729	143.71	12.666
%RSD	282.9	67.651	26.133	8.2221	153.07	136.20	196.47

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				5.0000			
Low Limit				-5.0000			

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	111.77	-.38137	1.8098	167.28	-.33455	-.59857	.6790
Stddev	156.37	.00530	.1439	180.10	.27921	.13242	1.371
%RSD	139.90	1.3891	7.9525	107.66	83.456	22.123	201.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: CCB Acquired: 6/3/2013 23:21:00 Type: QC
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.1965	2.0291	.61587	.75354	4.0561	-.22342	9.8657
Stddev	1.9331	.2732	.07590	.46523	4.0027	.03113	17.966
%RSD	161.56	13.466	12.324	61.740	98.682	13.932	182.10

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	7.5668
Stddev	17.063
%RSD	225.49

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7730.6	5812.5	60038.	10185.
Stddev	3.5	8.7	36.	61.
%RSD	.04490	.14978	.06078	.59655

Sample Name: 240-24796-ap-10-cmsD Acquired: 6/3/2013 23:25:03 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	52.107	1960.5	2028.2	1084.7	1999.9	47.009	112420.
Stddev	.554	18.9	4.3	.9	1.5	.135	52.
%RSD	1.0640	.96198	.21200	.07957	.07276	.28620	.04646

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50.60	493.37	186.81	248.72	977.39	54385.	923.22
Stddev	.15	1.63	.82	1.38	5.00	61.	2.56
%RSD	.3058	.32975	.44029	.55344	.51135	.11127	.27725

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	58717.	702.00	1042.4	74364.	497.38	471.72	513.5
Stddev	127.	2.20	3.4	130.	1.61	1.07	1.8
%RSD	.21569	.31271	.32317	.17523	.32322	.22647	.3531

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24796-ap-10-cmsD Acquired: 6/3/2013 23:25:03 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1946.6	2035.4	933.84	1982.6	507.39	627.73	4933.2
Stddev	5.6	7.3	3.35	9.0	3.47	2.52	9.3
%RSD	.28640	.36022	.35913	.45563	.68386	.40214	.18870

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1122.9
Stddev	1.6
%RSD	.13893

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6615.0	5440.5	55951.	10021.
Stddev	15.8	5.2	156.	30.
%RSD	.23897	.09567	.27963	.29455

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	87.876%	96.252%	98.282%	97.650%
Range				

Sample Name: 240-24796-o-2-a Acquired: 6/3/2013 23:28:41 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.10687	-21.327	3.4700	50.117	20.673	-.15351	69432.	-.1040
Stddev	.17273	25.565	2.1494	1.371	.641	.01470	172.	.2255
%RSD	161.63	119.87	61.942	2.7356	3.1018	9.5763	.24734	216.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.56456	-.13638	8.8068	39.602	2248.3	-6.7231	12464.	145.53
Stddev	.66958	.11737	.7318	1.530	29.9	.9593	12.	.45
%RSD	118.60	86.061	8.3096	3.8634	1.3291	14.269	.09305	.30946

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	38.527	29678.	.65169	-.76983	.7518	1.1236	2.4197	-.61433
Stddev	.970	40.	.73014	.15185	1.195	1.3929	2.1320	.06934
%RSD	2.5181	.13486	112.04	19.725	159.0	123.97	88.111	11.287

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24796-o-2-a Acquired: 6/3/2013 23:28:41 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.9329	.93058	17.466	3534.1	130.66
Stddev	2.4697	1.5646	.643	26.3	6.05
%RSD	84.207	168.13	3.6823	.74337	4.6308

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7125.1	5642.5	58693.	10316.
Stddev	39.0	24.3	256.	47.
%RSD	.54742	.42980	.43570	.45151

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.651%	99.826%	103.10%	100.53%
Range				

Sample Name: 240-24796-n-2-a Acquired: 6/3/2013 23:32:38 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.48009	-2.1997	1.4109	49.379	20.512	-.16876	71417.	-.0392
Stddev	.22038	9.0916	.6388	.224	.076	.02687	55.	.1034
%RSD	45.904	413.31	45.276	.45331	.36832	15.922	.07632	264.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.21215	-.16088	9.3401	16.493	2249.7	-6.5520	12807.	148.10
Stddev	.19056	.07354	.1168	1.184	21.7	.3806	36.	.38
%RSD	89.824	45.711	1.2507	7.1787	.96633	5.8083	.28406	.25722

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	37.641	30767.	.56773	-.92457	-.0935	-.56826	.55431	-.86987
Stddev	.131	63.	.35145	.95873	1.960	1.7044	.39484	.02613
%RSD	.34797	.20317	61.905	103.69	2096.	299.93	71.230	3.0042

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24796-n-2-a Acquired: 6/3/2013 23:32:38 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.1412	1.0511	15.770	3634.0	130.11
Stddev	.1661	1.0528	.087	8.9	1.97
%RSD	14.555	100.16	.55088	.24452	1.5119

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7088.8	5615.5	57871.	10221.
Stddev	8.0	5.1	136.	33.
%RSD	.11304	.09071	.23482	.32163

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.169%	99.348%	101.65%	99.602%
Range				

Sample Name: 240-24796-n-3-a Acquired: 6/3/2013 23:36:33 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.06234	6.0067	.99478	76.170	37.589	-.20010	69969.	-.1543
Stddev	.04479	19.565	1.1200	.341	.034	.02177	45.	.0548
%RSD	71.846	325.71	112.59	.44726	.09114	10.881	.06394	35.50

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.59200	-.16861	8.9191	120.80	1710.6	-6.5262	13024.	14.980
Stddev	.08808	.25975	.5821	.70	29.4	.4919	16.	.086
%RSD	14.878	154.06	6.5265	.57718	1.7184	7.5375	.12072	.57558

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16.964	78134.	2.9721	-1.0953	-.4488	1.0110	.77986	-1.1216
Stddev	.176	28.	.1148	.5736	1.775	.9345	.12891	.0848
%RSD	1.0373	.03629	3.8626	52.372	395.4	92.436	16.530	7.5570

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24796-n-3-a Acquired: 6/3/2013 23:36:33 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.1663	1.7147	5.7251	4596.1	117.89
Stddev	.2515	1.2723	.0643	14.5	1.73
%RSD	21.563	74.200	1.1232	.31583	1.4692

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6912.4	5540.8	56896.	10030.
Stddev	12.0	6.0	101.	20.
%RSD	.17374	.10798	.17669	.19949

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.825%	98.026%	99.942%	97.739%
Range				

Sample Name: 240-24796-n-4-a Acquired: 6/3/2013 23:40:30 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.13955	-13.445	1.3732	99.370	39.387	-.19660	49310.	-.1328
Stddev	.45687	5.413	1.2193	.375	.055	.01806	49.	.1397
%RSD	327.39	40.258	88.789	.37767	.13847	9.1883	.09847	105.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.48020	-.27488	9.4166	30.142	4879.1	-5.7804	16277.	4.0311
Stddev	.03965	.19184	.6590	.889	25.2	1.1691	26.	.0147
%RSD	8.2573	69.792	6.9982	2.9501	.51562	20.225	.15758	.36563

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	39.487	29112.	.45674	-.91472	.8296	.96142	.16034	-.88797
Stddev	.091	19.	.02677	.35731	.8888	1.9049	.74650	.08289
%RSD	.23090	.06665	5.8617	39.063	107.1	198.14	465.57	9.3348

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24796-n-4-a Acquired: 6/3/2013 23:40:30 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.46443	.83411	1.4619	3211.5	188.81
Stddev	.52529	.52727	.1163	14.1	1.78
%RSD	113.10	63.213	7.9551	.43982	.94117

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7116.8	5625.7	58177.	10186.
Stddev	9.9	6.9	186.	30.
%RSD	.13976	.12354	.31898	.29144

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.541%	99.528%	102.19%	99.259%
Range				

Sample Name: 240-24796-o-5-a Acquired: 6/3/2013 23:44:26 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.00892	2.0325	9.7314	92.035	21.867	-.18194	72350.	-.0649
Stddev	.09844	4.8493	.9303	.513	.040	.03050	93.	.1176
%RSD	1103.6	238.59	9.5597	.55741	.18259	16.765	.12893	181.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.15867	.09741	7.3578	591.52	2424.4	-6.1681	12150.	240.63
Stddev	.14572	.15063	.6370	1.02	5.3	.4787	38.	.52
%RSD	91.836	154.63	8.6578	.17176	.21719	7.7600	.30868	.21696

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.9547	87747.	1.2858	-.94305	-1.087	-.47362	.81550	-.92594
Stddev	.1465	48.	.1262	.24899	1.501	1.8307	.35309	.05937
%RSD	2.9562	.05495	9.8129	26.403	138.1	386.53	43.298	6.4118

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24796-o-5-a Acquired: 6/3/2013 23:44:26 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.85864	-.23886	104.14	7781.3	118.02
Stddev	1.0012	.56213	.35	5.6	1.95
%RSD	116.60	235.34	.33359	.07141	1.6481

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6953.1	5577.9	56757.	10105.
Stddev	17.5	14.8	203.	15.
%RSD	.25209	.26589	.35696	.14384

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.366%	98.683%	99.697%	98.473%
Range				

Sample Name: 240-24796-n-5-a Acquired: 6/3/2013 23:48:20 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.24019	-7.4521	6.4427	90.959	27.958	-.20997	75564.	-.0757
Stddev	.45731	7.6755	1.2151	.276	.055	.00534	254.	.0447
%RSD	190.39	103.00	18.860	.30309	.19502	2.5419	.33646	59.07

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.13205	.01892	7.3737	656.49	2508.3	-5.0217	12854.	300.59
Stddev	.13325	.21647	.8647	.76	12.3	.7904	24.	1.22
%RSD	100.91	1144.0	11.726	.11618	.48937	15.740	.18630	.40733

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.8003	81894.	4.0051	-.67110	-.0704	.48137	.60184	-.85501
Stddev	.0886	151.	.1774	.98829	1.183	.44106	.06036	.05373
%RSD	.90391	.18455	4.4288	147.26	1681.	91.626	10.028	6.2838

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24796-n-5-a Acquired: 6/3/2013 23:48:20 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.85003	-.05805	12.575	7542.5	140.64
Stddev	.12532	1.7983	.141	32.4	2.03
%RSD	14.743	3098.1	1.1221	.42914	1.4421

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6965.7	5577.5	56642.	10193.
Stddev	7.5	4.1	191.	100.
%RSD	.10745	.07291	.33803	.98259

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.534%	98.676%	99.496%	99.331%
Range				

Sample Name: 240-24796-o-6-a Acquired: 6/3/2013 23:52:14 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.02851	-8.6304	1.6922	38.662	13.955	-.19305	77766.	-.0809
Stddev	.30961	7.9046	1.3811	.192	.110	.02525	214.	.0494
%RSD	1086.0	91.591	81.612	.49599	.78655	13.082	.27528	61.00

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.30792	.09942	8.5415	7.0589	2826.6	-8.4322	17626.	-.16914
Stddev	.07781	.19241	.9647	.6120	24.3	.7471	43.	.00447
%RSD	25.271	193.53	11.294	8.6704	.85948	8.8601	.24541	2.6420

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.07126	29349.	.15939	-1.1002	-1.481	.97018	.33249	-.95546
Stddev	.16276	57.	.28338	1.3985	.541	.66184	.13886	.06391
%RSD	228.39	.19504	177.79	127.11	36.54	68.218	41.765	6.6885

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24796-o-6-a Acquired: 6/3/2013 23:52:14 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.72959	2.7569	3.4945	4189.1	142.93
Stddev	.42393	1.4875	.1100	2.3	1.08
%RSD	58.106	53.956	3.1463	.05470	.75803

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7047.2	5606.6	57783.	10007.
Stddev	17.4	11.3	89.	54.
%RSD	.24640	.20145	.15400	.53955

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	93.617%	99.190%	101.50%	97.512%
Range				

Sample Name: 240-24796-n-6-a Acquired: 6/3/2013 23:56:15 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.17182	-10.269	.63831	38.740	13.658	-.22678	76227.	-.1750
Stddev	.05287	4.480	.91078	.345	.042	.02909	144.	.0871
%RSD	30.772	43.622	142.69	.89007	.30806	12.829	.18860	49.75

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.23688	-.04003	8.8257	4.0970	2713.2	-7.5189	17285.	.05543
Stddev	.20756	.20023	.2916	.2402	16.2	.5191	53.	.01740
%RSD	87.621	500.23	3.3036	5.8638	.59717	6.9037	.30839	31.387

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.00298	27289.	.01507	-.67223	-1.310	-1.0936	.08611	-1.0446
Stddev	.10104	44.	.26963	1.5817	1.123	1.2605	.14495	.1236
%RSD	3387.5	.16077	1788.8	235.29	85.71	115.26	168.33	11.830

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24796-n-6-a Acquired: 6/3/2013 23:56:15 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.0436	1.2108	4.9316	4039.7	138.96
Stddev	.3850	.6444	.0349	16.6	2.68
%RSD	36.893	53.216	.70749	.41201	1.9308

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7040.5	5585.9	57577.	10226.
Stddev	18.7	16.6	261.	59.
%RSD	.26630	.29696	.45400	.57261

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	93.527%	98.824%	101.14%	99.650%
Range				

Sample Name: 240-24891-I-4-a Acquired: 6/4/2013 0:00:13 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.08671	1.7476	.40211	257.72	45.872	-.22854	120070.
Stddev	.35164	11.825	.78638	.86	.209	.00568	605.
%RSD	405.54	676.66	195.56	.33312	.45631	2.4834	.50373

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0450	.39922	-.07807	7.2902	37.924	3743.6	16.441
Stddev	.1102	.24825	.06734	.0665	.358	31.5	1.096
%RSD	244.6	62.185	86.261	.91230	.94432	.84098	6.6682

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	66932.	42.870	4.6863	49714.	.68258	-1.6855	-1.571
Stddev	618.	.135	.0483	245.	.28569	.7515	.521
%RSD	.92373	.31601	1.0310	.49297	41.855	44.585	33.14

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24891-I-4-a Acquired: 6/4/2013 0:00:13 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.5619	.20687	-1.1263	.69865	.83199	1.8845	10922.
Stddev	.5569	.31128	.0434	.46165	1.2718	.0519	72.
%RSD	21.740	150.47	3.8538	66.078	152.86	2.7539	.65525

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1152.2
Stddev	7.3
%RSD	.63301

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6744.1	5449.8	56469.	10108.
Stddev	36.1	22.5	93.	105.
%RSD	.53568	.41233	.16431	1.0402

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	89.590%	96.416%	99.192%	98.496%
Range				

Sample Name: CCV Acquired: 6/4/2013 0:04:11 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	984.85	24744.	493.01	4950.8	1945.3	1902.1	51092.
Stddev	1.37	190.	.75	6.9	13.1	15.6	165.
%RSD	.13883	.76871	.15314	.13876	.67249	.81950	.32325

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	499.0	1947.3	1865.9	1862.6	24050.	51908.	4708.2
Stddev	.6	1.6	2.6	3.6	208.	326.	34.9
%RSD	.1203	.08102	.13707	.19405	.86621	.62839	.74153

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47919.	F 1780.5	1882.3	49475.	1955.6	469.50	491.1
Stddev	154.	10.0	.4	165.	.9	1.47	1.2
%RSD	.32179	.55889	.01963	.33251	.04592	.31365	.2435

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		2000.0					
Range		-10.500%					

Sample Name: CCV Acquired: 6/4/2013 0:04:11 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	475.79	5089.6	4608.5	978.25	2005.8	2006.2	5369.2
Stddev	5.08	7.6	5.1	.25	12.1	3.0	53.8
%RSD	1.0676	.14860	.11093	.02530	.60537	.14773	1.0011

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	5119.3
Stddev	25.3
%RSD	.49344

Check ?	Chk Pass
Value	
Range	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6629.0	5483.4	55818.	9905.1
Stddev	17.0	9.9	102.	37.1
%RSD	.25590	.18050	.18209	.37485

Sample Name: CCB Acquired: 6/4/2013 0:08:07 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.10670	70.563	.26208	2.2298	4.3382	F 4.0109	160.00
Stddev	.09704	73.839	1.1432	.3625	6.3906	6.1914	270.23
%RSD	90.942	104.64	436.21	16.257	147.31	154.36	168.89

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						1.0000	
Low Limit						-1.0000	

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0414	.33881	-.32964	F 8.4084	51.474	93.690	7.3498
Stddev	.0726	.17509	.03977	.1840	78.649	191.67	15.014
%RSD	175.3	51.679	12.065	2.1884	152.79	204.58	204.28

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				5.0000			
Low Limit				-5.0000			

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	146.63	-.36477	1.4732	175.93	-.34341	-.94414	-.6711
Stddev	198.21	.02716	.1090	196.18	.23656	.44180	.7422
%RSD	135.18	7.4466	7.3994	111.51	68.886	46.794	110.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: CCB Acquired: 6/4/2013 0:08:07 Type: QC
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.93859	1.6001	.80755	.79562	4.8238	-.28118	21.863
Stddev	1.2957	.1521	.03573	.36276	7.1879	.01644	22.347
%RSD	138.04	9.5074	4.4243	45.594	149.01	5.8466	102.22

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	13.991
Stddev	18.726
%RSD	133.84

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7716.0	5792.6	60137.	9969.3
Stddev	5.9	4.9	278.	185.2
%RSD	.07673	.08498	.46253	1.8574

Sample Name: 240-24891-j-4-a Acquired: 6/4/2013 0:12:13 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.14070	11.473	2.1090	268.19	49.499	.38382	125640.
Stddev	.60906	19.196	.2347	.18	.610	.92859	940.
%RSD	432.89	167.31	11.126	.06569	1.2314	241.93	.74813

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.1768	.47339	-.08921	7.7592	12.394	3948.7	19.838
Stddev	.1039	.07257	.22137	.7556	11.871	10.7	2.396
%RSD	58.77	15.330	248.15	9.7377	95.783	.27184	12.077

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	70668.	43.896	5.2030	51259.	.61417	-2.5649	-.6320
Stddev	431.	.294	.1541	280.	.35125	.2655	.3903
%RSD	.61046	.67069	2.9622	.54610	57.190	10.351	61.76

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24891-j-4-a Acquired: 6/4/2013 0:12:13 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .49094	.82272	-.84492	.66921	2.1988	1.6947	11368.
Stddev	.29659	.30331	.07397	.48803	1.4821	.0736	100.
%RSD	60.413	36.867	8.7545	72.926	67.406	4.3422	.88246

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1213.8
Stddev	7.5
%RSD	.61753

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6718.0	5437.9	55632.	9902.6
Stddev	38.5	33.1	161.	42.4
%RSD	.57267	.60826	.28945	.42826

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	89.243%	96.205%	97.721%	96.497%
Range				

Sample Name: 240-24949-j-1-a Acquired: 6/4/2013 0:16:10 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.31714	34.717	7.5925	481.50	115.20	-.58399	383140.
Stddev	.24630	2.819	1.3285	.37	.19	.01448	866.
%RSD	77.664	8.1198	17.497	.07754	.16209	2.4789	.22614

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0049	.49104	-.11536	5.8020	39548.	3078.4	-14.644
Stddev	.0980	.09605	.23794	.3065	85.	31.9	.546
%RSD	1991.	19.561	206.25	5.2832	.21384	1.0357	3.7305

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	39338.	1003.0	1.7850	79684.	1.2344	-2.3904	-3.385
Stddev	87.	2.8	.0829	106.	.1659	1.5334	1.300
%RSD	.22027	.27801	4.6473	.13295	13.441	64.148	38.40

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24949-j-1-a Acquired: 6/4/2013 0:16:10 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.6697	.99420	-.75055	1.8508	1.0266	1.2397	7296.6
Stddev	.4104	.16032	.13104	.2005	.3057	.0781	355.2
%RSD	24.577	16.126	17.459	10.836	29.780	6.3019	4.8680

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	691.71
Stddev	3.45
%RSD	.49921

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6508.4	5326.2	55345.	10165.
Stddev	20.2	12.1	137.	24.
%RSD	.31033	.22684	.24789	.23558

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	86.459%	94.230%	97.217%	99.055%
Range				

Sample Name: 240-24949-i-1-a Acquired: 6/4/2013 0:20:13 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.09027	-2.1693	7.8961	485.39	117.43	-.57867	379740.
Stddev	.30865	7.9102	.9625	.96	.22	.05689	5415.
%RSD	341.91	364.65	12.190	.19824	.18633	9.8310	1.4259

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0345	.59518	.04522	5.0768	39771.	3091.2	-12.536
Stddev	.1217	.18251	.06871	.2934	127.	25.9	2.843
%RSD	352.6	30.665	151.96	5.7795	.31839	.83836	22.681

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	39490.	996.24	1.8396	79700.	1.3173	-3.4661	-2.756
Stddev	88.	1.64	.0882	109.	.2570	.5155	1.764
%RSD	.22388	.16427	4.7922	.13738	19.506	14.872	63.99

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24949-i-1-a Acquired: 6/4/2013 0:20:13 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.54992	.94948	-1.3834	2.0362	1.4782	2.0302	9294.6
Stddev	.89511	.14336	.1352	.1787	.4397	.0548	234.9
%RSD	162.77	15.099	9.7714	8.7781	29.744	2.6988	2.5277

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	681.97
Stddev	.98
%RSD	.14402

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6428.2	5285.0	55028.	10165.
Stddev	27.6	14.1	103.	11.
%RSD	.42919	.26593	.18723	.10500

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	85.394%	93.501%	96.660%	99.058%
Range				

Sample Name: 240-24949-j-2-a Acquired: 6/4/2013 0:24:14 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.0655	120.88	1.3574	384.53	146.05	-.31118	137740.
Stddev	.2951	4.41	1.0351	.65	.10	.04398	671.
%RSD	27.698	3.6504	76.259	.16843	.06804	14.134	.48679

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0999	2.9243	.47691	7.5880	1320.2	6332.3	2.2814
Stddev	.0546	.0732	.37082	.1893	159.1	14.2	.2124
%RSD	54.69	2.5037	77.754	2.4942	12.049	.22501	9.3112

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	57791.	4443.3	8.0766	83221.	3.9392	-1.7591	-1.384
Stddev	318.	23.3	.1106	77.	.2588	.8323	1.546
%RSD	.55085	.52454	1.3688	.09302	6.5706	47.317	111.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24949-j-2-a Acquired: 6/4/2013 0:24:14 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.1971	.52539	.39834	2.1296	1.5071	4.0054	8499.9
Stddev	1.9611	.63084	.11332	.2863	1.0485	.1036	12.3
%RSD	89.258	120.07	28.449	13.444	69.573	2.5857	.14466

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	536.04
Stddev	4.71
%RSD	.87939

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6716.8	5471.4	55989.	10118.
Stddev	17.5	10.5	52.	65.
%RSD	.25995	.19125	.09250	.63777

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	89.227%	96.799%	98.349%	98.598%
Range				

Sample Name: 240-24949-i-2-a Acquired: 6/4/2013 0:28:26 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.36239	26.332	1.8983	385.56	141.32	-.27152	141750.
Stddev	.46209	7.976	.4888	.53	.31	.03759	682.
%RSD	127.51	30.291	25.748	.13698	.21870	13.845	.48100

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0330	2.8052	.24455	7.0191	1053.0	6332.1	.77377
Stddev	.0794	.1363	.14852	.3593	2.4	64.4	.79333
%RSD	241.0	4.8594	60.731	5.1195	.22425	1.0177	102.53

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	59880.	4424.7	7.9881	84481.	3.9014	-1.5967	-1.687
Stddev	90.	4.8	.1428	68.	.3386	.7974	.744
%RSD	.15027	.10783	1.7880	.08068	8.6788	49.941	44.09

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24949-i-2-a Acquired: 6/4/2013 0:28:26 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.55748	.79030	-.89213	2.4526	.31980	3.0160	8280.7
Stddev	.66571	.12031	.06313	.4776	1.9379	.0989	6.8
%RSD	119.41	15.223	7.0760	19.474	605.98	3.2787	.08265

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	547.73
Stddev	4.62
%RSD	.84387

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6691.6	5445.4	55962.	10127.
Stddev	7.0	7.4	133.	55.
%RSD	.10458	.13526	.23789	.54513

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	88.893%	96.339%	98.300%	98.688%
Range				

Sample Name: 240-24949-j-3-a Acquired: 6/4/2013 0:32:37 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.07866	925.47	4.5798	569.03	11.638	-.13710	22682.
Stddev	.36860	15.49	.9331	1.02	.077	.03411	12.
%RSD	468.58	1.6740	20.374	.17985	.66434	24.882	.05258

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0695	.25994	-.04281	7.3808	499.75	10018.	-1.2992
Stddev	.0467	.08415	.14498	.1891	2.31	45.	.7363
%RSD	67.29	32.372	338.63	2.5620	.46187	.45211	56.676

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1291.3	23.767	88.143	109150.	.92534	-1.2869	.0329
Stddev	7.7	.099	.199	256.	.06615	.9957	2.240
%RSD	.59914	.41655	.22524	.23462	7.1487	77.371	6810.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24949-j-3-a Acquired: 6/4/2013 0:32:37 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.7325	.39907	7.5336	.47968	3.1989	2.5595	9941.1
Stddev	2.2378	.31021	.1537	.61082	1.4192	.0896	8.9
%RSD	129.17	77.733	2.0398	127.34	44.367	3.4989	.09000

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	89.770
Stddev	1.190
%RSD	1.3256

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6987.3	5628.4	57427.	10349.
Stddev	10.2	5.4	80.	41.
%RSD	.14617	.09675	.13947	.39248

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.821%	99.576%	100.87%	100.84%
Range				

Sample Name: 240-24949-i-3-a Acquired: 6/4/2013 0:36:33 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.13738	421.38	5.6216	586.83	10.878	-.17850	23666.
Stddev	.29273	9.19	1.3120	1.25	.112	.02499	55.
%RSD	213.09	2.1798	23.339	.21340	1.0251	13.998	.23332

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1164	.20315	-.23244	7.8922	206.96	10634.	-.56357
Stddev	.1136	.21767	.03144	.4461	4.23	11.	.86989
%RSD	97.58	107.15	13.524	5.6526	2.0433	.10100	154.35

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1037.4	11.262	90.552	113140.	1.1629	-1.1225	-.3713
Stddev	54.0	.079	.042	163.	.1929	.9231	.5408
%RSD	5.2055	.69733	.04683	.14391	16.585	82.235	145.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24949-i-3-a Acquired: 6/4/2013 0:36:33 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.6347	.33081	3.0798	.34549	2.1444	.61198	10110.
Stddev	1.3592	.33611	.0632	.48139	2.2869	.08000	13.
%RSD	83.148	101.60	2.0515	139.34	106.65	13.072	.12969

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	90.805
Stddev	2.420
%RSD	2.6656

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6999.3	5644.3	57930.	10392.
Stddev	39.4	32.3	192.	68.
%RSD	.56271	.57284	.33120	.65355

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.980%	99.858%	101.76%	101.26%
Range				

Sample Name: 240-24955-a-1-a Acquired: 6/4/2013 0:40:30 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.30320	17.767	.65536	141.64	10.701	-.19924	51590.	-.1337
Stddev	.09577	7.948	.99181	1.31	.090	.02483	181.	.1875
%RSD	31.586	44.736	151.34	.92581	.83841	12.461	.35087	140.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.30524	-.24472	8.1190	61.069	2515.2	-2.3257	11004.	8.8853
Stddev	.16027	.19152	.9206	.695	12.0	.1677	17.	.0298
%RSD	52.506	78.260	11.339	1.1386	.47764	7.2103	.15010	.33563

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.0435	24147.	-.03110	-1.3914	-.3864	1.1153	.60145	-.46278
Stddev	.2168	53.	.17464	.6827	2.676	2.0065	.22519	.01739
%RSD	7.1245	.21916	561.57	49.066	692.6	179.91	37.441	3.7571

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24955-a-1-a Acquired: 6/4/2013 0:40:30 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.1512	2.4873	5.3178	3222.3	275.52
Stddev	.4629	1.5351	.1394	7.8	1.31
%RSD	40.212	61.716	2.6218	.24346	.47611

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7234.4	5676.5	58499.	10165.
Stddev	50.2	31.3	95.	137.
%RSD	.69400	.55221	.16209	1.3502

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.103%	100.43%	102.76%	99.058%
Range				

Sample Name: 240-25012-e-1-a Acquired: 6/4/2013 0:44:28 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.10157	340.56	46.433	5492.0	477.18	-.13896	88716.
Stddev	.17775	13.08	1.691	6.1	.25	.06119	152.
%RSD	175.01	3.8418	3.6423	.11082	.05333	44.030	.17092

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1905	44.460	1.9771	8.0660	4479.5	129100.	1938.8
Stddev	.0575	.405	.0864	.2532	7.5	86.	4.5
%RSD	30.17	.91041	4.3690	3.1388	.16651	.06626	.23328

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	175800.	117.17	25.396	265200.	66.288	-.41104	-.7255
Stddev	297.	.21	.072	639.	.309	.77558	.7560
%RSD	.16877	.17603	.28318	.24082	.46630	188.69	104.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-25012-e-1-a Acquired: 6/4/2013 0:44:28 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.4816	1.3174	16.237	.50648	14.575	26.607	9617.9
Stddev	1.3422	.2181	.161	.46054	1.082	.216	48.7
%RSD	20.708	16.552	.99318	90.929	7.4230	.81011	.50604

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1954.3
Stddev	5.2
%RSD	.26679

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6232.5	5234.7	53310.	9798.0
Stddev	17.5	11.0	468.	41.1
%RSD	.28051	.20928	.87766	.41965

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	82.794%	92.610%	93.643%	95.477%
Range				

Sample Name: mb 240-87581/1-a Acquired: 6/4/2013 0:48:27 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.21585	-16.497	-.04567	1.4542	.12398	-.08988	-12.293
Stddev	.33908	8.944	.59923	.5532	.13537	.03784	4.062
%RSD	157.09	54.214	1312.0	38.040	109.19	42.106	33.041

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1935	.06967	-.72857	F 7.9403	2.0561	62.624	-1.5628
Stddev	.0504	.20146	.07316	.8635	.2365	29.974	.6738
%RSD	26.05	289.18	10.042	10.874	11.504	47.863	43.114

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				5.0000			
Low Limit				-1000.0			

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49.017	-.58521	-.32618	160.19	-.48411	.20298	-.7026
Stddev	5.711	.01218	.19907	6.31	.20176	.51448	.4459
%RSD	11.652	2.0808	61.030	3.9363	41.676	253.47	63.46

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: mb 240-87581/1-a Acquired: 6/4/2013 0:48:27 Type: QC
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-0.00825	.19025	-1.0458	.03139	-.05240	1.6248	31.125
Stddev	2.3558	.36934	.1547	.39778	.94961	.1072	3.018
%RSD	28560.	194.13	14.796	1267.3	1812.4	6.5945	9.6950

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	-2.1170
Stddev	1.0249
%RSD	48.413

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7810.4	5895.3	60128.	10193.
Stddev	54.1	50.9	135.	14.
%RSD	.69240	.86330	.22427	.13489

Sample Name: CCV Acquired: 6/4/2013 0:52:29 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	982.77	24724.	491.43	4974.7	1945.9	1901.9	50721.
Stddev	3.33	36.	1.21	2.4	1.2	3.3	68.
%RSD	.33921	.14413	.24554	.04802	.05939	.17539	.13318

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	500.9	1942.6	1853.2	1853.4	24033.	51922.	4703.0
Stddev	.2	.8	3.5	4.9	60.	122.	11.1
%RSD	.0393	.04340	.18944	.26358	.24938	.23521	.23548

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47629.	F 1746.7	1879.2	49252.	1949.2	465.32	492.5
Stddev	81.	8.5	2.1	19.	.5	.88	1.2
%RSD	.16936	.48555	.11268	.03787	.02769	.18878	.2487

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		2000.0					
Range		-10.500%					

Sample Name: CCV Acquired: 6/4/2013 0:52:29 Type: QC
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	472.42	5083.0	4565.2	977.67	2006.0	1992.4	5387.3
Stddev	1.20	3.4	22.4	2.44	2.5	2.8	48.9
%RSD	.25453	.06597	.49029	.25003	.12693	.14049	.90786

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	5111.6
Stddev	13.9
%RSD	.27167

Check ?	Chk Pass
Value	
Range	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6715.7	5560.8	56714.	10054.
Stddev	3.2	5.7	55.	55.
%RSD	.04718	.10205	.09753	.54886

Sample Name: CCB Acquired: 6/4/2013 0:56:25 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.10733	-.65989	-.22571	5.1123	.43014	.28421	-3.1840
Stddev	.10883	24.775	.51363	1.5056	.37704	.32730	10.502
%RSD	101.40	3754.5	227.57	29.452	87.655	115.16	329.83

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0259	.26149	-.72938	F 8.6539	4.5720	-.22161	-2.0159
Stddev	.0280	.22264	.16243	.1972	4.3554	2.1836	1.2509
%RSD	108.0	85.144	22.270	2.2784	95.263	985.32	62.054

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				5.0000			
Low Limit				-5.0000			

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	22.882	-.53168	1.6000	55.699	-.33353	-.16067	.1475
Stddev	17.401	.01637	.4557	7.425	.23433	.68586	2.341
%RSD	76.046	3.0780	28.481	13.331	70.256	426.87	1587.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: CCB Acquired: 6/4/2013 0:56:25 Type: QC
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.5758	1.8632	.37966	1.1464	.91622	-.15153	12.365
Stddev	1.7250	.9549	.10039	.6928	2.2313	.38586	3.989
%RSD	66.971	51.251	26.441	60.438	243.53	254.64	32.256

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	.75210
Stddev	3.5631
%RSD	473.75

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7782.6	5859.4	60212.	10144.
Stddev	16.6	9.5	80.	147.
%RSD	.21325	.16278	.13303	1.4501

Sample Name: lcs 240-87581/2-a Acquired: 6/4/2013 1:00:32 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50.358	1930.4	1981.9	1021.5	1951.2	46.557	50408.	49.75
Stddev	.209	12.6	1.1	3.0	3.7	.082	41.	.13
%RSD	.41525	.65130	.05579	.28892	.18893	.17522	.08053	.2696

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	485.03	186.07	242.27	966.52	51861.	911.52	47544.	453.68
Stddev	.84	.40	.69	.67	96.	1.38	48.	.35
%RSD	.17339	.21294	.28475	.06891	.18449	.15154	.10197	.07623

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	947.91	49496.	489.46	471.41	499.9	1932.7	1985.9	922.21
Stddev	.83	45.	.80	1.44	3.0	2.4	1.4	.86
%RSD	.08717	.09016	.16317	.30514	.6014	.12543	.06813	.09370

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: lcs 240-87581/2-a Acquired: 6/4/2013 1:00:32
 Method: Standard Method + IEC Checks(v169) Mode: CONC
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Type: QC
 Corr. Factor: 1.000000

Elem	TI1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1957.4	503.29	494.47	1068.4	991.72
Stddev	4.2	1.96	2.01	3.8	9.18
%RSD	.21260	.38905	.40682	.35187	.92561

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6870.7	5570.9	56883.	10146.
Stddev	24.2	16.7	78.	34.
%RSD	.35248	.29900	.13786	.33336

Sample Name: 240-24850-n-28-a Acquired: 6/4/2013 1:04:10 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.8293	64.966	.74435	66.101	147.14	.03823	48567.	.1513
Stddev	.2509	11.076	.70791	.265	.84	.27915	167.	.1685
%RSD	8.8675	17.049	95.104	.40083	.56898	730.27	.34395	111.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.3931	45.828	13.392	376.65	1970.8	8.3147	16708.	450.06
Stddev	.1336	.175	.566	3.46	18.2	1.4612	46.	.35
%RSD	9.5940	.38174	4.2272	.91761	.92559	17.574	.27578	.07748

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.2348	35091.	16.564	-.43587	-.0822	1.7565	1.3512	3.9393
Stddev	.1986	65.	.499	.87354	.5267	1.7452	.3217	.0761
%RSD	16.085	.18513	3.0139	200.41	640.8	99.357	23.809	1.9330

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24850-n-28-a Acquired: 6/4/2013 1:04:10 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.1952	3.3930	2.8657	6317.0	96.357
Stddev	.4537	.5439	.1258	22.4	.555
%RSD	20.665	16.030	4.3884	.35417	.57611

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7173.8	5702.6	58484.	9923.7
Stddev	4.1	2.6	148.	120.8
%RSD	.05737	.04539	.25297	1.2171

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.298%	100.89%	102.73%	96.702%
Range				

Sample Name: SD240-24850-n-28-a@5 Acquired: 6/4/2013 1:08:07 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.59285	4.8408	.22019	12.187	32.204	-.11052	10299.	-.0098
Stddev	.27545	13.636	.74770	.504	.035	.03204	9.	.1339
%RSD	46.462	281.69	339.57	4.1329	.10926	28.987	.08461	1373.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.37206	9.2335	9.0414	81.486	418.17	.01576	3581.8	96.245
Stddev	.10044	.1161	.9078	.691	9.04	1.0780	5.2	.318
%RSD	26.996	1.2573	10.041	.84774	2.1628	6839.1	.14394	.33075

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.32666	7386.0	2.9108	-.22556	-.4088	3.5621	.78905	.18474
Stddev	.36709	8.6	.4613	.59095	.2002	.4438	.18101	.05550
%RSD	112.38	.11620	15.849	261.99	48.97	12.460	22.940	30.043

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: SD240-24850-n-28-a@5 Acquired: 6/4/2013 1:08:07 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.88374	1.6928	1.3795	1310.6	17.813
Stddev	.54754	.4929	.1600	12.2	1.325
%RSD	61.957	29.115	11.595	.92766	7.4404

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7604.1	5823.1	60093.	10426.
Stddev	14.7	15.4	317.	30.
%RSD	.19334	.26405	.52744	.28844

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	101.01%	103.02%	105.56%	101.60%
Range				

Sample Name: 240-24850-n-28-b.ms Acquired: 6/4/2013 1:12:06 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	53.551	2044.6	2031.3	1100.9	2130.5	46.966	100170.
Stddev	.416	14.7	1.1	3.0	8.6	.149	598.
%RSD	.77768	.71884	.05498	.27228	.40421	.31831	.59691

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50.98	498.04	237.27	249.70	1375.1	54683.	937.35
Stddev	.02	.74	2.11	.53	1.9	370.	.65
%RSD	.0301	.14870	.88897	.21045	.13920	.67583	.06908

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	64357.	943.90	958.91	85719.	517.50	470.59	507.5
Stddev	204.	10.71	.64	256.	1.33	1.15	1.7
%RSD	.31642	1.1347	.06668	.29829	.25661	.24421	.3282

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24850-n-28-b.ms Acquired: 6/4/2013 1:12:06 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1969.5	2048.3	939.08	1970.9	514.35	506.71	7638.9
Stddev	6.2	4.6	5.61	6.4	7.22	2.63	36.3
%RSD	.31533	.22395	.59775	.32514	1.4030	.51959	.47492

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1101.7
Stddev	7.0
%RSD	.63426

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6719.8	5549.4	56086.	9763.9
Stddev	12.0	9.9	842.	32.3
%RSD	.17827	.17757	1.5008	.33053

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	89.267%	98.179%	98.518%	95.145%
Range				

Sample Name: 240-24850-n-28-c msd Acquired: 6/4/2013 1:15:44 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	53.413	1981.3	1978.5	1079.5	2063.0	45.372	96005.	49.75
Stddev	.102	14.5	6.9	3.5	3.9	.175	616.	.28
%RSD	.19066	.72971	.34942	.32213	.18717	.38554	.64152	.5569

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	479.77	227.29	243.76	1348.6	53126.	910.96	61988.	930.92
Stddev	.52	.95	.25	5.5	197.	3.18	520.	3.99
%RSD	.10769	.41673	.10204	.41015	.37052	.34947	.83888	.42905

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	931.65	82848.	499.20	456.97	498.2	1924.8	1974.2	910.60
Stddev	2.09	305.	.32	.46	4.4	9.4	4.1	3.46
%RSD	.22453	.36850	.06509	.09966	.8789	.48776	.20911	.38003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: 240-24850-n-28-c msd Acquired: 6/4/2013 1:15:44 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1928.8	492.54	484.32	7392.8	1061.4
Stddev	2.0	.83	2.71	31.0	4.4
%RSD	.10446	.16953	.55864	.41907	.41783

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6750.8	5553.9	57516.	10460.
Stddev	47.6	34.3	276.	168.
%RSD	.70463	.61692	.47995	1.6084

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 Value 89.678% 98.258% 101.03% 101.93%
 Range

Sample Name: 240-24850-e-22-a Acquired: 6/4/2013 1:19:22 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.16226	60.733	2.3530	337.08	65.470	-.17992	45035.	-.0790
Stddev	.36654	6.819	.6563	.63	.146	.03327	90.	.0396
%RSD	225.89	11.227	27.891	.18574	.22233	18.492	.20078	50.11

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.08270	70.767	26.163	124.00	2494.6	-4.7340	11363.	3.0928
Stddev	.25886	.217	.468	.41	25.5	.9148	14.	.0303
%RSD	312.99	.30595	1.7902	.32667	1.0207	19.323	.12461	.98054

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.5572	9812.5	32.074	4.3550	.3227	3.2292	1.1942	5.7689
Stddev	.1323	8.1	.260	.5970	1.432	.2000	.1903	.1039
%RSD	8.4946	.08305	.80922	13.710	443.9	6.1939	15.939	1.8004

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24850-e-22-a Acquired: 6/4/2013 1:19:22 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.1869	4.4354	27.510	5833.2	123.49
Stddev	.4554	1.0832	.028	17.0	.56
%RSD	20.824	24.422	.10109	.29119	.45090

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7364.4	5761.5	59640.	10476.
Stddev	11.6	11.1	208.	25.
%RSD	.15803	.19238	.34804	.24115

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.830%	101.93%	104.76%	102.09%
Range				

Sample Name: 240-24850-e-23-a Acquired: 6/4/2013 1:23:16 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.11222	407.60	.21836	83.548	54.703	-.13252	33655.	-.0667
Stddev	.20205	12.16	1.3181	.167	1.474	.05521	11.	.0237
%RSD	180.05	2.9840	603.62	.19954	2.6947	41.659	.03251	35.48

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.62312	56.332	8.4540	820.49	1787.0	-2.9195	12946.	15.286
Stddev	.15715	.178	.3476	4.96	56.6	1.2979	73.	.077
%RSD	25.220	.31603	4.1118	.60477	3.1692	44.457	.56087	.50591

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.73757	29226.	8.3018	-.19706	.8671	1.1727	.96437	35.061
Stddev	.17839	69.	.1962	.67951	1.076	1.9461	.08194	.083
%RSD	24.186	.23690	2.3632	344.82	124.1	165.95	8.4965	.23809

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24850-e-23-a Acquired: 6/4/2013 1:23:16 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.0614	1.9071	5.4463	7712.1	66.109
Stddev	.5718	1.0770	.1126	23.2	.964
%RSD	53.868	56.470	2.0680	.30057	1.4581

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7298.7	5758.2	59212.	10533.
Stddev	5.9	5.3	196.	78.
%RSD	.08102	.09159	.33110	.73822

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.958%	101.87%	104.01%	102.64%
Range				

Sample Name: 240-24850-e-24-a Acquired: 6/4/2013 1:27:12 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.03585	-3.5118	.91175	103.28	159.53	-.19179	63816.	-.0258
Stddev	.17010	5.0355	.95898	.19	.25	.00902	72.	.0996
%RSD	474.50	143.39	105.18	.18133	.15964	4.7018	.11323	386.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.00141	293.99	16.738	3.0094	3051.4	-5.2851	23021.	-.15977
Stddev	.06096	.48	.355	3.2622	30.5	.3149	61.	.03368
%RSD	4310.4	.16425	2.1229	108.40	.99934	5.9585	.26494	21.080

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.13743	76622.	6.4677	1.2082	-.8675	1.3819	.70060	-1.0088
Stddev	.08043	66.	.3402	.8855	.9893	1.2645	.20180	.0432
%RSD	58.524	.08638	5.2593	73.296	114.0	91.504	28.803	4.2831

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24850-e-24-a Acquired: 6/4/2013 1:27:12 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.87039	.43363	47.462	7426.0	151.56
Stddev	.41581	1.4637	.049	20.3	.58
%RSD	47.773	337.53	.10423	.27344	.38341

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7064.3	5666.1	58454.	10659.
Stddev	2.3	8.1	131.	16.
%RSD	.03263	.14296	.22403	.15473

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	93.844%	100.24%	102.68%	103.86%
Range				

Sample Name: 240-24850-e-25-a Acquired: 6/4/2013 1:31:07 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.25430	5.3207	.21372	114.03	189.93	-.22536	62760.	-.0868
Stddev	.43967	13.308	.91405	.30	.05	.00298	32.	.1181
%RSD	172.90	250.12	427.68	.25960	.02443	1.3239	.05044	136.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.07492	311.25	7.8102	78.936	3616.8	-1.2866	20006.	2.2671
Stddev	.08101	.93	.3489	.413	37.4	1.3330	57.	.0403
%RSD	108.13	.29761	4.4675	.52372	1.0336	103.61	.28444	1.7769

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.00442	76741.	1.0631	-1.4652	-.2122	1.9395	.55151	.04978
Stddev	.01445	108.	.3274	.3387	.5001	2.0248	.40063	.10952
%RSD	327.00	.14134	30.798	23.114	235.6	104.40	72.642	220.02

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24850-e-25-a Acquired: 6/4/2013 1:31:07 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.28858	3.2170	1.9658	7001.0	163.47
Stddev	.35874	1.9458	.0994	15.7	3.15
%RSD	124.31	60.484	5.0564	.22361	1.9260

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7082.8	5669.6	58353.	10300.
Stddev	22.8	18.7	92.	36.
%RSD	.32255	.32914	.15813	.35405

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.089%	100.31%	102.50%	100.36%
Range				

Sample Name: 240-24850-e-26-a Acquired: 6/4/2013 1:35:04 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.43654	36.136	2.1413	100.97	149.07	-.16688	60280.	-.0472
Stddev	.06729	17.596	.5251	.20	.04	.00953	81.	.0145
%RSD	15.414	48.694	24.521	.19739	.02490	5.7114	.13478	30.67

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.06377	182.59	24.408	85.326	3329.0	-1.3256	19815.	94.158
Stddev	.07298	.59	.187	1.658	33.8	.6402	82.	.188
%RSD	114.44	.32481	.76770	1.9425	1.0165	48.299	.41603	.19930

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.10141	65018.	1.0978	3.4566	-.6129	1.3454	.49959	.75240
Stddev	.09618	78.	.1814	.2316	1.329	3.8786	.35624	.13597
%RSD	94.839	.12061	16.523	6.7015	216.8	288.28	71.308	18.071

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24850-e-26-a Acquired: 6/4/2013 1:35:04 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.80959	2.1951	119.93	6875.4	159.98
Stddev	.49688	.9788	.14	16.2	3.62
%RSD	61.375	44.588	.12006	.23548	2.2648

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7063.6	5648.2	57653.	10338.
Stddev	20.5	21.7	110.	72.
%RSD	.29021	.38453	.19048	.69739

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	93.835%	99.926%	101.27%	100.74%
Range				

Sample Name: CCV Acquired: 6/4/2013 1:39:00 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	979.37	24502.	492.54	4948.0	1933.5	1899.1	50594.
Stddev	1.07	90.	1.88	5.5	6.4	9.0	46.
%RSD	.10941	.36733	.38068	.11115	.33325	.47459	.09140

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	498.4	1937.9	1852.1	1854.1	23924.	51499.	4678.6
Stddev	.5	3.3	4.4	3.4	139.	159.	22.5
%RSD	.1010	.17073	.23603	.18229	.58020	.30888	.47991

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47673.	F 1768.4	1873.9	49233.	1943.8	467.20	489.5
Stddev	256.	4.5	.9	5.	4.5	.43	1.3
%RSD	.53771	.25533	.04761	.01043	.22994	.09101	.2755

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		2000.0					
Range		-10.500%					

Sample Name: CCV Acquired: 6/4/2013 1:39:00 Type: QC
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	474.22	5062.6	4585.9	971.90	1990.4	1990.3	5331.1
Stddev	1.52	10.4	25.8	3.63	7.2	4.3	54.7
%RSD	.31983	.20573	.56275	.37336	.36144	.21616	1.0269

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	5064.8
Stddev	20.7
%RSD	.40948

Check ?	Chk Pass
Value	
Range	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6753.7	5585.5	56989.	10114.
Stddev	16.5	7.6	107.	32.
%RSD	.24358	.13675	.18696	.31704

Sample Name: CCB Acquired: 6/4/2013 1:42:55 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.50620	2.6696	.63332	2.1438	.46179	.23604	-3.5337
Stddev	.23578	24.233	.68519	.5310	.06952	.04204	1.2762
%RSD	46.577	907.76	108.19	24.770	15.054	17.811	36.114

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0831	.20315	-.34819	F 8.7890	4.6642	15.133	-2.2347
Stddev	.1027	.08082	.19287	1.0464	1.0061	9.485	.4386
%RSD	123.6	39.786	55.391	11.906	21.571	62.679	19.625

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				5.0000			
Low Limit				-5.0000			

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19.231	-.41254	1.5553	45.975	-.37008	-.12562	.9679
Stddev	8.022	.00345	.0272	9.419	.15630	.38186	.5189
%RSD	41.716	.83698	1.7465	20.486	42.234	303.99	53.61

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: CCB Acquired: 6/4/2013 1:42:55 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.43837	1.8559	.53159	.61585	1.5238	-.32062	4.1877
Stddev	1.8331	.3533	.05429	.13112	.5553	.04104	6.9498
%RSD	418.17	19.037	10.213	21.290	36.441	12.801	165.96

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	-2.0815
Stddev	1.3544
%RSD	65.065

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7845.8	5895.9	61546.	10108.
Stddev	20.3	12.6	300.	12.
%RSD	.25890	.21395	.48705	.12292

Sample Name: 240-24850-e-27-a Acquired: 6/4/2013 1:46:59 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.43256	2.3164	.45586	141.01	192.96	-.11760	73915.	-.0642
Stddev	.08692	16.739	1.4651	.93	.01	.01632	134.	.1382
%RSD	20.094	722.61	321.39	.66288	.00736	13.878	.18149	215.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.57603	88.833	9.8049	33.247	4206.4	28.859	21528.	2.0698
Stddev	.21494	.222	.1569	.605	11.3	.913	36.	.0298
%RSD	37.313	.25022	1.6007	1.8198	.26745	3.1633	.16940	1.4401

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.2119	54934.	3.0551	-.56012	.5243	1.9286	.74612	.20125
Stddev	.2871	110.	.5097	.37116	.2869	.9064	.37430	.11213
%RSD	23.686	.20003	16.683	66.264	54.71	46.996	50.166	55.717

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24850-e-27-a Acquired: 6/4/2013 1:46:59 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.1995	1.8185	4.8688	7255.0	197.88
Stddev	.2456	1.0125	.1748	21.0	1.84
%RSD	20.479	55.680	3.5907	.28915	.92895

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7048.2	5657.5	57746.	10246.
Stddev	45.9	38.0	110.	66.
%RSD	.65159	.67241	.19059	.64701

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	93.630%	100.09%	101.43%	99.847%
Range				

Sample Name: 240-24850-e-29-a Acquired: 6/4/2013 1:50:54 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.12425	59.360	.99568	55.757	77.710	-.17050	37357.	.0916
Stddev	.12246	3.960	.50277	.316	.147	.00962	41.	.0906
%RSD	98.561	6.6708	50.496	.56736	.18969	5.6423	.11031	98.98

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.3956	11.464	12.605	112.99	2063.0	-3.3566	13097.	83.236
Stddev	.1645	.267	.493	1.13	30.1	1.0231	42.	.279
%RSD	11.783	2.3262	3.9113	.99958	1.4583	30.480	.31967	.33518

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.23229	31978.	6.1260	-.02068	-1.582	1.0098	.34447	4.0372
Stddev	.21009	12.	.1253	.38437	.891	1.1035	.49876	.0144
%RSD	90.442	.03745	2.0453	1858.3	56.32	109.28	144.79	.35614

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24850-e-29-a Acquired: 6/4/2013 1:50:54 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.57232	1.7519	4.9328	5327.2	85.442
Stddev	.41436	1.7536	.0223	17.2	2.083
%RSD	72.399	100.10	.45222	.32278	2.4385

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7249.0	5752.5	59292.	10364.
Stddev	29.4	22.3	106.	36.
%RSD	.40601	.38764	.17915	.34915

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.297%	101.77%	104.15%	100.99%
Range				

Sample Name: 240-24850-e-30-a Acquired: 6/4/2013 1:54:50 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.13855	20.062	1.6415	42.820	80.898	-.13644	37022.	-.0924
Stddev	.16940	1.606	.6793	.104	.097	.06591	25.	.0361
%RSD	122.26	8.0033	41.381	.24250	.11995	48.310	.06703	39.07

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.15396	10.786	10.539	32.403	2457.2	-4.9923	11546.	10.332
Stddev	.02571	.119	.393	1.385	12.0	1.1204	19.	.179
%RSD	16.701	1.1016	3.7246	4.2733	.48948	22.442	.16402	1.7325

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.13120	26653.	1.7391	-1.0259	-1.081	-.23245	.32517	.01313
Stddev	.11510	86.	.2268	.5852	.906	2.5514	.30118	.14571
%RSD	87.732	.32144	13.042	57.044	83.85	1097.6	92.623	1109.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24850-e-30-a Acquired: 6/4/2013 1:54:50 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.2643	1.8925	3.6526	4198.6	114.61
Stddev	.3000	.9075	.0228	21.6	1.25
%RSD	23.728	47.953	.62341	.51406	1.0941

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7292.1	5758.3	59270.	10262.
Stddev	17.4	12.3	238.	17.
%RSD	.23885	.21300	.40210	.16131

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.870%	101.87%	104.11%	100.00%
Range				

Sample Name: 240-24850-e-31-a Acquired: 6/4/2013 1:58:48 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.10964	9.8051	.60734	77.025	76.278	-.21162	40595.	-.0448
Stddev	.22452	11.113	2.1443	.126	.282	.04237	135.	.2081
%RSD	204.78	113.34	353.06	.16303	.36995	20.020	.33351	464.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.25968	25.159	8.1548	15.216	2521.5	-3.9896	12388.	1.7953
Stddev	.16747	.130	.3647	1.117	13.6	.6513	14.	.0491
%RSD	64.490	.51813	4.4717	7.3422	.53946	16.325	.11267	2.7359

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.09868	52024.	3.5328	-.93132	-.4501	-.38394	.50170	-.69002
Stddev	.08347	124.	.2908	1.2787	1.426	2.6188	.25300	.12924
%RSD	84.582	.23739	8.2317	137.30	316.7	682.08	50.429	18.730

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24850-e-31-a Acquired: 6/4/2013 1:58:48 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.40456	1.3861	7.8094	5350.5	83.562
Stddev	.37894	2.9159	.0841	34.0	1.846
%RSD	93.665	210.37	1.0769	.63628	2.2091

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7222.6	5741.2	58952.	10333.
Stddev	21.0	12.0	153.	43.
%RSD	.29059	.20846	.25890	.41751

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.946%	101.57%	103.55%	100.69%
Range				

Sample Name: 240-24926-a-1-a Acquired: 6/4/2013 2:02:46 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.01375	30.356	-.25369	34.641	219.75	-.17602	62893.
Stddev	.42697	8.850	.27338	.190	1.50	.06719	393.
%RSD	3105.5	29.156	107.76	.54940	.68051	38.173	.62551

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0550	.23185	2.3554	9.4026	84.709	3356.8	-4.7097
Stddev	.0314	.24284	.1805	.6518	.807	10.8	.1512
%RSD	57.05	104.74	7.6631	6.9320	.95276	.32208	3.2105

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24864.	3.6331	.14720	116650.	1.2521	-1.1428	-.5544
Stddev	225.	.0172	.12566	866.	.1958	.2865	.3771
%RSD	.90500	.47339	85.368	.74220	15.639	25.071	68.02

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24926-a-1-a Acquired: 6/4/2013 2:02:46 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.01491	.18694	.83366	.79875	1.0990	5.9299	6180.0
Stddev	2.0196	.39915	.12580	.77314	.6809	.0485	41.3
%RSD	13543.	213.51	15.090	96.793	61.960	.81775	.66873

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	145.14
Stddev	2.09
%RSD	1.4417

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6871.0	5575.8	57392.	10070.
Stddev	22.1	12.3	503.	75.
%RSD	.32179	.22117	.87600	.74767

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.275%	98.645%	100.81%	98.126%
Range				

Sample Name: 240-24926-a-2-a Acquired: 6/4/2013 2:06:44 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.13346	29.732	.75626	34.359	222.20	-.20615	63576.
Stddev	.04491	13.494	1.2072	.079	.59	.02446	89.
%RSD	33.652	45.386	159.63	.22964	.26603	11.865	.13965

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0692	.23620	2.7404	9.6118	65.075	3354.3	-5.0432
Stddev	.1391	.20842	.2071	.6504	.730	22.0	1.5391
%RSD	200.9	88.236	7.5582	6.7666	1.1222	.65505	30.519

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	25052.	3.2664	.08662	117970.	1.3819	-.83584	-.7996
Stddev	62.	.0398	.03036	208.	.2702	1.4169	.8345
%RSD	.24880	1.2182	35.046	.17631	19.551	169.52	104.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24926-a-2-a Acquired: 6/4/2013 2:06:44 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.66798	.45691	.34739	.75845	2.7882	5.7306	6222.8
Stddev	2.0986	.27607	.03539	.04682	2.3076	.0836	13.9
%RSD	314.18	60.422	10.186	6.1735	82.763	1.4596	.22374

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	149.75
Stddev	1.10
%RSD	.73449

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6874.2	5587.4	56998.	10090.
Stddev	23.8	14.8	69.	19.
%RSD	.34678	.26478	.12161	.18878

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.319%	98.851%	100.12%	98.318%
Range				

Sample Name: 240-24926-a-3-a Acquired: 6/4/2013 2:10:42 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.19639	29.752	.78329	6.8313	124.03	-.19917	64367.	-.0827
Stddev	.28056	16.482	.70959	.2160	.11	.03791	111.	.1860
%RSD	142.86	55.398	90.590	3.1623	.09246	19.032	.17225	224.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.03256	4.7379	10.225	64.801	3676.4	-5.6568	19909.	.23767
Stddev	.10678	.2703	.882	2.196	28.0	.3863	94.	.03197
%RSD	327.94	5.7059	8.6294	3.3884	.76219	6.8296	.47185	13.450

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.63431	72337.	.11506	-.82631	.3227	-1.2239	.61769	.55884
Stddev	.05699	183.	.29810	.30461	2.069	1.2227	.28488	.11948
%RSD	8.9846	.25341	259.08	36.864	641.2	99.898	46.120	21.380

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24926-a-3-a Acquired: 6/4/2013 2:10:42 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.5451	3.2353	8.6074	6022.3	140.75
Stddev	.5258	1.4877	.0862	19.8	1.23
%RSD	34.032	45.985	1.0015	.32913	.87438

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6994.5	5626.4	57471.	10061.
Stddev	6.8	3.8	48.	9.
%RSD	.09768	.06730	.08302	.09227

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.916%	99.540%	100.95%	98.040%
Range				

Sample Name: 240-24926-a-4-a Acquired: 6/4/2013 2:14:39 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.3898	1298.8	1.7137	48.107	260.53	-.11861	53073.
Stddev	.0839	9.0	.4925	.202	.31	.03341	125.
%RSD	1.5571	.69231	28.737	.42077	.11828	28.168	.23510

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0692	.84325	9.8403	12.495	1521.7	4350.0	-1.0187
Stddev	.0678	.04208	.0701	.790	4.4	23.2	.3700
%RSD	97.87	4.9907	.71186	6.3223	.28629	.53288	36.319

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17733.	29.795	-.26477	176160.	2.2383	-.09387	.0278
Stddev	32.	.039	.05413	2175.	.1479	.27405	1.394
%RSD	.17786	.12941	20.446	1.2347	6.6095	291.95	5021.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24926-a-4-a Acquired: 6/4/2013 2:14:39 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.3591	.66412	71.140	1.0458	2.5748	11.929	9907.6
Stddev	2.4979	.08838	.131	.3776	2.4187	.052	41.8
%RSD	183.78	13.308	.18368	36.111	93.937	.43991	.42231

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	217.20
Stddev	2.95
%RSD	1.3596

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6803.0	5589.1	56872.	10208.
Stddev	18.7	16.1	183.	74.
%RSD	.27496	.28785	.32092	.72542

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.373%	98.880%	99.900%	99.476%
Range				

Sample Name: 240-24926-a-5-a Acquired: 6/4/2013 2:18:45 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	71.331	116.52	1.0541	38.665	838.12	-.38492
Stddev	.286	4.56	.3559	.165	3.96	.06258
%RSD	.40049	3.9138	33.757	.42623	.47306	16.257

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	222960.	1.196	.47225	16.475	5.3697	208.87
Stddev	3505.	.115	.18254	.304	.6128	2.94
%RSD	1.5719	9.651	38.654	1.8458	11.412	1.4072

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12880.	-9.4383	32574.	78.969	-.05522	F 1147600.
Stddev	122.	1.4514	266.	.229	.22698	14155.
%RSD	.94556	15.377	.81589	.29034	411.08	1.2335

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500000.
Low Limit						-500000.

Sample Name: 240-24926-a-5-a Acquired: 6/4/2013 2:18:45 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.2085	-1.1526	-4.473	-2.5190	.45973	8.1985
Stddev	.1520	.8948	.045	2.3487	.52282	.2211
%RSD	4.7384	77.637	1.018	93.240	113.72	2.6965

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ti1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.0912	.49829	3.0390	6572.4	1652.3
Stddev	.6242	1.5313	.0816	18.1	18.5
%RSD	57.198	307.30	2.6862	.27536	1.1179

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5601.5	4937.3	49225.	9909.4
Stddev	2.9	5.3	119.	106.0
%RSD	.05188	.10813	.24158	1.0698

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	74.412%	87.349%	86.467%	96.563%
Range				

Sample Name: 240-24926-a-6-a Acquired: 6/4/2013 2:23:00 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	52.064	-2.4790	.40840	48.564	465.12	-.32200
Stddev	.250	15.366	1.1319	.352	.68	.02777
%RSD	.48023	619.83	277.17	.72429	.14643	8.6247

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	168310.	-.0841	.10626	105.42	6.3409	55.241
Stddev	496.	.0520	.11386	.64	.3763	1.126
%RSD	.29442	61.76	107.15	.60727	5.9342	2.0383

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9285.6	-9.8752	40723.	15.300	1.4409	F 553540.
Stddev	28.6	.8255	123.	.041	.0604	5537.
%RSD	.30824	8.3592	.30117	.26470	4.1900	1.0004

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500000.
Low Limit						-500000.

Sample Name: 240-24926-a-6-a Acquired: 6/4/2013 2:23:00 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.6366	-2.0429	-2.032	-.74388	-.14166	-1.2590
Stddev	.3635	.2216	.524	2.7991	.45092	.1177
%RSD	9.9947	10.847	25.78	376.29	318.30	9.3449

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.60285	1.7936	4.3715	5910.2	897.13
Stddev	.84715	2.6345	.2251	23.1	6.73
%RSD	140.52	146.89	5.1485	.39159	.75072

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6172.5	5261.0	53127.	10270.
Stddev	12.5	9.2	157.	82.
%RSD	.20258	.17491	.29481	.79700

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	81.997%	93.076%	93.321%	100.07%
Range				

Sample Name: CCV Acquired: 6/4/2013 2:27:17 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	981.66	24527.	492.44	4957.8	1946.7	1902.6	50934.
Stddev	1.23	69.	1.47	4.6	1.8	1.0	53.
%RSD	.12495	.28249	.29840	.09357	.09379	.05210	.10332

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	498.7	1936.0	1843.6	1851.6	23876.	52037.	4679.9
Stddev	.5	1.8	2.3	3.5	36.	96.	4.1
%RSD	.1021	.09200	.12572	.18716	.15172	.18482	.08860

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47523.	F 1749.5	1869.7	48975.	1943.2	464.76	491.4
Stddev	137.	20.2	2.4	70.	2.3	.75	2.2
%RSD	.28905	1.1560	.12820	.14292	.11722	.16197	.4444

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		2000.0					
Range		-10.500%					

Sample Name: CCV Acquired: 6/4/2013 2:27:17 Type: QC
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	469.06	5066.4	4576.7	972.67	2003.3	1987.2	5373.5
Stddev	2.64	6.5	14.8	3.38	2.2	6.5	41.2
%RSD	.56366	.12757	.32256	.34700	.10880	.32876	.76705

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	5136.9
Stddev	6.5
%RSD	.12695

Check ?	Chk Pass
Value	
Range	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6804.8	5637.6	57463.	10119.
Stddev	30.8	25.2	93.	39.
%RSD	.45287	.44637	.16225	.38504

Sample Name: CCB Acquired: 6/4/2013 2:31:09 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.42200	18.091	.56372	1.1175	1.1275	.82655	36.384
Stddev	.04578	14.371	1.6101	.5442	1.1185	.97964	48.143
%RSD	10.847	79.434	285.62	48.703	99.198	118.52	132.32

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0513	.30816	-.45907	F 9.0413	12.654	95.013	.66023
Stddev	.0575	.14369	.19153	.4960	12.570	26.063	3.9190
%RSD	112.2	46.629	41.722	5.4858	99.335	27.431	593.58

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				5.0000			
Low Limit				-5.0000			

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	35.949	-.43468	1.5502	248.52	-.35439	-.28026	-.4717
Stddev	26.094	.03443	.1100	115.30	.14426	.88370	1.136
%RSD	72.585	7.9204	7.0934	46.395	40.706	315.31	240.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: CCB Acquired: 6/4/2013 2:31:09 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.0142	1.6695	.53022	.67513	1.7246	-.36036	14.278
Stddev	2.2590	.4171	.01478	.15266	1.0502	.04293	6.770
%RSD	222.73	24.983	2.7867	22.612	60.893	11.914	47.414

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	.90148
Stddev	2.7261
%RSD	302.40

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7892.6	5942.1	61690.	10419.
Stddev	25.4	14.8	56.	53.
%RSD	.32189	.24869	.09116	.50478

Sample Name: 240-24926-a-7-a Acquired: 6/4/2013 2:35:14 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.2090	.75485	.61203	76.969	121.34	-.10274	54221.	-.0546
Stddev	.6144	15.180	.79520	.408	.13	.07338	23.	.1602
%RSD	27.812	2010.9	129.93	.52957	.10430	71.418	.04216	293.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.16122	40.251	9.2046	69.146	3968.1	7.4684	13189.	.53931
Stddev	.02708	.641	.5801	.912	11.9	.5245	44.	.61449
%RSD	16.797	1.5936	6.3026	1.3196	.29906	7.0229	.33028	113.94

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.7687	86566.	1.1820	-.28599	-.2513	.62967	.85305	.60405
Stddev	.2410	78.	.2394	.64315	.8002	1.3986	.17376	1.6522
%RSD	13.623	.08958	20.257	224.88	318.5	222.12	20.369	273.51

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24926-a-7-a Acquired: 6/4/2013 2:35:14 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.58156	1.7630	3.8632	6830.5	174.57
Stddev	1.0795	.5440	.1022	24.2	3.78
%RSD	185.62	30.857	2.6463	.35489	2.1635

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7081.2	5699.8	58534.	10424.
Stddev	54.7	31.2	74.	46.
%RSD	.77251	.54772	.12678	.44290

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.068%	100.84%	102.82%	101.58%
Range				

Sample Name: 240-24927-e-2-a Acquired: 6/4/2013 2:39:12 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.07151	2.6277	.15653	79.678	198.95	-.04814	65332.
Stddev	.12864	7.3040	1.1748	.209	.40	.18403	245.
%RSD	179.89	277.96	750.57	.26231	.20259	382.32	.37524

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0685	.19862	2.6893	68.230	14.272	3397.7	-3.7813
Stddev	.1903	.08613	.0515	1.396	2.738	10.2	.6839
%RSD	277.9	43.364	1.9159	2.0454	19.182	.30044	18.085

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24266.	-.50768	-.17908	107680.	7.3021	8.3488	-.0709
Stddev	143.	.01165	.12714	338.	.0413	.4931	.6268
%RSD	.59084	2.2945	70.998	.31381	.56574	5.9066	883.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24927-e-2-a Acquired: 6/4/2013 2:39:12 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.89119	.59006	-.76807	1.1201	.70531	143.72	8540.5
Stddev	1.9768	.21395	.12679	.5162	.30201	.16	28.1
%RSD	221.82	36.258	16.508	46.081	42.819	.11466	.32951

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	208.46
Stddev	1.59
%RSD	.76070

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6931.4	5620.2	57955.	10486.
Stddev	5.6	4.1	373.	28.
%RSD	.08042	.07329	.64342	.27083

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.079%	99.431%	101.80%	102.18%
Range				

Sample Name: 240-24927-e-3-a Acquired: 6/4/2013 2:43:08 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.6009	-10.195	.99520	110.93	367.89	-.25865	102170.
Stddev	.3246	3.671	1.0950	.29	1.50	.05011	641.
%RSD	20.279	36.008	110.02	.26194	.40840	19.373	.62760

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.972	.35745	148.23	8.4219	99.541	5476.5	1.9696
Stddev	.152	.24323	.32	.5363	.443	49.8	1.0094
%RSD	2.538	68.045	.21839	6.3685	.44539	.90940	51.247

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	30095.	1.3135	1.1023	238890.	5.8522	-1.6792	-1.040
Stddev	165.	.0283	.0328	1380.	.2424	.8833	1.384
%RSD	.54815	2.1560	2.9744	.57747	4.1427	52.603	133.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24927-e-3-a Acquired: 6/4/2013 2:43:08 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.26402	.65331	-.74977	.93160	.72411	19.069	7888.3
Stddev	2.0074	.20168	.09244	.23687	.11813	.096	25.4
%RSD	760.33	30.870	12.329	25.426	16.314	.50442	.32203

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	451.81
Stddev	3.47
%RSD	.76716

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6630.7	5496.7	55749.	10348.
Stddev	36.1	26.1	78.	64.
%RSD	.54499	.47571	.13982	.61502

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	88.084%	97.245%	97.926%	100.84%
Range				

Sample Name: 240-24927-e-4-a Acquired: 6/4/2013 2:47:09 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.20417	-2.3132	.24596	79.595	66.429	-.18682	50190.	-.1118
Stddev	.21652	13.311	1.4435	.242	.146	.03623	50.	.0969
%RSD	106.05	575.41	586.88	.30400	.22032	19.393	.09998	86.68

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.27545	62.869	7.2539	15.157	2823.9	-6.3094	16430.	18.101
Stddev	.16014	.298	.2523	.715	14.7	1.1509	42.	.048
%RSD	58.137	.47412	3.4775	4.7146	.52108	18.241	.25681	.26437

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.14020	62754.	.62755	-1.1999	.0295	-1.7913	.58217	-.78202
Stddev	.16432	45.	.10427	.6023	1.200	1.8084	.28874	.04006
%RSD	117.20	.07143	16.615	50.195	4073.	100.96	49.598	5.1221

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24927-e-4-a Acquired: 6/4/2013 2:47:09 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.34963	2.1847	5.5705	5484.5	138.17
Stddev	.49242	.4270	.0627	8.1	1.95
%RSD	140.84	19.543	1.1257	.14754	1.4117

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7098.0	5680.7	58363.	10600.
Stddev	12.6	6.2	223.	39.
%RSD	.17708	.10864	.38206	.37046

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.291%	100.50%	102.52%	103.29%
Range				

Sample Name: mb 240-87580/1-a Acquired: 6/4/2013 2:51:07 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.20958	-1.3985	.61218	-4.2980	.75476	-.12578	157.14
Stddev	.15778	8.5536	1.3928	.4409	.04231	.01292	4.73
%RSD	75.284	611.65	227.52	10.259	5.6054	10.274	3.0108

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2311	.02042	-.92291	F 9.8461	14.865	33.284	-3.5301
Stddev	.0966	.18705	.17035	.1595	.563	6.448	.6572
%RSD	41.81	916.16	18.458	1.6195	3.7865	19.373	18.618

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				5.0000			
Low Limit				-1000.0			

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	60.710	-.36658	-.29474	192.99	-.61781	.79212	-.6234
Stddev	6.267	.04230	.12273	7.15	.19888	.88180	.6657
%RSD	10.323	11.540	41.639	3.7049	32.191	111.32	106.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: mb 240-87580/1-a Acquired: 6/4/2013 2:51:07 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.0172	.36589	-1.0143	.21509	.32867	5.5586	12.516
Stddev	1.9391	.37634	.1050	1.1915	1.4061	.0767	5.259
%RSD	190.62	102.86	10.352	553.95	427.80	1.3793	42.019

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	-.24762
Stddev	4.4353
%RSD	1791.2

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7888.1	5987.2	61466.	10394.
Stddev	12.4	10.8	82.	25.
%RSD	.15739	.18083	.13420	.24213

Sample Name: lcs 240-87580/2-a Acquired: 6/4/2013 2:55:09 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47.697	1827.0	1879.2	962.59	1859.7	44.320	48488.	46.99
Stddev	.381	12.8	8.4	3.33	2.5	.150	120.	.14
%RSD	.79779	.70206	.44706	.34605	.13388	.33915	.24755	.2984

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	462.34	175.76	232.15	921.89	49488.	860.81	45178.	426.34
Stddev	1.47	.45	.23	6.14	123.	2.86	81.	1.24
%RSD	.31847	.25705	.09697	.66585	.24914	.33262	.17860	.29126

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	890.17	47002.	467.55	447.59	473.4	1806.5	1893.4	875.28
Stddev	1.93	30.	1.11	1.36	.9	4.8	7.6	3.95
%RSD	.21669	.06378	.23809	.30290	.1973	.26335	.40376	.45125

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: lcs 240-87580/2-a Acquired: 6/4/2013 2:55:09
 Method: Standard Method + IEC Checks(v169) Mode: CONC
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Type: QC
 Corr. Factor: 1.000000

Elem	TI1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1853.0	480.32	481.41	1025.0	953.77
Stddev	4.9	1.45	1.75	3.2	3.69
%RSD	.26642	.30213	.36304	.31651	.38675

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6951.5	5643.6	58176.	10315.
Stddev	11.8	8.9	9.	15.
%RSD	.16979	.15775	.01502	.14218

Sample Name: 240-24850-m-14-a Acquired: 6/4/2013 2:58:49 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.16878	13.132	2.5090	92.263	28.897	-.18678	34967.	-.0545
Stddev	.18925	2.669	1.6353	.683	.157	.00071	102.	.1513
%RSD	112.12	20.322	65.180	.74051	.54316	.37993	.29297	277.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.30912	7.7271	8.8159	105.42	1553.9	-6.6630	13012.	6.2488
Stddev	.33038	.1381	.5633	.89	13.4	.3367	26.	.0272
%RSD	106.88	1.7876	6.3892	.84704	.86487	5.0539	.20272	.43488

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.3827	55389.	2.9529	-.52354	.2245	1.9457	1.9301	-.39443
Stddev	.8392	159.	.4393	.85824	.8589	2.4555	1.4333	.10208
%RSD	60.695	.28761	14.876	163.93	382.6	126.20	74.261	25.882

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24850-m-14-a Acquired: 6/4/2013 2:58:49 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	3.1478	1.9415	5.2085	4466.9	66.580
Stddev	.9334	.3529	.4030	20.0	1.273
%RSD	29.652	18.174	7.7374	.44765	1.9117

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7248.0	5763.9	58933.	10279.
Stddev	5.8	5.1	88.	86.
%RSD	.08009	.08865	.14986	.83858

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.284%	101.97%	103.52%	100.17%
Range				

Sample Name: SD240-24850-m-14-a@5 Acquired: 6/4/2013 3:02:45 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.07474	.21468	.83152	15.041	6.2863	-.15466	7466.0	-.0922
Stddev	.25442	19.954	1.0602	.163	.0192	.00068	8.4	.0936
%RSD	340.40	9294.7	127.50	1.0816	.30578	.44144	.11314	101.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.04442	.96919	10.234	25.967	345.61	-3.0033	2791.1	.81708
Stddev	.11357	.05847	.821	.423	4.34	.5997	12.1	.01895
%RSD	255.70	6.0331	8.0236	1.6300	1.2572	19.968	.43208	2.3189

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.00112	11775.	.94355	.67494	.6492	.96440	.59323	-.73344
Stddev	.18339	28.	.24413	.45513	1.092	.12023	.06937	.05076
%RSD	16342.	.23741	25.874	67.432	168.3	12.467	11.694	6.9215

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: SD240-24850-m-14-a@5 Acquired: 6/4/2013 3:02:45 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.35259	1.2650	1.8502	937.48	12.962
Stddev	1.0257	.3065	.0356	6.71	3.425
%RSD	290.89	24.229	1.9262	.71552	26.422

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7621.2	5884.2	60564.	10171.
Stddev	10.2	6.6	63.	55.
%RSD	.13400	.11177	.10381	.53684

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	101.24%	104.10%	106.39%	99.117%
Range				

Sample Name: 240-24850-m-14-b ms Acquired: 6/4/2013 3:06:43 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49.870	1904.3	1969.5	1098.2	1944.8	45.938	84303.
Stddev	.142	14.5	1.1	2.2	1.1	.093	153.
%RSD	.28532	.75919	.05651	.19966	.05590	.20207	.18113

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48.82	479.54	189.48	238.58	1060.4	52809.	893.23
Stddev	.17	.81	.72	.86	5.3	137.	1.37
%RSD	.3526	.16824	.38247	.35873	.50100	.25945	.15324

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	59653.	449.72	927.55	103570.	487.26	458.09	491.4
Stddev	56.	.19	.22	81.	1.22	1.51	.4
%RSD	.09413	.04289	.02339	.07850	.25076	.32921	.0904

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24850-m-14-b.ms Acquired: 6/4/2013 3:06:43 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1877.5	1981.9	907.69	1911.2	494.80	493.32	5559.3
Stddev	7.7	5.0	.40	.4	1.54	1.94	13.8
%RSD	.40988	.25298	.04445	.02134	.31130	.39237	.24783

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1040.4
Stddev	6.9
%RSD	.66051

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6753.2	5565.1	56959.	10197.
Stddev	4.1	6.8	49.	72.
%RSD	.06050	.12285	.08610	.70168

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	89.710%	98.457%	100.05%	99.361%
Range				

Sample Name: 240-24850-m-14-c msd Acquired: 6/4/2013 3:10:21 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49.732	1873.7	1955.6	1089.7	1930.7	45.643	83695.
Stddev	.377	14.1	2.6	.8	2.9	.136	164.
%RSD	.75894	.75235	.13170	.07590	.15196	.29794	.19621

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48.67	475.73	188.91	237.52	1040.5	52574.	887.96
Stddev	.03	.61	.44	1.26	4.4	106.	1.38
%RSD	.0588	.12917	.23509	.52850	.42230	.20081	.15574

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	59240.	447.43	921.89	102760.	483.27	455.52	489.6
Stddev	207.	1.47	1.84	166.	.28	.54	2.6
%RSD	.34934	.32824	.20001	.16116	.05754	.11847	.5371

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24850-m-14-c msd Acquired: 6/4/2013 3:10:21 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1866.3	1966.4	905.27	1906.0	490.42	489.60	5523.9
Stddev	7.9	5.5	1.69	6.8	4.10	.50	17.5
%RSD	.42214	.28115	.18658	.35836	.83578	.10211	.31766

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1033.5
Stddev	3.8
%RSD	.36304

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6755.7	5564.0	56697.	10151.
Stddev	10.3	7.9	124.	23.
%RSD	.15174	.14117	.21816	.22342

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	89.744%	98.436%	99.592%	98.915%
Range				

Sample Name: CCV Acquired: 6/4/2013 3:14:01 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	975.56	24221.	486.80	4902.4	1922.3	1899.9	50651.
Stddev	.94	64.	3.18	7.5	1.2	4.8	93.
%RSD	.09636	.26536	.65230	.15232	.06364	.25141	.18357

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	493.4	1923.5	1842.1	1836.8	23754.	51458.	4642.0
Stddev	.8	3.0	1.6	1.9	52.	62.	15.0
%RSD	.1672	.15345	.08904	.10398	.21860	.12007	.32308

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47759.	F 1730.1	1853.3	49168.	1931.4	462.63	486.7
Stddev	199.	13.3	1.9	145.	4.1	.56	2.0
%RSD	.41576	.76732	.10284	.29429	.21084	.12052	.4011

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		2000.0					
Range		-10.500%					

Sample Name: CCV Acquired: 6/4/2013 3:14:01 Type: QC
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	459.83	5038.3	4578.6	966.73	1971.3	1989.8	5330.1
Stddev	4.40	10.5	18.5	4.11	1.5	5.0	69.4
%RSD	.95747	.20852	.40420	.42539	.07623	.24971	1.3012

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	5049.9
Stddev	7.9
%RSD	.15713

Check ?	Chk Pass
Value	
Range	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6805.9	5649.5	57186.	10043.
Stddev	18.7	8.7	70.	71.
%RSD	.27453	.15348	.12289	.70493

Sample Name: CCB Acquired: 6/4/2013 3:17:57 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.24273	8.7790	1.8003	6.0155	.63667	.29659	-1.4752
Stddev	.03611	17.772	1.6759	7.2806	.02304	.02698	3.2662
%RSD	14.879	202.44	93.093	121.03	3.6190	9.0970	221.41

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3008	1.7289	-.37499	F 8.1971	6.5442	25.978	-1.6847
Stddev	.7555	2.4585	.18357	.4059	.3736	11.379	.3668
%RSD	251.2	142.20	48.954	4.9516	5.7083	43.802	21.771

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				5.0000			
Low Limit				-5.0000			

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21.087	-.34790	3.2825	68.550	1.5366	.00241	.4885
Stddev	16.514	.03097	2.6419	15.541	2.6541	.79950	1.615
%RSD	78.314	8.9022	80.485	22.671	172.72	33136.	330.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: CCB Acquired: 6/4/2013 3:17:57 Type: QC
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.5927	5.7045	.75911	2.0418	1.1048	1.1525	3.7597
Stddev	1.4089	6.4947	.17682	1.9002	.9864	2.4787	3.9656
%RSD	88.457	113.85	23.293	93.064	89.282	215.07	105.48

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	-1.8558
Stddev	2.7308
%RSD	147.15

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7896.4	5954.9	61395.	10254.
Stddev	20.3	23.3	144.	121.
%RSD	.25646	.39117	.23515	1.1751

Sample Name: 240-24850-e-2-a Acquired: 6/4/2013 3:21:59 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.04539	25.496	1.6104	34.209	122.76	-.10912	55153.	-.1090
Stddev	.44585	11.885	1.1624	.058	.22	.03378	103.	.1616
%RSD	982.33	46.615	72.178	.17047	.17953	30.958	.18697	148.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.17367	7.1135	9.8197	21.880	3961.6	-4.0881	16430.	8.1985
Stddev	.11286	.5820	.3272	1.324	21.1	.5986	13.	.4572
%RSD	64.986	8.1810	3.3317	6.0532	.53372	14.642	.07841	5.5763

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.21823	81452.	-.07021	.12073	-.5997	.08142	.60471	.52041
Stddev	.20922	125.	.07097	.62883	1.532	1.8949	.27525	1.3941
%RSD	95.870	.15341	101.09	520.87	255.5	2327.4	45.518	267.89

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24850-e-2-a Acquired: 6/4/2013 3:21:59 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.1121	1.9570	2.5654	6872.0	163.16
Stddev	.4309	1.2162	.0609	3.8	3.37
%RSD	38.741	62.148	2.3721	.05539	2.0649

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7136.8	5749.8	58421.	10146.
Stddev	12.5	10.8	238.	21.
%RSD	.17469	.18808	.40670	.20516

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.806%	101.72%	102.62%	98.865%
Range				

Sample Name: 240-24850-e-3-a Acquired: 6/4/2013 3:25:58 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.12539	66.101	.39273	20.709	28.746	-.13129	20507.	-.1269
Stddev	.05181	1.605	.18361	.098	.062	.01988	4.	.1242
%RSD	41.321	2.4282	46.751	.47213	.21467	15.143	.02098	97.90

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.13418	1.7557	8.6223	55.655	902.76	-4.9089	8634.1	1.5750
Stddev	.10494	.2237	.3956	.675	.49	1.3160	16.0	.2019
%RSD	78.204	12.742	4.5881	1.2136	.05392	26.809	.18540	12.823

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.19544	34632.	-.64344	-.66337	-.1167	1.4820	.50264	-.21730
Stddev	.04488	36.	.10741	.90179	.6306	1.0867	.10326	.52454
%RSD	22.965	.10304	16.693	135.94	540.6	73.324	20.544	241.39

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24850-e-3-a Acquired: 6/4/2013 3:25:58 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.65043	2.9608	1.0568	6126.3	35.215
Stddev	.36032	.7362	.0772	17.8	2.055
%RSD	55.397	24.866	7.3039	.29041	5.8341

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7433.6	5870.7	59790.	10280.
Stddev	29.3	26.8	132.	44.
%RSD	.39454	.45627	.22009	.42541

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.750%	103.86%	105.03%	100.17%
Range				

Sample Name: 240-24850-e-4-a Acquired: 6/4/2013 3:29:56 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.10825	31.389	1.7478	50.198	53.118	-.16298	32397.	-.0478
Stddev	.19722	20.553	.3386	.105	.186	.02744	15.	.1788
%RSD	182.19	65.477	19.373	.20888	.35003	16.838	.04643	374.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.31261	3.5356	10.673	88.402	3152.4	-4.3891	7736.9	9.5828
Stddev	.00379	.1532	.095	1.594	33.7	.1064	68.4	.0173
%RSD	1.2113	4.3334	.88852	1.8030	1.0677	2.4233	.88370	.18009

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.29915	6672.7	.04923	-.64740	-.2734	-1.2285	.62692	.63835
Stddev	.09243	19.2	.27395	.14451	.4208	.2535	.36208	.03872
%RSD	30.898	.28777	556.46	22.322	153.9	20.634	57.755	6.0653

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24850-e-4-a Acquired: 6/4/2013 3:29:56 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.09984	8.8267	1.5845	5027.1	101.62
Stddev	.51274	.5965	.0345	12.8	1.55
%RSD	513.55	6.7579	2.1757	.25447	1.5286

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7580.4	5926.1	60932.	10408.
Stddev	17.1	7.3	64.	16.
%RSD	.22535	.12329	.10567	.15010

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.70%	104.84%	107.03%	101.42%
Range				

Sample Name: 240-24850-e-5-a Acquired: 6/4/2013 3:33:55 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.03934	2013.5	7.4111	128.58	162.59	-.06652	23444.	-.1387
Stddev	.21222	11.7	.3214	.10	.27	.02791	30.	.0655
%RSD	539.46	.58095	4.3360	.07592	.16909	41.956	.12775	47.21

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.96403	1.9462	11.256	2248.1	2265.5	-.91552	6254.4	163.95
Stddev	.02907	.0797	.427	6.7	31.0	.44930	45.7	.05
%RSD	3.0153	4.0940	3.7918	.29767	1.3693	49.076	.73103	.03333

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.3572	8240.7	1.3643	-.16392	-.9609	.10128	.56458	63.568
Stddev	.1526	6.0	.2181	1.2948	.7652	1.8017	.11842	.028
%RSD	6.4719	.07309	15.985	789.87	79.63	1778.9	20.975	.04453

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24850-e-5-a Acquired: 6/4/2013 3:33:55 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.70875	4.4313	9.5908	9415.0	266.80
Stddev	.62233	.8428	.0151	14.8	3.13
%RSD	87.807	19.019	.15778	.15692	1.1718

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7620.5	5971.8	60767.	10443.
Stddev	8.5	5.7	61.	25.
%RSD	.11188	.09578	.10050	.23523

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	101.23%	105.65%	106.74%	101.76%
Range				

Sample Name: 240-24850-e-6-a Acquired: 6/4/2013 3:37:50 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.20432	3203.6	13.624	72.613	103.13	-.02372	21516.	.2571
Stddev	.11320	2.8	.532	.140	.12	.02542	20.	.0267
%RSD	55.402	.08768	3.9071	.19240	.11844	107.17	.09457	10.39

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.6491	3.8439	13.456	7087.4	2764.0	-.91343	5247.4	2015.4
Stddev	.0670	.1595	.469	23.0	16.8	1.0128	28.1	15.5
%RSD	1.4407	4.1486	3.4875	.32459	.60890	110.88	.53644	.77044

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.9345	6550.8	6.0017	.69622	.5046	1.1404	.92032	148.28
Stddev	.1302	5.2	.0502	.29988	.3252	.3349	.25870	.51
%RSD	3.3091	.07964	.83693	43.072	64.46	29.364	28.110	.34329

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24850-e-6-a Acquired: 6/4/2013 3:37:50 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.46139	6.9965	20.398	9227.7	139.45
Stddev	.38851	1.7455	.085	31.0	4.10
%RSD	84.204	24.947	.41550	.33558	2.9437

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7670.1	6037.6	61253.	10403.
Stddev	40.9	27.1	258.	47.
%RSD	.53347	.44878	.42135	.44719

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	101.89%	106.81%	107.60%	101.38%
Range				

Sample Name: 240-24850-e-7-a Acquired: 6/4/2013 3:41:51 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.03232	76.726	6.4744	183.80	185.81	-.18579	44045.	-.0136
Stddev	.24347	10.221	2.7993	.36	.54	.08690	36.	.2514
%RSD	753.25	13.321	43.237	.19646	.28862	46.771	.08219	1853.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.52355	10.878	10.357	442.41	6927.9	-2.1500	11021.	1548.9
Stddev	.07393	.071	.578	3.01	14.9	.8404	46.	4.8
%RSD	14.121	.64934	5.5772	.67927	.21522	39.089	.41879	.31189

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.2257	43690.	17.245	-.76908	.3935	1.5616	.32755	2.8846
Stddev	.1416	75.	.167	.42821	1.332	1.8323	.26991	.0287
%RSD	6.3629	.17100	.96642	55.678	338.6	117.34	82.403	.99526

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24850-e-7-a Acquired: 6/4/2013 3:41:51 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.2253	.53044	5.3602	5012.5	157.43
Stddev	.1580	2.3088	.0844	5.8	2.01
%RSD	12.895	435.26	1.5747	.11551	1.2749

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7309.9	5814.2	59709.	10344.
Stddev	10.5	4.2	87.	29.
%RSD	.14333	.07297	.14640	.27959

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.107%	102.86%	104.88%	100.80%
Range				

Sample Name: 240-24850-e-8-a Acquired: 6/4/2013 3:45:46 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.10674	8.2899	.96571	99.526	353.93	-.25445	92050.
Stddev	.27523	10.998	1.0753	.810	.58	.03019	197.
%RSD	257.85	132.67	111.34	.81402	.16386	11.863	.21373

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1499	.14466	170.84	8.6199	18.081	4278.9	25.684
Stddev	.1508	.07390	.82	.6681	.382	19.1	.256
%RSD	100.6	51.088	.47931	7.7503	2.1134	.44538	.99762

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	27742.	.42120	-.26517	165340.	.35343	-1.5447	-.6143
Stddev	67.	.04018	.01416	987.	.16000	.6540	1.398
%RSD	.24284	9.5393	5.3405	.59704	45.270	42.337	227.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24850-e-8-a Acquired: 6/4/2013 3:45:46 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.25337	.52907	-.99789	.43305	.49660	1.5381	6826.6
Stddev	1.4225	.31644	.16463	.39634	.61678	.0355	2.1
%RSD	561.46	59.810	16.498	91.525	124.20	2.3088	.03042

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	253.22
Stddev	.53
%RSD	.21034

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6839.1	5630.2	57176.	10269.
Stddev	17.0	7.2	256.	54.
%RSD	.24868	.12704	.44747	.53069

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.852%	99.608%	100.43%	100.06%
Range				

Sample Name: 240-24850-e-9-a Acquired: 6/4/2013 3:49:50 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.01713	76.749	9.0328	22.418	60.164	-.15306	19683.	-.0878
Stddev	.60837	3.036	.2667	2.793	.083	.03517	29.	.1420
%RSD	3551.6	3.9564	2.9521	12.458	.13835	22.979	.14704	161.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.14349	.21181	8.4054	132.62	1286.4	-2.8859	3325.3	494.69
Stddev	.10258	.06466	.5176	1.23	18.8	.2416	14.5	.42
%RSD	71.486	30.527	6.1583	.92518	1.4640	8.3709	.43517	.08471

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.6084	11043.	101.77	-.72583	-2.058	1.1896	.41888	1.7125
Stddev	.0978	12.	78.01	.18983	1.959	2.2705	.21069	.1166
%RSD	6.0818	.11015	76.655	26.153	95.18	190.86	50.297	6.8068

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24850-e-9-a Acquired: 6/4/2013 3:49:50 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.90012	-.10452	^ *****	5283.0	185.21
Stddev	.78039	1.3318	-----	26.6	1.78
%RSD	86.698	1274.2	-----	.50364	.95917

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7448.2	5754.2	60746.	10391.
Stddev	19.7	16.4	62.	3.
%RSD	.26409	.28542	.10239	.03216

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.943%	101.80%	106.71%	101.26%
Range				

Sample Name: 240-24850-e-10-a Acquired: 6/4/2013 3:53:46 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.07442	76.257	8.7803	18.446	63.420	-.19221	19367.	-.0515
Stddev	.41127	7.028	.3747	.093	.153	.02997	24.	.0963
%RSD	552.62	9.2164	4.2679	.50294	.24193	15.591	.12346	187.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.16717	.16346	8.6077	145.71	1266.1	-3.7370	3245.3	608.56
Stddev	.15497	.07778	.3127	1.89	21.3	.6833	.6	1.08
%RSD	92.703	47.581	3.6330	1.2957	1.6795	18.285	.01794	.17786

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.5707	6900.8	.13769	-.60185	-.7844	1.0400	.46887	1.9930
Stddev	.0536	16.9	.36818	.32271	1.102	1.4728	.10876	.0571
%RSD	3.4120	.24493	267.40	53.621	140.4	141.63	23.197	2.8641

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24850-e-10-a Acquired: 6/4/2013 3:53:46 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.55555	.84427	3.2594	5210.2	187.09
Stddev	1.0019	2.1637	.0107	8.1	3.93
%RSD	180.34	256.28	.32744	.15516	2.0988

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7814.8	6037.6	60999.	10489.
Stddev	6.7	3.0	154.	56.
%RSD	.08619	.04919	.25165	.53380

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	103.81%	106.82%	107.15%	102.21%
Range				

Sample Name: 240-24850-e-11-a Acquired: 6/4/2013 3:57:42 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.07860	14.362	2.5248	26.643	28.961	-.14570	7978.5	-.0382
Stddev	.34981	15.032	1.6173	.308	.140	.01300	37.5	.0444
%RSD	445.06	104.66	64.058	1.1549	.48386	8.9255	.47012	116.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.6194	.40118	9.2093	6277.0	648.07	.42449	3644.7	214.53
Stddev	.1372	.13860	.4885	55.7	25.72	.98897	27.5	.62
%RSD	8.4724	34.548	5.3048	.88721	3.9680	232.98	.75487	.28930

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.26142	7766.6	.96171	-.54061	.0711	.80627	.46531	-.72104
Stddev	.09105	13.6	.25925	.03523	.9159	1.0809	.22927	.07341
%RSD	34.828	.17572	26.957	6.5165	1288.	134.06	49.272	10.180

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24850-e-11-a Acquired: 6/4/2013 3:57:42 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.0662	.43533	2.6402	6125.1	20.839
Stddev	.3055	1.1126	.0156	21.6	2.332
%RSD	28.649	255.58	.58908	.35201	11.190

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7834.7	6053.9	62361.	10701.
Stddev	9.4	6.0	131.	133.
%RSD	.12015	.09877	.21076	1.2445

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	104.08%	107.10%	109.54%	104.28%
Range				

Sample Name: CCV Acquired: 6/4/2013 4:01:42 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	965.44	24050.	486.11	4903.1	1913.7	1883.0	50399.
Stddev	4.44	49.	1.47	5.9	3.6	2.8	61.
%RSD	.45980	.20422	.30276	.11947	.18661	.15127	.12083

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	493.6	1910.4	1799.8	1816.4	23443.	51501.	4596.5
Stddev	.4	2.4	11.7	5.1	9.	52.	7.3
%RSD	.0896	.12379	.64775	.28111	.03772	.10053	.15882

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47012.	F 1702.0	1842.6	48781.	1919.6	456.77	487.1
Stddev	48.	8.3	2.3	88.	4.2	1.10	1.6
%RSD	.10248	.48921	.12286	.18113	.21881	.24124	.3191

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		2000.0					
Range		-10.500%					

Sample Name: CCV Acquired: 6/4/2013 4:01:42 Type: QC
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	458.01	5002.7	4488.3	956.12	1970.0	1959.6	5313.7
Stddev	2.82	11.7	23.7	1.16	4.3	5.4	44.2
%RSD	.61680	.23444	.52839	.12096	.21831	.27746	.83238

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	5069.7
Stddev	13.2
%RSD	.26045

Check ?	Chk Pass
Value	
Range	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6955.9	5770.8	58784.	10221.
Stddev	12.3	4.7	405.	9.
%RSD	.17621	.08158	.68901	.08390

Sample Name: CCB Acquired: 6/4/2013 4:05:37 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.27303	11.605	.22524	1.0069	.47865	.26274	27.938
Stddev	.20888	15.848	1.3766	.7952	.05634	.04927	.293
%RSD	76.506	136.56	611.16	78.968	11.770	18.754	1.0485

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2056	.21013	-.58219	F 10.038	5.7263	43.035	-1.3431
Stddev	.0276	.02489	.24719	.479	1.2278	8.924	.2347
%RSD	13.44	11.847	42.459	4.7683	21.441	20.737	17.473

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				5.0000			
Low Limit				-5.0000			

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11.547	-.40252	1.4221	46.078	-.51522	-.21939	-.3320
Stddev	12.397	.03107	.1079	10.242	.47729	.68679	.6488
%RSD	107.37	7.7178	7.5903	22.227	92.639	313.05	195.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: CCB Acquired: 6/4/2013 4:05:37 Type: QC
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.4144	1.4587	.52296	-.09365	2.0496	.55929	2.2935
Stddev	1.9621	.1081	.06140	.33546	1.1590	.04632	3.3012
%RSD	138.73	7.4135	11.741	358.19	56.548	8.2818	143.94

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	-1.1853
Stddev	4.7149
%RSD	397.77

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	8022.9	6069.4	62309.	10430.
Stddev	38.8	30.3	70.	64.
%RSD	.48329	.50002	.11186	.61296

Sample Name: 240-24850-e-12-a Acquired: 6/4/2013 4:09:38 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.16141	6.2246	.27425	27.952	40.118	-.07690	12851.	-.0145
Stddev	.24218	3.8090	1.0527	1.331	.041	.01196	5.	.0218
%RSD	150.05	61.192	383.84	4.7618	.10266	15.550	.03534	150.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.24211	2.2055	9.8971	26.170	627.19	-.89207	4391.8	5.5798
Stddev	.51398	.2226	.4389	1.292	21.39	1.2012	21.2	.0203
%RSD	212.29	10.092	4.4342	4.9353	3.4107	134.65	.48211	.36286

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.29336	12151.	.00309	-.12406	-.4598	.40452	1.1826	-.15094
Stddev	.25434	17.	.50766	.37098	.4824	1.1939	1.0468	.06257
%RSD	86.697	.14222	16422.	299.04	104.9	295.13	88.520	41.453

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24850-e-12-a Acquired: 6/4/2013 4:09:38 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.93222	.07641	4.1725	5804.2	29.158
Stddev	.74172	.23184	.3722	4.2	2.199
%RSD	79.565	303.42	8.9194	.07276	7.5423

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7818.8	6058.0	62260.	10551.
Stddev	37.5	30.1	507.	34.
%RSD	.48019	.49616	.81489	.32473

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	103.87%	107.18%	109.36%	102.82%
Range				

Sample Name: 240-24850-e-13-a Acquired: 6/4/2013 4:13:37 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.12341	10.648	.17462	34.244	60.174	-.18636	28784.	-.2350
Stddev	.05345	9.000	.58150	.371	.190	.02195	60.	.0961
%RSD	43.313	84.526	333.01	1.0835	.31598	11.776	.20688	40.92

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.03892	.93380	8.4778	12.286	3286.8	-4.1240	8269.6	-.25064
Stddev	.06916	.22429	.9058	.719	10.8	.2113	23.0	.02775
%RSD	177.69	24.019	10.685	5.8522	.32788	5.1243	.27815	11.073

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.24936	58535.	-.85288	-.88725	-.4937	.37324	.47642	-.55950
Stddev	.21390	36.	.13104	.63518	2.352	.40814	.22436	.07272
%RSD	85.781	.06225	15.364	71.590	476.5	109.35	47.093	12.997

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24850-e-13-a Acquired: 6/4/2013 4:13:37 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.67616	2.1615	1.1150	5941.2	68.476
Stddev	.47135	1.5954	.0500	5.1	4.495
%RSD	69.709	73.810	4.4824	.08552	6.5636

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7336.2	5846.4	59868.	10685.
Stddev	18.4	12.4	186.	34.
%RSD	.25139	.21229	.31049	.32071

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.456%	103.43%	105.16%	104.12%
Range				

Sample Name: 240-24850-e-15-a Acquired: 6/4/2013 4:17:35 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.40027	75.905	2.6586	40.817	178.42	-.16716	65947.	-.0921
Stddev	.21015	3.609	.4208	.259	.74	.04657	358.	.1498
%RSD	52.501	4.7549	15.828	.63454	.41450	27.860	.54315	162.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.97510	81.097	14.279	587.74	3783.9	-6.5906	19104.	369.90
Stddev	.11340	.262	.559	1.27	17.2	.7418	95.	.86
%RSD	11.630	.32311	3.9144	.21528	.45514	11.256	.49521	.23151

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.0645	93136.	16.596	-.89897	-.2834	1.1452	.29704	3.7371
Stddev	.0217	222.	.075	.55840	.3583	2.1496	.35036	.1187
%RSD	2.0420	.23815	.44993	62.116	126.4	187.71	117.95	3.1771

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24850-e-15-a Acquired: 6/4/2013 4:17:35 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.57988	4.3796	7.6626	5960.3	224.39
Stddev	.46299	1.5754	.0736	22.3	.90
%RSD	79.841	35.972	.96090	.37433	.40018

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7144.6	5788.5	58833.	10410.
Stddev	20.9	15.6	222.	43.
%RSD	.29246	.26928	.37708	.41693

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.911%	102.41%	103.34%	101.44%
Range				

Sample Name: 240-24850-e-16-a Acquired: 6/4/2013 4:21:31 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.24855	26.572	2.1034	39.116	173.50	-.21624	64050.	-.0265
Stddev	.45131	11.539	2.3665	.157	.11	.00935	146.	.0848
%RSD	181.58	43.427	112.51	.40133	.06196	4.3218	.22759	320.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.90268	64.315	9.5144	374.88	3752.8	-5.1070	18281.	438.07
Stddev	.09413	.331	.5123	1.70	3.9	2.0982	72.	.67
%RSD	10.427	.51398	5.3845	.45393	.10306	41.084	.39324	.15407

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.6167	86864.	33.949	-1.5413	-1.707	-.88309	.36398	.38862
Stddev	.0384	29.	.257	1.5440	1.532	1.8360	.07849	.01840
%RSD	2.3736	.03370	.75752	100.17	89.70	207.91	21.565	4.7341

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24850-e-16-a Acquired: 6/4/2013 4:21:31 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.2159	2.7964	9.1736	5662.9	232.04
Stddev	.5973	1.4877	.0772	10.8	1.93
%RSD	49.129	53.201	.84112	.18998	.83063

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7138.2	5764.5	58800.	10381.
Stddev	18.2	8.4	204.	86.
%RSD	.25472	.14573	.34773	.83022

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.826%	101.98%	103.29%	101.16%
Range				

Sample Name: 240-24850-e-17-a Acquired: 6/4/2013 4:25:27 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.24541	14.140	3.1485	31.944	143.71	-.19482	59990.	-.0908
Stddev	.10098	3.222	.6608	.187	.01	.02336	266.	.0214
%RSD	41.147	22.784	20.988	.58561	.01022	11.990	.44369	23.63

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.08663	6.3601	7.8270	241.18	4482.9	-5.4103	15818.	44.153
Stddev	.16134	.2423	.2374	.42	9.0	.7202	104.	.053
%RSD	186.25	3.8098	3.0331	.17294	.20186	13.312	.66056	.11982

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.49701	40897.	1.3865	-1.0959	-.1712	.70581	.57588	.57743
Stddev	.09743	94.	.3472	.7795	.4296	.86865	.24109	.17186
%RSD	19.603	.23068	25.042	71.132	250.9	123.07	41.864	29.763

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24850-e-17-a Acquired: 6/4/2013 4:25:27 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.73399	1.6794	2.3958	5462.3	214.93
Stddev	.56629	.5619	.0412	21.5	1.97
%RSD	77.152	33.459	1.7191	.39422	.91501

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7363.6	5869.9	60668.	10517.
Stddev	5.0	2.5	27.	143.
%RSD	.06807	.04181	.04500	1.3613

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.819%	103.85%	106.57%	102.49%
Range				

Sample Name: 240-24850-e-18-a Acquired: 6/4/2013 4:29:26 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.02770	-4.3088	1.9132	36.369	127.19	-.18001	58006.	-.2099
Stddev	.22543	3.3021	1.5481	.079	.16	.06016	77.	.0879
%RSD	813.78	76.637	80.920	.21856	.12205	33.420	.13223	41.90

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.11657	7.4206	8.4329	11.506	3561.0	-5.6653	16918.	36.787
Stddev	.15251	.2173	.5001	1.740	19.0	.4103	6.	.076
%RSD	130.84	2.9288	5.9301	15.125	.53492	7.2420	.03708	.20573

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.11218	49172.	.12007	-.67443	.3938	-.01735	.79499	-.77675
Stddev	.24002	38.	.40576	.63391	1.296	1.1679	.30319	.12052
%RSD	213.96	.07666	337.95	93.992	329.0	6731.6	38.138	15.516

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24850-e-18-a Acquired: 6/4/2013 4:29:26 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.77631	2.0028	3.7415	5731.1	169.05
Stddev	.18039	.1378	.0584	13.2	2.73
%RSD	23.238	6.8778	1.5598	.22947	1.6124

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7300.4	5842.6	59923.	10464.
Stddev	24.4	9.9	299.	36.
%RSD	.33443	.16927	.49930	.34298

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.980%	103.37%	105.26%	101.97%
Range				

Sample Name: 240-24850-e-19-a Acquired: 6/4/2013 4:33:23 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.02761	14.798	1.1314	39.864	109.94	-.20233	51479.	-.0975
Stddev	.14022	9.153	.7961	.127	.23	.01136	89.	.1554
%RSD	507.81	61.850	70.367	.31908	.20732	5.6142	.17223	159.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.17144	8.7258	8.3278	61.912	2952.0	-4.1376	16884.	10.786
Stddev	.12753	.1282	.5661	.802	21.2	.6543	104.	.014
%RSD	74.388	1.4687	6.7979	1.2949	.71903	15.813	.61648	.12514

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.14692	39387.	10.975	-.68723	1.574	-.02640	.46666	1.0715
Stddev	.10020	13.	.091	.93953	1.185	2.2683	.04469	.0622
%RSD	68.201	.03184	.82631	136.71	75.28	8591.2	9.5767	5.8057

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24850-e-19-a Acquired: 6/4/2013 4:33:23 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.59463	2.1981	11.015	7208.2	108.87
Stddev	.24448	1.0951	.086	9.7	1.53
%RSD	41.114	49.819	.77676	.13474	1.4072

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7306.0	5828.7	59391.	10464.
Stddev	14.7	8.5	294.	82.
%RSD	.20081	.14627	.49541	.78276

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.054%	103.12%	104.32%	101.97%
Range				

Sample Name: 240-24850-e-20-a Acquired: 6/4/2013 4:37:19 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.17079	16.865	1.2210	135.17	100.95	-.21849	65024.	-.0886
Stddev	.34694	7.443	1.3735	.23	.18	.02729	106.	.1461
%RSD	203.13	44.134	112.49	.17261	.17551	12.492	.16311	164.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.08546	13.302	8.0513	17.487	3710.7	-7.6250	15996.	.76785
Stddev	.06031	.128	.2844	1.130	8.9	1.3467	47.	.02922
%RSD	70.572	.96030	3.5318	6.4595	.23998	17.662	.29275	3.8060

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.14941	23057.	.58226	-.51656	.3911	-.95121	.53263	-.96664
Stddev	.06997	31.	.44745	.64709	1.327	1.3023	.11274	.07759
%RSD	46.831	.13488	76.848	125.27	339.4	136.91	21.166	8.0265

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24850-e-20-a Acquired: 6/4/2013 4:37:19 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.37858	2.9070	1.5815	5702.1	168.21
Stddev	.18454	1.3712	.0336	24.1	3.76
%RSD	48.746	47.171	2.1221	.42321	2.2331

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7320.4	5828.3	59511.	10288.
Stddev	28.2	22.1	100.	29.
%RSD	.38543	.37932	.16784	.27881

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.246%	103.11%	104.53%	100.25%
Range				

Sample Name: 240-24850-e-21-a Acquired: 6/4/2013 4:41:17 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.01538	15.155	1.5889	391.95	93.585	-.21486	67445.	-.1896
Stddev	.61816	14.906	.9299	.72	.032	.04216	186.	.0734
%RSD	4020.5	98.358	58.526	.18322	.03400	19.621	.27525	38.71

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.04367	53.818	7.9812	115.51	3406.2	-9.2744	16625.	.77765
Stddev	.30844	.276	.2055	.99	5.2	2.2044	120.	.02116
%RSD	706.31	.51320	2.5748	.85559	.15132	23.768	.72047	2.7209

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.03621	15264.	3.0605	-.86441	-.9922	1.2167	.04900	1.0862
Stddev	.12768	26.	.1957	1.0016	1.512	.8555	.42089	.0824
%RSD	352.65	.17057	6.3951	115.88	152.4	70.314	859.01	7.5840

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24850-e-21-a Acquired: 6/4/2013 4:41:17 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.1196	4.7122	1.3311	5173.8	152.36
Stddev	.3110	1.2834	.0589	16.3	2.21
%RSD	27.774	27.237	4.4246	.31460	1.4502

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7396.5	5877.4	60742.	10481.
Stddev	25.1	8.0	66.	173.
%RSD	.33933	.13675	.10809	1.6480

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.256%	103.98%	106.70%	102.13%
Range				

Sample Name: mb 240-87596/1-a Acquired: 6/4/2013 4:45:13 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.05780	-9.3352	-.18090	-4.6032	.14002	-.14648	-11.665
Stddev	.17644	5.2724	1.7388	.2061	.06485	.04558	.992
%RSD	305.24	56.478	961.20	4.4773	46.314	31.117	8.5064

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1887	-.16318	-.69126	F 9.3163	-.44745	7.2554	-2.8899
Stddev	.0714	.13758	.36384	.4629	.12950	11.422	.5281
%RSD	37.83	84.311	52.634	4.9691	28.942	157.43	18.272

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				5.0000			
Low Limit				-1000.0			

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.4604	-.52448	-.34040	50.441	-.66300	.17804	-.4180
Stddev	5.1297	.00861	.02499	4.559	.08229	.81954	1.040
%RSD	79.402	1.6425	7.3404	9.0374	12.411	460.31	248.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: mb 240-87596/1-a Acquired: 6/4/2013 4:45:13 Type: QC
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.34407	.20071	-1.1149	.64854	.76682	6.5537	9.1676
Stddev	.36851	.26359	.1124	.44250	.73071	.0410	.9101
%RSD	107.10	131.33	10.078	68.230	95.291	.62557	9.9274

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	.06549
Stddev	1.8132
%RSD	2768.7

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	8040.7	6120.1	63479.	10734.
Stddev	17.6	6.1	317.	75.
%RSD	.21843	.09993	.50011	.69956

Sample Name: CCV Acquired: 6/4/2013 4:49:16 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	964.99	23805.	482.03	4886.1	1902.0	1880.7	50126.
Stddev	2.62	64.	3.49	9.3	3.4	1.4	57.
%RSD	.27101	.26902	.72468	.19089	.17811	.07526	.11443

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	490.5	1905.7	1808.8	1815.5	23389.	50969.	4566.4
Stddev	.4	2.1	9.8	9.0	35.	128.	6.1
%RSD	.0840	.10936	.54294	.49462	.14819	.25047	.13463

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47011.	F 1715.2	1834.8	48684.	1914.8	456.82	483.5
Stddev	49.	17.6	2.9	50.	1.1	1.37	1.4
%RSD	.10331	1.0273	.15831	.10259	.05802	.30054	.2994

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		2000.0					
Range		-10.500%					

Sample Name: CCV Acquired: 6/4/2013 4:49:16 Type: QC
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	455.93	4996.1	4513.8	956.69	1950.6	1966.7	5264.5
Stddev	2.16	5.8	47.2	.60	3.2	3.2	58.5
%RSD	.47383	.11613	1.0454	.06232	.16618	.16137	1.1103

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	5004.8
Stddev	1.2
%RSD	.02321

Check ?	Chk Pass
Value	
Range	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6946.2	5771.4	58555.	10245.
Stddev	13.8	7.9	320.	2.
%RSD	.19877	.13732	.54617	.01865

Sample Name: CCB Acquired: 6/4/2013 4:53:12 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.35891	14.681	1.2889	3.8297	.61124	.32331	30.560
Stddev	.11796	17.144	.7903	4.5112	.16572	.04672	1.679
%RSD	32.866	116.78	61.314	117.79	27.113	14.450	5.4931

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0829	1.1921	-.35356	F 8.6831	4.9542	44.843	-1.1031
Stddev	.4608	1.5921	.14809	.3236	.8209	11.133	.2690
%RSD	555.8	133.55	41.887	3.7273	16.570	24.827	24.383

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				5.0000			
Low Limit				-5.0000			

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19.700	-.29731	2.5093	46.635	.56020	-.32574	.1420
Stddev	10.194	.01100	1.7798	8.588	1.7122	.83534	.4275
%RSD	51.746	3.6997	70.929	18.415	305.65	256.44	301.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: CCB Acquired: 6/4/2013 4:53:12 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.44715	4.1605	.75184	.75288	.23405	1.7000	.75631
Stddev	2.9178	4.3704	.12058	1.3885	1.2845	1.7334	4.5922
%RSD	652.54	105.04	16.037	184.43	548.84	101.96	607.19

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	-1.0466
Stddev	2.0419
%RSD	195.10

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	8022.5	6049.5	62357.	10470.
Stddev	20.4	16.1	230.	56.
%RSD	.25472	.26540	.36883	.53747

Sample Name: lcs 240-87596/2-a Acquired: 6/4/2013 4:57:16 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50.064	1887.0	1958.6	1006.6	1917.4	46.033	49953.	48.77
Stddev	.288	9.9	2.1	1.2	3.5	.177	70.	.10
%RSD	.57552	.52583	.10766	.12391	.18459	.38424	.13973	.2134

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	480.69	181.65	239.01	939.78	51629.	892.74	46690.	440.20
Stddev	.47	.36	.41	1.83	101.	2.20	151.	.63
%RSD	.09818	.19613	.17060	.19437	.19619	.24662	.32235	.14373

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	930.07	48765.	486.37	465.87	492.6	1882.5	1979.6	901.64
Stddev	1.07	138.	.48	1.06	.4	12.7	1.1	.91
%RSD	.11478	.28353	.09857	.22730	.0854	.67399	.05306	.10127

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: lcs 240-87596/2-a Acquired: 6/4/2013 4:57:16
 Method: Standard Method + IEC Checks(v169) Mode: CONC
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Type: QC
 Corr. Factor: 1.000000

Elem	TI1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1934.2	498.35	493.56	1052.0	985.85
Stddev	3.6	1.54	.83	4.8	5.25
%RSD	.18681	.30829	.16828	.45728	.53257

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7057.9	5757.9	59551.	10574.
Stddev	4.8	3.6	146.	19.
%RSD	.06851	.06320	.24537	.17770

Sample Name: 240-24927-e-8-a Acquired: 6/4/2013 5:00:55 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.26865	-3.9397	1.4068	94.330	90.075	-.16206	58811.	-.0782
Stddev	.28129	11.084	.4750	.105	.207	.04491	18.	.0667
%RSD	104.70	281.34	33.768	.11117	.22977	27.715	.03084	85.30

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.27723	203.46	8.7563	7.9083	3280.2	-6.6631	19798.	-.17395
Stddev	.06391	1.03	.8195	.8586	21.9	.1441	37.	.01807
%RSD	23.054	.50432	9.3591	10.857	.66822	2.1628	.18723	10.387

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.2279	72157.	.78230	-.77293	-.2842	2.4320	1.4755	-.42572
Stddev	.1382	88.	.38317	.44382	.0965	1.2070	.2541	.02289
%RSD	11.253	.12233	48.980	57.421	33.97	49.630	17.217	5.3763

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24927-e-8-a Acquired: 6/4/2013 5:00:55 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.5854	3.4189	6.4477	6352.7	166.58
Stddev	.5368	1.5536	.0549	14.5	3.20
%RSD	20.763	45.440	.85096	.22834	1.9226

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7180.6	5789.4	58638.	10337.
Stddev	24.6	17.5	227.	8.
%RSD	.34253	.30261	.38728	.07872

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.388%	102.42%	103.00%	100.73%
Range				

Sample Name: SD 240-24927-e-8-a@5 Acquired: 6/4/2013 5:04:49 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.14745	-7.9377	.75091	16.165	18.936	-.13481	12241.	-.0799
Stddev	.52871	5.9198	.46689	.199	.065	.01516	12.	.1692
%RSD	358.56	74.578	62.177	1.2319	.34421	11.243	.09473	211.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.12316	41.707	8.6700	.92651	690.11	-3.8224	4164.9	-.36099
Stddev	.17668	.597	.2705	.59774	7.66	.9235	33.3	.26732
%RSD	143.45	1.4324	3.1203	64.514	1.1097	24.161	.80027	74.052

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.00367	15009.	-.15951	-.82418	-1.629	.17333	.52617	-.42279
Stddev	.24738	2.	.15329	.12746	1.233	.66172	.18029	.60279
%RSD	6739.9	.01520	96.103	15.465	75.69	381.76	34.265	142.57

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: SD 240-24927-e-8-a@5 Acquired: 6/4/2013 5:04:49 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.97076	2.0631	2.5180	1305.6	32.170
Stddev	.41849	1.7678	.0696	7.6	3.968
%RSD	43.109	85.685	2.7646	.58375	12.333

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7711.0	5986.8	61394.	10489.
Stddev	5.1	6.8	99.	25.
%RSD	.06644	.11355	.16077	.24169

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	102.44%	105.92%	107.84%	102.21%
Range				

Sample Name: 240-24926-a-8-b.ms Acquired: 6/4/2013 5:08:47 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	52.962	1968.8	2030.9	1086.0	2365.1	45.958	143890.
Stddev	.401	20.7	4.6	2.1	3.7	.257	2998.
%RSD	.75719	1.0498	.22826	.19409	.15607	.56009	2.0836

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49.67	492.72	184.79	250.04	1050.7	57750.	913.18
Stddev	.17	.31	.71	.68	5.7	245.	4.40
%RSD	.3399	.06357	.38215	.27175	.54499	.42467	.48171

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	77669.	446.27	932.62	361040.	496.60	455.14	500.9
Stddev	418.	.40	1.50	4353.	.82	1.03	.9
%RSD	.53858	.08877	.16080	1.2055	.16461	.22692	.1725

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24926-a-8-b.ms Acquired: 6/4/2013 5:08:47 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1934.8	2031.4	918.05	1905.1	498.93	520.16	9167.3
Stddev	5.3	2.3	2.17	3.9	1.36	.35	29.8
%RSD	.27410	.11223	.23644	.20255	.27183	.06730	.32486

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1442.5
Stddev	6.8
%RSD	.47366

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6422.0	5448.3	55549.	10187.
Stddev	9.0	3.3	110.	178.
%RSD	.13945	.05994	.19878	1.7500

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	85.311%	96.389%	97.577%	99.265%
Range				

Sample Name: 240-24926-a-8-c msd Acquired: 6/4/2013 5:12:43 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50.842	1857.7	1935.3	1035.5	2249.7	43.918	136590.
Stddev	.621	21.9	2.7	1.3	1.0	.155	1026.
%RSD	1.2206	1.1762	.14176	.12596	.04508	.35192	.75089

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47.59	467.76	176.78	238.78	1013.4	55027.	871.19
Stddev	.19	.49	.50	1.08	3.5	108.	3.13
%RSD	.4065	.10375	.28032	.45336	.34172	.19660	.35902

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	74004.	426.33	888.12	346710.	471.25	435.85	477.0
Stddev	356.	.95	1.51	1932.	.45	.69	1.4
%RSD	.48054	.22318	.16963	.55723	.09562	.15875	.3023

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24926-a-8-c msd Acquired: 6/4/2013 5:12:43 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1850.2	1933.2	874.94	1826.9	474.86	492.44	8772.4
Stddev	7.6	1.4	1.20	7.1	1.51	.55	22.4
%RSD	.40835	.07071	.13668	.38828	.31849	.11167	.25553

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1360.9
Stddev	6.5
%RSD	.47463

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6429.1	5446.6	55134.	10211.
Stddev	8.4	7.8	200.	38.
%RSD	.12989	.14370	.36222	.37534

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	85.406%	96.360%	96.847%	99.504%
Range				

Sample Name: 240-24927-e-5-a Acquired: 6/4/2013 5:16:38 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.01950	-22.995	1.7002	45.301	34.896	-.13699	37061.	-.0997
Stddev	.20931	7.360	.6410	.338	.152	.02893	31.	.0758
%RSD	1073.6	32.008	37.701	.74717	.43489	21.117	.08357	76.05

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.63370	14.773	9.0007	60.300	2076.5	-4.4048	12298.	100.07
Stddev	.08313	.290	.3127	.807	9.9	.7268	44.	.05
%RSD	13.118	1.9613	3.4738	1.3381	.47597	16.500	.35468	.04629

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.0053	49934.	1.6282	-1.3808	.1233	2.2162	1.4532	-.56655
Stddev	.0967	108.	.2028	.8342	1.443	1.7878	.2882	.15075
%RSD	9.6195	.21727	12.454	60.412	1170.	80.671	19.833	26.608

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24927-e-5-a Acquired: 6/4/2013 5:16:38 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.1946	1.2248	5.2967	5618.5	88.800
Stddev	.5514	.7312	.0218	12.1	3.022
%RSD	25.123	59.698	.41242	.21510	3.4029

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7370.0	5875.2	60104.	10487.
Stddev	16.8	11.7	111.	49.
%RSD	.22767	.19950	.18486	.46964

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.904%	103.94%	105.58%	102.19%
Range				

Sample Name: 240-24927-e-6-a Acquired: 6/4/2013 5:20:35 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.32634	-17.615	.43639	88.420	66.722	-.16652	53610.	.0195
Stddev	.34660	16.073	.58600	.280	.054	.02861	117.	.0619
%RSD	106.21	91.248	134.28	.31615	.08020	17.180	.21869	318.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.24855	53.791	9.1559	8.7877	2787.6	-6.6206	17460.	5.5205
Stddev	.05835	.246	.7196	.3703	47.0	.6456	58.	.0412
%RSD	23.475	.45744	7.8591	4.2139	1.6853	9.7514	.33369	.74660

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.21273	62881.	.91025	-.80242	-.3616	.26870	.40338	-.80763
Stddev	.03771	142.	.24607	.76463	1.033	1.7237	.49541	.13574
%RSD	17.726	.22635	27.033	95.290	285.7	641.51	122.81	16.807

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24927-e-6-a Acquired: 6/4/2013 5:20:35 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.80552	3.6686	11.382	5445.6	140.11
Stddev	.24951	2.8730	.112	38.4	2.81
%RSD	30.975	78.313	.98737	.70594	2.0055

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7248.6	5830.2	60084.	10561.
Stddev	56.5	34.4	105.	23.
%RSD	.77911	.58936	.17513	.22166

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.292%	103.15%	105.54%	102.92%
Range				

Sample Name: 240-24927-e-7-a Acquired: 6/4/2013 5:24:31 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.05116	-6.9539	1.1097	48.390	48.960	-.16139	33869.	-.1216
Stddev	.32378	10.572	1.0121	.288	.135	.03681	22.	.1212
%RSD	632.87	152.03	91.199	.59466	.27672	22.809	.06506	99.66

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.15024	17.635	8.7487	2.4788	2300.3	-5.6110	10790.	-.51280
Stddev	.25155	.112	.5375	.5210	17.9	.7131	26.	.02281
%RSD	167.43	.63398	6.1437	21.018	.77702	12.710	.23723	4.4477

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.10714	49948.	-.48016	-1.2497	.1411	.62813	.46483	-.96988
Stddev	.11248	141.	.20929	.5032	.7254	.33327	.31888	.08445
%RSD	104.98	.28307	43.588	40.264	514.0	53.057	68.601	8.7071

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 240-24927-e-7-a Acquired: 6/4/2013 5:24:31 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.3367	1.0859	1.7218	4231.7	99.302
Stddev	.2050	1.8881	.0641	5.3	1.040
%RSD	15.335	173.88	3.7244	.12424	1.0475

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7431.1	5912.2	60112.	10436.
Stddev	17.0	11.7	224.	33.
%RSD	.22904	.19806	.37343	.31968

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.716%	104.60%	105.59%	101.69%
Range				

Sample Name: 240-24926-a-8-a Acquired: 6/4/2013 5:28:30 Type: Unk
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.73822	25.385	.62952	52.703	429.14	-.21747	94426.
Stddev	.24378	11.216	.48503	.444	1.25	.03682	277.
%RSD	33.022	44.183	77.047	.84330	.29103	16.932	.29348

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1425	.09215	1.8166	15.008	96.159	4569.5	-3.4623
Stddev	.1139	.01545	.1217	.541	1.195	16.4	1.4451
%RSD	79.92	16.767	6.6987	3.6049	1.2428	.35870	41.738

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	30044.	.71793	-.13275	311400.	.84090	-.63899	-1.902
Stddev	117.	.00424	.03250	5774.	.26937	.17598	3.205
%RSD	.38780	.59100	24.484	1.8543	32.034	27.540	168.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 240-24926-a-8-a Acquired: 6/4/2013 5:28:30 Type: Unk
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.05001	1.3282	1.3672	.31785	1.2917	8.6037	7786.6
Stddev	.45470	.2079	.1241	.37670	1.1940	.0752	24.0
%RSD	909.22	15.649	9.0780	118.51	92.432	.87357	.30822

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	447.86
Stddev	1.48
%RSD	.32969

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6618.4	5544.3	56194.	10259.
Stddev	10.7	3.8	191.	93.
%RSD	.16196	.06840	.33916	.90415

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	87.920%	98.089%	98.710%	99.968%
Range				

Sample Name: CRI Acquired: 6/4/2013 5:32:36 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.9444	194.70	15.126	186.48	9.7604	4.5167	5022.5
Stddev	.2085	1.71	.278	.07	.0966	.0602	4.0
%RSD	4.2175	.87850	1.8374	.03539	.98960	1.3318	.08013

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.687	4.7643	3.7690	F 22.237	286.00	5047.5	42.464
Stddev	.036	.0824	.1587	.750	1.04	27.1	.481
%RSD	.7722	1.7297	4.2109	3.3724	.36457	.53657	1.1322

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value				15.000			
Range				30.500%			

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4844.4	13.830	9.0436	4973.8	22.417	8.9535	8.923
Stddev	23.7	.092	.0964	24.9	.271	1.0649	.405
%RSD	.48962	.66529	1.0664	.50117	1.2096	11.894	4.534

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Sample Name: CRI Acquired: 6/4/2013 5:32:36 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19.029	95.424	43.522	14.698	F 9.8549	36.436	499.18
Stddev	1.226	.207	.263	.617	1.5436	.059	3.55
%RSD	6.4413	.21737	.60406	4.1982	15.664	.16258	.71039

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value					7.0000		
Range					30.500%		

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	48.826
Stddev	3.314
%RSD	6.7877

Check ?	Chk Pass
Value	
Range	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7870.8	6059.1	61759.	10393.
Stddev	4.9	.2	630.	31.
%RSD	.06169	.00346	1.0194	.29974

Sample Name: CCV Acquired: 6/4/2013 5:36:29 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	964.98	23976.	481.94	4872.0	1900.7	1876.7	49903.
Stddev	1.94	75.	2.03	9.4	8.3	10.0	203.
%RSD	.20099	.31403	.42216	.19361	.43462	.53393	.40751

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	489.3	1907.2	1819.5	1818.3	23412.	50836.	4598.2
Stddev	.8	1.5	5.1	5.2	145.	193.	23.9
%RSD	.1565	.07605	.28281	.28599	.61738	.37867	.52068

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	46877.	F 1723.0	1836.3	48406.	1917.3	455.97	480.8
Stddev	289.	1.4	3.0	110.	2.4	1.31	1.2
%RSD	.61573	.08287	.16563	.22677	.12414	.28799	.2469

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		2000.0					
Range		-10.500%					

Sample Name: CCV Acquired: 6/4/2013 5:36:29 Type: QC
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	459.00	5002.6	4489.6	957.36	1954.0	1968.3	5212.7
Stddev	2.80	13.0	21.7	2.55	9.7	5.1	44.8
%RSD	.60978	.26012	.48332	.26682	.49471	.25899	.85959

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	5004.5
Stddev	17.7
%RSD	.35385

Check ?	Chk Pass
Value	
Range	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6929.3	5756.5	58371.	10404.
Stddev	15.6	6.0	132.	54.
%RSD	.22529	.10376	.22621	.51461

Sample Name: CCB Acquired: 6/4/2013 5:40:25 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.50391	-.05969	.60022	3.6902	.46113	.36930	30.732
Stddev	.11681	24.219	.69507	4.0403	.11976	.07559	2.521
%RSD	23.181	40574.	115.80	109.49	25.970	20.468	8.2022

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1186	.92247	-.08179	F 8.2652	7.2331	48.589	-1.1348
Stddev	.5007	1.2967	.02195	.1134	1.3752	38.576	.9818
%RSD	422.0	140.57	26.834	1.3721	19.012	79.392	86.513

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				5.0000			
Low Limit				-5.0000			

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12.651	-.34799	2.3107	63.407	.30943	.08419	-1.293
Stddev	10.041	.02193	1.3695	10.450	1.1194	.62345	.459
%RSD	79.372	6.3026	59.269	16.481	361.77	740.55	35.50

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: CCB Acquired: 6/4/2013 5:40:25 Type: QC
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.2749	3.9209	.83757	1.1923	.51853	1.4820	9.4981
Stddev	1.1332	3.6615	.15442	.3636	.88433	1.4307	1.2795
%RSD	88.886	93.383	18.437	30.499	170.55	96.541	13.471

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	-1.1816
Stddev	.9032
%RSD	76.435

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	8005.8	6041.7	62286.	10558.
Stddev	17.9	17.2	215.	64.
%RSD	.22313	.28480	.34522	.60702

Sample Name: CRILL Acquired: 6/4/2013 5:44:28 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179	Cd2288
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.8213	175.29	9.4619	184.58	187.48	4.5018	4934.3	1.805
Stddev	.0700	5.90	.7918	.19	.53	.0473	5.5	.104
%RSD	1.4511	3.3674	8.3683	.10360	.28124	1.0495	.11078	5.762

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790	Mn2576
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.4389	4.0440	31.543	95.184	4933.8	43.628	4681.1	12.689
Stddev	.2675	.3446	.197	1.657	20.5	.346	30.0	.037
%RSD	4.1545	8.5212	.62345	1.7412	.41546	.79229	.64119	.28928

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2175	Se1960	Sn1899	Ti3372
IS Ref	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.3314	4735.2	36.201	2.7441	8.949	3.5540	94.552	43.712
Stddev	.2126	5.9	.166	.5897	.682	.9246	.495	.194
%RSD	2.2783	.12493	.45856	21.488	7.625	26.015	.52403	.44268

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: CRILL Acquired: 6/4/2013 5:44:28 Type: QC
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Tl1908	V_2908	Zn2062	Si2516	Sr3464
IS Ref	(In2306)	(Y_3710)	(In2306)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb
Avg	9.5407	7.6171	17.274	494.88	49.828
Stddev	1.0726	1.8630	.020	2.73	.998
%RSD	11.243	24.457	.11620	.55114	2.0027

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7794.4	6010.7	61468.	10511.
Stddev	21.6	11.4	73.	41.
%RSD	.27717	.18994	.11829	.38698

Sample Name: ICSA Acquired: 6/4/2013 5:48:18 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.17162	480000.	1.8970	-2.4512	.39202	-.67593	466910.
Stddev	.25498	2718.	.9046	.3325	.10295	.05067	6930.
%RSD	148.57	.56621	47.688	13.563	26.263	7.4956	1.4841

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4503	-.72570	2.4142	4.5539	173320.	74.793	-36.942
Stddev	.2456	.43471	.2221	.6465	1582.	37.538	1.493
%RSD	54.54	59.903	9.2021	14.196	.91271	50.189	4.0415

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	469690.	1.4957	.17663	124.49	.64686	.92716	-3.935
Stddev	2748.	.0718	.34563	9.56	.12670	.35752	1.511
%RSD	.58508	4.8000	195.67	7.6754	19.587	38.561	38.40

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: ICSA Acquired: 6/4/2013 5:48:18 Type: QC
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Tl1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F -15.303	3.4508	-.68548	2.1654	.30769	7.7659	-5.6684
Stddev	4.382	.7249	.11213	.6137	2.4378	.0379	2.5177
%RSD	28.632	21.008	16.358	28.341	792.31	.48794	44.417

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000						
Low Limit	-10.000						

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	6.2818
Stddev	1.1666
%RSD	18.571

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6032.0	5282.0	52188.	9788.7
Stddev	10.7	11.2	80.	101.4
%RSD	.17727	.21165	.15388	1.0355

Sample Name: ICSAB Acquired: 6/4/2013 5:52:23 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1029.3	482350.	947.45	470.96	461.08	451.86	465080.
Stddev	1.0	1208.	4.06	1.18	.84	.39	3276.
%RSD	.09501	.25041	.42823	.25032	.18308	.08635	.70432

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	966.1	463.09	440.33	479.65	173840.	10463.	444.21
Stddev	2.6	.62	1.20	.80	2023.	31.	1.58
%RSD	.2732	.13284	.27174	.16736	1.1639	.29477	.35587

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	471560.	429.40	868.47	10009.	929.01	817.86	942.7
Stddev	774.	1.47	1.43	14.	2.44	1.55	.3
%RSD	.16414	.34261	.16522	.14289	.26292	.18960	.0265

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Sample Name: ICSAB Acquired: 6/4/2013 5:52:23 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	876.46	494.94	453.96	894.43	465.99	963.69	9935.8
Stddev	4.67	.39	1.22	1.92	2.68	1.78	21.2
%RSD	.53236	.07796	.26920	.21496	.57524	.18469	.21315

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	1440.0
Stddev	3.4
%RSD	.23391

Check ?	Chk Pass
Value	
Range	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6020.8	5303.5	52169.	9790.4
Stddev	14.3	19.7	207.	57.2
%RSD	.23799	.37137	.39674	.58449

Sample Name: CCV Acquired: 6/4/2013 5:56:21 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	964.33	24203.	481.15	4867.4	1900.7	1888.9	50505.
Stddev	.89	88.	2.14	4.8	2.8	3.3	35.
%RSD	.09259	.36417	.44552	.09765	.14947	.17373	.07007

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	489.2	1911.3	1823.0	1814.0	23643.	51167.	4595.6
Stddev	.7	2.4	7.3	2.7	52.	74.	11.7
%RSD	.1381	.12767	.39851	.14904	.22191	.14492	.25452

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47735.	F 1722.4	1834.1	48615.	1919.7	459.47	481.6
Stddev	135.	5.3	2.4	39.	3.3	.25	1.8
%RSD	.28183	.30864	.13266	.08099	.17359	.05337	.3787

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		2000.0					
Range		-10.500%					

Sample Name: CCV Acquired: 6/4/2013 5:56:21 Type: QC
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	458.96	5011.5	4513.8	959.94	1966.1	1980.3	5270.4
Stddev	1.50	14.6	12.7	.56	2.7	2.8	65.2
%RSD	.32732	.29169	.28054	.05847	.13608	.14075	1.2365

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	5038.8
Stddev	15.5
%RSD	.30836

Check ?	Chk Pass
Value	
Range	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6910.3	5745.0	58322.	10147.
Stddev	17.9	6.9	76.	53.
%RSD	.25911	.11946	.13015	.51980

Sample Name: CCB Acquired: 6/4/2013 6:00:16 Type: QC
Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
User: Roger Method: 6010B/6010C Method: 200.7 :
Comment:

Elem	Ag3280	Al3082	As1890	B_1826	Ba4554	Be3130	Ca3179
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.29842	35.063	.23008	6.2636	.66816	.48128	56.544
Stddev	.17749	13.717	.46709	5.8681	.04543	.08979	3.977
%RSD	59.477	39.120	203.01	93.686	6.7990	18.656	7.0329

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3827	1.4450	-.01613	F 8.2720	16.343	49.814	.50040
Stddev	.5878	2.0912	.15938	.9225	1.075	15.648	.85565
%RSD	153.6	144.72	988.22	11.152	6.5768	31.413	170.99

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				5.0000			
Low Limit				-5.0000			

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2175
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	43.854	-.11569	3.2291	54.299	1.0831	-.60875	.9363
Stddev	4.745	.16257	2.4984	3.366	2.2419	1.2570	.7796
%RSD	10.820	140.52	77.369	6.1990	207.00	206.50	83.26

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: CCB Acquired: 6/4/2013 6:00:16 Type: QC
 Method: Standard Method + IEC Checks(v169) Mode: CONC Corr. Factor: 1.000000
 User: Roger Method: 6010B/6010C Method: 200.7 :
 Comment:

Elem	Se1960	Sn1899	Ti3372	Ti1908	V_2908	Zn2062	Si2516
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)	(Y_3710)	(In2306)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.63494	5.3054	1.3533	1.3971	1.1627	2.0875	4.5350
Stddev	1.9333	6.1561	.4506	1.6197	.4613	2.2234	1.7035
%RSD	304.48	116.04	33.296	115.93	39.678	106.51	37.563

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr3464
IS Ref	(Y_3710)
Units	ppb
Avg	-.58406
Stddev	2.9141
%RSD	498.93

Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7978.4	6023.7	61769.	10276.
Stddev	37.6	33.7	334.	18.
%RSD	.47112	.55985	.54037	.17121

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Batch Number: 87262 Batch Start Date: 05/24/13 10:22 Batch Analyst: Elshaw, DaleBatch Method: 3050B Batch End Date: 05/24/13 17:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	MT1T01HN03 00492	MTAGSPIKEW 00029	MTH202 00018
MB 240-87262/1		3050B, 6010B		CALC NOT SET TO RUN	1.00 g	100 mL	10 mL		10 mL
LCS 240-87262/2		3050B, 6010B		CALC NOT SET TO RUN	1.00 g	100 mL	10 mL	2 mL	10 mL
240-24831-C-17	LLI01-24SW-0005- SSXX	3050B, 6010B	T	CALC NOT SET TO RUN	1.11 g	100 mL	10 mL		10 mL
240-24831-C-17 MS	LLI01-24SW-0005- SSXX	3050B, 6010B	T	CALC NOT SET TO RUN	1.15 g	100 mL	10 mL	2 mL	10 mL
240-24831-C-17 MSD	LLI01-24SW-0005- SSXX	3050B, 6010B	T	CALC NOT SET TO RUN	1.15 g	100 mL	10 mL	2 mL	10 mL
240-24831-B-1	LLI01-41NW-0005- SSXX	3050B, 6010B	T	CALC NOT SET TO RUN	1.07 g	100 mL	10 mL		10 mL
240-24831-B-2	LLI01-41NW-0502- SSXX	3050B, 6010B	T	CALC NOT SET TO RUN	1.03 g	100 mL	10 mL		10 mL
240-24831-B-3	LLI01-41NW-0205- SSXX	3050B, 6010B	T	CALC NOT SET TO RUN	1.20 g	100 mL	10 mL		10 mL
240-24831-B-4	LLI01-41SW-0005- SSXX	3050B, 6010B	T	CALC NOT SET TO RUN	1.26 g	100 mL	10 mL		10 mL
240-24831-B-5	LLI01-41SW-0502- SSXX	3050B, 6010B	T	CALC NOT SET TO RUN	1.04 g	100 mL	10 mL		10 mL
240-24831-B-6	LLI01-41SW-0205- SSXX	3050B, 6010B	T	CALC NOT SET TO RUN	1.14 g	100 mL	10 mL		10 mL
240-24831-B-7	LLI01-33NW-0005- SSXX	3050B, 6010B	T	CALC NOT SET TO RUN	1.12 g	100 mL	10 mL		10 mL
240-24831-B-8	LLI01-33NW-0502- SSXX	3050B, 6010B	T	CALC NOT SET TO RUN	1.10 g	100 mL	10 mL		10 mL
240-24831-B-9	LLI01-33NW-0205- SSXX	3050B, 6010B	T	CALC NOT SET TO RUN	1.09 g	100 mL	10 mL		10 mL
240-24831-B-10	LLI01-32SE-0005- SSXX	3050B, 6010B	T	CALC NOT SET TO RUN	1.09 g	100 mL	10 mL		10 mL
240-24831-B-11	LLI01-32SE-0502- SSXX	3050B, 6010B	T	CALC NOT SET TO RUN	1.14 g	100 mL	10 mL		10 mL
240-24831-B-12	LLI01-32SE-0205- SSXX	3050B, 6010B	T	CALC NOT SET TO RUN	1.14 g	100 mL	10 mL		10 mL
240-24831-B-13	LLI01-24SE-0005- SSXX	3050B, 6010B	T	CALC NOT SET TO RUN	1.09 g	100 mL	10 mL		10 mL
240-24831-B-14	LLI01-24SE-0502- SSXX	3050B, 6010B	T	CALC NOT SET TO RUN	1.13 g	100 mL	10 mL		10 mL
240-24831-B-15	LLI01-24SE-0205- SSXX	3050B, 6010B	T	CALC NOT SET TO RUN	1.01 g	100 mL	10 mL		10 mL
240-24831-B-16	LLI01-24SE-DUP1- SSXX	3050B, 6010B	T	CALC NOT SET TO RUN	1.15 g	100 mL	10 mL		10 mL

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Batch Number: 87262 Batch Start Date: 05/24/13 10:22 Batch Analyst: Elshaw, DaleBatch Method: 3050B Batch End Date: 05/24/13 17:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	MT1T01HN03 00492	MTAGSPIKEW 00029	MTH202 00018
240-24831-B-18	LLI01-24SW-0502-SSXX	3050B, 6010B	T	CALC NOT SET TO RUN	1.08 g	100 mL	10 mL		10 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	MTICP1 00022	MTICP2A 00027	MTTMHCL 00005	MTTMHNO3 00009		
MB 240-87262/1		3050B, 6010B				10 mL	5 mL		
LCS 240-87262/2		3050B, 6010B		2 mL	2 mL	10 mL	5 mL		
240-24831-C-17	LLI01-24SW-0005-SSXX	3050B, 6010B	T			10 mL	5 mL		
240-24831-C-17 MS	LLI01-24SW-0005-SSXX	3050B, 6010B	T	2 mL	2 mL	10 mL	5 mL		
240-24831-C-17 MSD	LLI01-24SW-0005-SSXX	3050B, 6010B	T	2 mL	2 mL	10 mL	5 mL		
240-24831-B-1	LLI01-41NW-0005-SSXX	3050B, 6010B	T			10 mL	5 mL		
240-24831-B-2	LLI01-41NW-0502-SSXX	3050B, 6010B	T			10 mL	5 mL		
240-24831-B-3	LLI01-41NW-0205-SSXX	3050B, 6010B	T			10 mL	5 mL		
240-24831-B-4	LLI01-41SW-0005-SSXX	3050B, 6010B	T			10 mL	5 mL		
240-24831-B-5	LLI01-41SW-0502-SSXX	3050B, 6010B	T			10 mL	5 mL		
240-24831-B-6	LLI01-41SW-0205-SSXX	3050B, 6010B	T			10 mL	5 mL		
240-24831-B-7	LLI01-33NW-0005-SSXX	3050B, 6010B	T			10 mL	5 mL		
240-24831-B-8	LLI01-33NW-0502-SSXX	3050B, 6010B	T			10 mL	5 mL		
240-24831-B-9	LLI01-33NW-0205-SSXX	3050B, 6010B	T			10 mL	5 mL		
240-24831-B-10	LLI01-32SE-0005-SSXX	3050B, 6010B	T			10 mL	5 mL		
240-24831-B-11	LLI01-32SE-0502-SSXX	3050B, 6010B	T			10 mL	5 mL		
240-24831-B-12	LLI01-32SE-0205-SSXX	3050B, 6010B	T			10 mL	5 mL		
240-24831-B-13	LLI01-24SE-0005-SSXX	3050B, 6010B	T			10 mL	5 mL		
240-24831-B-14	LLI01-24SE-0502-SSXX	3050B, 6010B	T			10 mL	5 mL		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Batch Number: 87262 Batch Start Date: 05/24/13 10:22 Batch Analyst: Elshaw, DaleBatch Method: 3050B Batch End Date: 05/24/13 17:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	MTICP1 00022	MTICP2A 00027	MTTMHCL 00005	MTTMHNO3 00009		
240-24831-B-15	LLI01-24SE-0205-SSXX	3050B, 6010B	T			10 mL	5 mL		
240-24831-B-16	LLI01-24SE-DUP1-SSXX	3050B, 6010B	T			10 mL	5 mL		
240-24831-B-18	LLI01-24SW-0502-SSXX	3050B, 6010B	T			10 mL	5 mL		

Batch Notes	
Balance ID	b039
Blank Soil Lot Number	g228-2i025
Filter Paper Lot Number	9453113
Hot Block ID number	a1 a2
Pipette ID	383366-383389
Digestion Tube/Cup Lot #	130317

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

6010B

Page 3 of 3

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Batch Number: 87268 Batch Start Date: 05/24/13 10:56 Batch Analyst: Elshaw, DaleBatch Method: 3050B Batch End Date: 05/24/13 17:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	MT1T01HN03 00492	MTAGSPIKEW 00029	MTH202 00018
MB 240-87268/1		3050B, 6010B		CALC NOT SET TO RUN	1.00 g	100 mL	10 mL		10 mL
LCS 240-87268/2		3050B, 6010B		CALC NOT SET TO RUN	1.00 g	100 mL	10 mL	2 mL	10 mL
240-24831-B-19	LLI01-24SW-0205- SSXX	3050B, 6010B	T	CALC NOT SET TO RUN	1.02 g	100 mL	10 mL		10 mL
240-24831-B-19 MS	LLI01-24SW-0205- SSXX	3050B, 6010B	T	CALC NOT SET TO RUN	1.07 g	100 mL	10 mL	2 mL	10 mL
240-24831-B-19 MSD	LLI01-24SW-0205- SSXX	3050B, 6010B	T	CALC NOT SET TO RUN	1.07 g	100 mL	10 mL	2 mL	10 mL
240-24831-B-20	LLI01-26SW-0005- SSXX	3050B, 6010B	T	CALC NOT SET TO RUN	1.09 g	100 mL	10 mL		10 mL
240-24831-B-21	LLI01-26SW-0502- SSXX	3050B, 6010B	T	CALC NOT SET TO RUN	1.11 g	100 mL	10 mL		10 mL
240-24831-B-22	LLI01-26SW-0205- SSXX	3050B, 6010B	T	CALC NOT SET TO RUN	1.05 g	100 mL	10 mL		10 mL
240-24831-B-23	LLI01-26NE-0005- SSXX	3050B, 6010B	T	CALC NOT SET TO RUN	1.09 g	100 mL	10 mL		10 mL
240-24831-B-24	LLI01-26NE-0502- SSXX	3050B, 6010B	T	CALC NOT SET TO RUN	1.04 g	100 mL	10 mL		10 mL
240-24831-B-25	LLI01-26NE-0205- SSXX	3050B, 6010B	T	CALC NOT SET TO RUN	1.18 g	100 mL	10 mL		10 mL
240-24831-B-26	LLI01-34SE-0005- SSXX	3050B, 6010B	T	CALC NOT SET TO RUN	1.04 g	100 mL	10 mL		10 mL
240-24831-B-27	LLI01-34SE-0502- SSXX	3050B, 6010B	T	CALC NOT SET TO RUN	1.25 g	100 mL	10 mL		10 mL
240-24831-B-28	LLI01-34NE-0005- SSXX	3050B, 6010B	T	CALC NOT SET TO RUN	1.31 g	100 mL	10 mL		10 mL
240-24831-B-29	LLI01-34NE-0502- SSXX	3050B, 6010B	T	CALC NOT SET TO RUN	1.27 g	100 mL	10 mL		10 mL
240-24831-B-30	LLI01-34NE-0205- SSXX	3050B, 6010B	T	CALC NOT SET TO RUN	1.04 g	100 mL	10 mL		10 mL
240-24831-B-31	LLI01-34NE-DUP2- SSXX	3050B, 6010B	T	CALC NOT SET TO RUN	1.10 g	100 mL	10 mL		10 mL
240-24831-B-32	LLI01-64NW-0005- SSXX	3050B, 6010B	T	CALC NOT SET TO RUN	1.18 g	100 mL	10 mL		10 mL
240-24831-B-33	LLI01-64NW-0502- SSXX	3050B, 6010B	T	CALC NOT SET TO RUN	1.09 g	100 mL	10 mL		10 mL
240-24831-B-34	LLI01-64NW-0205- SSXX	3050B, 6010B	T	CALC NOT SET TO RUN	1.12 g	100 mL	10 mL		10 mL
240-24831-B-35	LLI01-DUP4-XXXX- SSXX	3050B, 6010B	T	CALC NOT SET TO RUN	1.28 g	100 mL	10 mL		10 mL

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Batch Number: 87268 Batch Start Date: 05/24/13 10:56 Batch Analyst: Elshaw, Dale

Batch Method: 3050B Batch End Date: 05/24/13 17:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	MT1TO1HN03 00492	MTAGSPIKEW 00029	MTH202 00018
240-24831-B-36	LLI01-72SW-0005-SSXX	3050B, 6010B	T	CALC NOT SET TO RUN	1.09 g	100 mL	10 mL		10 mL
240-24831-B-37	LLI01-72SW-0502-SSXX	3050B, 6010B	T	CALC NOT SET TO RUN	1.19 g	100 mL	10 mL		10 mL
240-24831-B-38	LLI01-72SW-0205-SSXX	3050B, 6010B	T	CALC NOT SET TO RUN	1.29 g	100 mL	10 mL		10 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	MTICP1 00022	MTICP2A 00027	MTTMHCL 00005	MTTMHNO3 00009		
MB 240-87268/1		3050B, 6010B				10 mL	5 mL		
LCS 240-87268/2		3050B, 6010B		2 mL	2 mL	10 mL	5 mL		
240-24831-B-19	LLI01-24SW-0205-SSXX	3050B, 6010B	T			10 mL	5 mL		
240-24831-B-19	LLI01-24SW-0205-SSXX	3050B, 6010B	T	2 mL	2 mL	10 mL	5 mL		
240-24831-B-19	LLI01-24SW-0205-SSXX	3050B, 6010B	T	2 mL	2 mL	10 mL	5 mL		
240-24831-B-20	LLI01-26SW-0005-SSXX	3050B, 6010B	T			10 mL	5 mL		
240-24831-B-21	LLI01-26SW-0502-SSXX	3050B, 6010B	T			10 mL	5 mL		
240-24831-B-22	LLI01-26SW-0205-SSXX	3050B, 6010B	T			10 mL	5 mL		
240-24831-B-23	LLI01-26NE-0005-SSXX	3050B, 6010B	T			10 mL	5 mL		
240-24831-B-24	LLI01-26NE-0502-SSXX	3050B, 6010B	T			10 mL	5 mL		
240-24831-B-25	LLI01-26NE-0205-SSXX	3050B, 6010B	T			10 mL	5 mL		
240-24831-B-26	LLI01-34SE-0005-SSXX	3050B, 6010B	T			10 mL	5 mL		
240-24831-B-27	LLI01-34SE-0502-SSXX	3050B, 6010B	T			10 mL	5 mL		
240-24831-B-28	LLI01-34NE-0005-SSXX	3050B, 6010B	T			10 mL	5 mL		
240-24831-B-29	LLI01-34NE-0502-SSXX	3050B, 6010B	T			10 mL	5 mL		
240-24831-B-30	LLI01-34NE-0205-SSXX	3050B, 6010B	T			10 mL	5 mL		
240-24831-B-31	LLI01-34NE-DUP2-SSXX	3050B, 6010B	T			10 mL	5 mL		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Batch Number: 87268 Batch Start Date: 05/24/13 10:56 Batch Analyst: Elshaw, DaleBatch Method: 3050B Batch End Date: 05/24/13 17:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	MTICP1 00022	MTICP2A 00027	MTTMHCL 00005	MTTMHNO3 00009		
240-24831-B-32	LLI01-64NW-0005-SSXX	3050B, 6010B	T			10 mL	5 mL		
240-24831-B-33	LLI01-64NW-0502-SSXX	3050B, 6010B	T			10 mL	5 mL		
240-24831-B-34	LLI01-64NW-0205-SSXX	3050B, 6010B	T			10 mL	5 mL		
240-24831-B-35	LLI01-DUP4-XXXX-SSXX	3050B, 6010B	T			10 mL	5 mL		
240-24831-B-36	LLI01-72SW-0005-SSXX	3050B, 6010B	T			10 mL	5 mL		
240-24831-B-37	LLI01-72SW-0502-SSXX	3050B, 6010B	T			10 mL	5 mL		
240-24831-B-38	LLI01-72SW-0205-SSXX	3050B, 6010B	T			10 mL	5 mL		

Batch Notes	
Balance ID	b039
Blank Soil Lot Number	g228-2i025
Filter Paper Lot Number	9453113
Hot Block ID number	a1 a2
Pipette ID	383366-383389
Digestion Tube/Cup Lot #	130317

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Batch Number: 87274 Batch Start Date: 05/24/13 11:46 Batch Analyst: Elshaw, DaleBatch Method: 3050B Batch End Date: 05/24/13 17:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	MT1T01HN03 00492	MTAGSPIKEW 00029	MTH202 00018
MB 240-87274/1		3050B, 6010B		CALC NOT SET TO RUN	1.00 g	100 mL	10 mL		10 mL
LCS 240-87274/2		3050B, 6010B		CALC NOT SET TO RUN	1.00 g	100 mL	10 mL	2 mL	10 mL
240-24831-D-41	LLI01-70NE-0205- SSXX	3050B, 6010B	T	CALC NOT SET TO RUN	1.06 g	100 mL	10 mL		10 mL
240-24831-D-41 MS	LLI01-70NE-0205- SSXX	3050B, 6010B	T	CALC NOT SET TO RUN	1.03 g	100 mL	10 mL	2 mL	10 mL
240-24831-D-41 MSD	LLI01-70NE-0205- SSXX	3050B, 6010B	T	CALC NOT SET TO RUN	1.03 g	100 mL	10 mL	2 mL	10 mL
240-24831-B-39	LLI01-70NE-0005- SSXX	3050B, 6010B	T	CALC NOT SET TO RUN	1.18 g	100 mL	10 mL		10 mL
240-24831-B-40	LLI01-70NE-0502- SSXX	3050B, 6010B	T	CALC NOT SET TO RUN	1.19 g	100 mL	10 mL		10 mL
240-24831-B-42	LLI01-70NW-0005- SSXX	3050B, 6010B	T	CALC NOT SET TO RUN	1.06 g	100 mL	10 mL		10 mL
240-24831-B-43	LLI01-70NW-0502- SSXX	3050B, 6010B	T	CALC NOT SET TO RUN	1.04 g	100 mL	10 mL		10 mL
240-24831-B-44	LLI01-70NW-0205- SSXX	3050B, 6010B	T	CALC NOT SET TO RUN	1.13 g	100 mL	10 mL		10 mL
240-24831-B-45	LLI01-DUP3-XXXX- SSXX	3050B, 6010B	T	CALC NOT SET TO RUN	1.31 g	100 mL	10 mL		10 mL
240-24831-B-46	LLI01-70SW-0005- SSXX	3050B, 6010B	T	CALC NOT SET TO RUN	1.04 g	100 mL	10 mL		10 mL
240-24831-B-47	LLI01-70SW-0502- SSXX	3050B, 6010B	T	CALC NOT SET TO RUN	1.18 g	100 mL	10 mL		10 mL
240-24831-B-48	LLI01-70SW-0205- SSXX	3050B, 6010B	T	CALC NOT SET TO RUN	1.17 g	100 mL	10 mL		10 mL
240-24831-B-49	LLI01-31SW-0005- SSXX	3050B, 6010B	T	CALC NOT SET TO RUN	1.06 g	100 mL	10 mL		10 mL
240-24831-B-50	LLI01-31SW-0502- SSXX	3050B, 6010B	T	CALC NOT SET TO RUN	1.24 g	100 mL	10 mL		10 mL
240-24831-B-51	LLI01-23SW-0005- SSXX	3050B, 6010B	T	CALC NOT SET TO RUN	1.18 g	100 mL	10 mL		10 mL
240-24831-B-52	LLI01-23SW-0502- SSXX	3050B, 6010B	T	CALC NOT SET TO RUN	1.34 g	100 mL	10 mL		10 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	MTICP1 00022	MTICP2A 00027	MTTMHCL 00005	MTTMHNO3 00009		
MB 240-87274/1		3050B, 6010B				10 mL	5 mL		
LCS 240-87274/2		3050B, 6010B		2 mL	2 mL	10 mL	5 mL		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Batch Number: 87274 Batch Start Date: 05/24/13 11:46 Batch Analyst: Elshaw, DaleBatch Method: 3050B Batch End Date: 05/24/13 17:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	MTICP1 00022	MTICP2A 00027	MTTMHCL 00005	MTTMHNO3 00009		
240-24831-D-41	LLI01-70NE-0205-SSXX	3050B, 6010B	T			10 mL	5 mL		
240-24831-D-41 MS	LLI01-70NE-0205-SSXX	3050B, 6010B	T	2 mL	2 mL	10 mL	5 mL		
240-24831-D-41 MSD	LLI01-70NE-0205-SSXX	3050B, 6010B	T	2 mL	2 mL	10 mL	5 mL		
240-24831-B-39	LLI01-70NE-0005-SSXX	3050B, 6010B	T			10 mL	5 mL		
240-24831-B-40	LLI01-70NE-0502-SSXX	3050B, 6010B	T			10 mL	5 mL		
240-24831-B-42	LLI01-70NW-0005-SSXX	3050B, 6010B	T			10 mL	5 mL		
240-24831-B-43	LLI01-70NW-0502-SSXX	3050B, 6010B	T			10 mL	5 mL		
240-24831-B-44	LLI01-70NW-0205-SSXX	3050B, 6010B	T			10 mL	5 mL		
240-24831-B-45	LLI01-DUP3-XXXX-SSXX	3050B, 6010B	T			10 mL	5 mL		
240-24831-B-46	LLI01-70SW-0005-SSXX	3050B, 6010B	T			10 mL	5 mL		
240-24831-B-47	LLI01-70SW-0502-SSXX	3050B, 6010B	T			10 mL	5 mL		
240-24831-B-48	LLI01-70SW-0205-SSXX	3050B, 6010B	T			10 mL	5 mL		
240-24831-B-49	LLI01-31SW-0005-SSXX	3050B, 6010B	T			10 mL	5 mL		
240-24831-B-50	LLI01-31SW-0502-SSXX	3050B, 6010B	T			10 mL	5 mL		
240-24831-B-51	LLI01-23SW-0005-SSXX	3050B, 6010B	T			10 mL	5 mL		
240-24831-B-52	LLI01-23SW-0502-SSXX	3050B, 6010B	T			10 mL	5 mL		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

6010B

Page 2 of 3

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Batch Number: 87274 Batch Start Date: 05/24/13 11:46 Batch Analyst: Elshaw, DaleBatch Method: 3050B Batch End Date: 05/24/13 17:30

Batch Notes	
Balance ID	b039
Blank Soil Lot Number	g228-2i025
Filter Paper Lot Number	9453113
Hot Block ID number	c3
Pipette ID	383366-383389
Digestion Tube/Cup Lot #	130317

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-24831-1
SDG No.: _____
Project: H+C Power Plant, Lake Linden, MI

Client Sample ID	Lab Sample ID
LLI01-41NW-0005-SSXX	240-24831-1
LLI01-41NW-0502-SSXX	240-24831-2
LLI01-41NW-0205-SSXX	240-24831-3
LLI01-41SW-0005-SSXX	240-24831-4
LLI01-41SW-0502-SSXX	240-24831-5
LLI01-41SW-0205-SSXX	240-24831-6
LLI01-33NW-0005-SSXX	240-24831-7
LLI01-33NW-0502-SSXX	240-24831-8
LLI01-33NW-0205-SSXX	240-24831-9
LLI01-32SE-0005-SSXX	240-24831-10
LLI01-32SE-0502-SSXX	240-24831-11
LLI01-32SE-0205-SSXX	240-24831-12
LLI01-24SE-0005-SSXX	240-24831-13
LLI01-24SE-0502-SSXX	240-24831-14
LLI01-24SE-0205-SSXX	240-24831-15
LLI01-24SE-DUP1-SSXX	240-24831-16
LLI01-24SW-0005-SSXX	240-24831-17
LLI01-24SW-0502-SSXX	240-24831-18
LLI01-24SW-0205-SSXX	240-24831-19
LLI01-26SW-0005-SSXX	240-24831-20
LLI01-26SW-0502-SSXX	240-24831-21
LLI01-26SW-0205-SSXX	240-24831-22
LLI01-26NE-0005-SSXX	240-24831-23
LLI01-26NE-0502-SSXX	240-24831-24
LLI01-26NE-0205-SSXX	240-24831-25
LLI01-34SE-0005-SSXX	240-24831-26
LLI01-34SE-0502-SSXX	240-24831-27
LLI01-34NE-0005-SSXX	240-24831-28
LLI01-34NE-0502-SSXX	240-24831-29
LLI01-34NE-0205-SSXX	240-24831-30
LLI01-34NE-DUP2-SSXX	240-24831-31
LLI01-64NW-0005-SSXX	240-24831-32
LLI01-64NW-0502-SSXX	240-24831-33
LLI01-64NW-0205-SSXX	240-24831-34
LLI01-DUP4-XXXX-SSXX	240-24831-35
LLI01-72SW-0005-SSXX	240-24831-36
LLI01-72SW-0502-SSXX	240-24831-37
LLI01-72SW-0205-SSXX	240-24831-38
LLI01-70NE-0005-SSXX	240-24831-39
LLI01-70NE-0502-SSXX	240-24831-40
LLI01-70NE-0205-SSXX	240-24831-41
LLI01-70NW-0005-SSXX	240-24831-42
LLI01-70NW-0502-SSXX	240-24831-43
LLI01-70NW-0205-SSXX	240-24831-44
LLI01-DUP3-XXXX-SSXX	240-24831-45

Comments:

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-24831-1

SDG No.: _____

Project: H+C Power Plant, Lake Linden, MI

Client Sample ID	Lab Sample ID
<u>LLI01-70SW-0005-SSXX</u>	<u>240-24831-46</u>
<u>LLI01-70SW-0502-SSXX</u>	<u>240-24831-47</u>
<u>LLI01-70SW-0205-SSXX</u>	<u>240-24831-48</u>
<u>LLI01-31SW-0005-SSXX</u>	<u>240-24831-49</u>
<u>LLI01-31SW-0502-SSXX</u>	<u>240-24831-50</u>
<u>LLI01-23SW-0005-SSXX</u>	<u>240-24831-51</u>
<u>LLI01-23SW-0502-SSXX</u>	<u>240-24831-52</u>

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-24831-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: Moisture RL Date: 01/28/2010 09:24

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-24831-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: Moisture XRL Date: 01/28/2010 09:24

Analyte	Wavelength/ Mass	XRL (mg/L)	
Percent Moisture		10	
Percent Solids		10	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Job No.: 240-24831-1

Method: Moisture

End Date: 05/24/2013 14:07

[illegible]

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Instrument ID: NOEQUIP Method: Moisture

Start Date: 05/24/2013 14:07 End Date: 05/24/2013 14:07

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				% S o l	M o i s t																
240-24831-15	1	T	14:07	X	X																
240-24831-16	1	T	14:07	X	X																
240-24831-18	1	T	14:07	X	X																
240-24831-19	1	T	14:07	X	X																
240-24831-20	1	T	14:07	X	X																
240-24831-21	1	T	14:07	X	X																
240-24831-22	1	T	14:07	X	X																
240-24831-23	1	T	14:07	X	X																
240-24831-28 DU	1	T	14:07	X	X																
240-24831-28	1	T	14:07	X	X																
240-24831-25	1	T	14:07	X	X																
240-24831-26	1	T	14:07	X	X																
240-24831-27	1	T	14:07	X	X																
240-24831-24	1	T	14:07	X	X																
240-24831-29	1	T	14:07	X	X																
240-24831-30	1	T	14:07	X	X																
240-24831-31	1	T	14:07	X	X																
240-24831-32	1	T	14:07	X	X																
240-24831-33 DU	1	T	14:07	X	X																
240-24831-33	1	T	14:07	X	X																
240-24831-34	1	T	14:07	X	X																
240-24831-35	1	T	14:07	X	X																
240-24831-36	1	T	14:07	X	X																
240-24831-37	1	T	14:07	X	X																
240-24831-38	1	T	14:07	X	X																
240-24831-39	1	T	14:07	X	X																
240-24831-40	1	T	14:07	X	X																
240-24831-42	1	T	14:07	X	X																
240-24831-41 DU	1	T	14:07	X	X																
240-24831-41	1	T	14:07	X	X																
240-24831-43	1	T	14:07	X	X																
240-24831-44	1	T	14:07	X	X																
240-24831-45	1	T	14:07	X	X																
240-24831-46	1	T	14:07	X	X																
240-24831-47	1	T	14:07	X	X																
240-24831-48	1	T	14:07	X	X																
240-24831-49	1	T	14:07	X	X																
240-24831-50	1	T	14:07	X	X																
240-24831-51 DU	1	T	14:07	X	X																
240-24831-51	1	T	14:07	X	X																
240-24831-52	1	T	14:07	X	X																
ZZZZZZ			14:07																		

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Instrument ID: NOEQUIP Method: Moisture

Start Date: 05/24/2013 14:07 End Date: 05/24/2013 14:07

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				% S o l	M o i s t																
ZZZZZZ			14:07																		
ZZZZZZ			14:07																		
ZZZZZZ			14:07																		
ZZZZZZ			14:07																		
ZZZZZZ			14:07																		
ZZZZZZ			14:07																		
ZZZZZZ			14:07																		
ZZZZZZ			14:07																		

Prep Types

T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Batch Number: 87290 Batch Start Date: 05/24/13 14:07 Batch Analyst: Politis, VesnaBatch Method: Moisture Batch End Date: 05/28/13 07:43

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
240-24831-A-1	LLI01-41NW-0005-SSXX	Moisture	T	4.4719 g	9.6184 g	8.7409 g			
240-24831-A-2	LLI01-41NW-0502-SSXX	Moisture	T	4.4719 g	10.2357 g	9.3573 g			
240-24831-A-3	LLI01-41NW-0205-SSXX	Moisture	T	4.4719 g	11.5640 g	11.0370 g			
240-24831-A-4	LLI01-41SW-0005-SSXX	Moisture	T	4.4719 g	12.1378 g	10.8740 g			
240-24831-A-5	LLI01-41SW-0502-SSXX	Moisture	T	4.4719 g	13.7110 g	11.9217 g			
240-24831-A-6 DU	LLI01-41SW-0205-SSXX	Moisture	T	4.4719 g	11.3628 g	10.9031 g			
240-24831-A-6	LLI01-41SW-0205-SSXX	Moisture	T	4.4719 g	11.9849 g	11.2360 g			
240-24831-A-7	LLI01-33NW-0005-SSXX	Moisture	T	4.4719 g	14.5274 g	13.0021 g			
240-24831-A-8	LLI01-33NW-0502-SSXX	Moisture	T	4.4719 g	11.8190 g	10.7601 g			
240-24831-A-9	LLI01-33NW-0205-SSXX	Moisture	T	4.4719 g	23.0387 g	20.9483 g			
240-24831-A-10	LLI01-32SE-0005-SSXX	Moisture	T	4.4719 g	10.4374 g	9.5553 g			
240-24831-A-11	LLI01-32SE-0502-SSXX	Moisture	T	4.4719 g	12.0174 g	10.5475 g			
240-24831-A-12	LLI01-32SE-0205-SSXX	Moisture	T	4.4719 g	16.7540 g	14.5609 g			
240-24831-A-13	LLI01-24SE-0005-SSXX	Moisture	T	4.4719 g	14.3375 g	12.8619 g			
240-24831-A-14	LLI01-24SE-0502-SSXX	Moisture	T	4.4719 g	11.4359 g	10.2488 g			
240-24831-A-17 DU	LLI01-24SW-0005-SSXX	Moisture	T	4.4719 g	12.0140 g	10.9319 g			
240-24831-B-17	LLI01-24SW-0005-SSXX	Moisture	T	4.4719 g	12.2800 g	11.0151 g			
240-24831-A-15	LLI01-24SE-0205-SSXX	Moisture	T	4.4719 g	10.4234 g	9.4754 g			
240-24831-A-16	LLI01-24SE-DUP1-SSXX	Moisture	T	4.4719 g	11.9502 g	10.9312 g			
240-24831-A-18	LLI01-24SW-0502-SSXX	Moisture	T	4.4719 g	12.6346 g	11.0765 g			
240-24831-A-19	LLI01-24SW-0205-SSXX	Moisture	T	4.4719 g	11.1044 g	9.8074 g			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Moisture

Page 1 of 4

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Batch Number: 87290 Batch Start Date: 05/24/13 14:07 Batch Analyst: Politis, VesnaBatch Method: Moisture Batch End Date: 05/28/13 07:43

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
240-24831-A-20	LLI01-26SW-0005-SSXX	Moisture	T	4.4719 g	10.9217 g	9.6557 g			
240-24831-A-21	LLI01-26SW-0502-SSXX	Moisture	T	4.4719 g	10.8433 g	9.3080 g			
240-24831-A-22	LLI01-26SW-0205-SSXX	Moisture	T	4.4719 g	8.8004 g	8.2710 g			
240-24831-A-23	LLI01-26NE-0005-SSXX	Moisture	T	4.4719 g	9.6064 g	7.8787 g			
240-24831-A-28 DU	LLI01-34NE-0005-SSXX	Moisture	T	4.4719 g	8.9997 g	8.3425 g			
240-24831-A-28	LLI01-34NE-0005-SSXX	Moisture	T	4.4719 g	8.4208 g	7.8116 g			
240-24831-A-25	LLI01-26NE-0205-SSXX	Moisture	T	4.4719 g	11.5272 g	10.6119 g			
240-24831-A-26	LLI01-34SE-0005-SSXX	Moisture	T	4.4719 g	12.1286 g	10.8175 g			
240-24831-A-27	LLI01-34SE-0502-SSXX	Moisture	T	4.4719 g	14.1209 g	11.6891 g			
240-24831-A-24	LLI01-26NE-0502-SSXX	Moisture	T	4.4719 g	12.3902 g	11.0793 g			
240-24831-A-29	LLI01-34NE-0502-SSXX	Moisture	T	4.4719 g	9.6212 g	8.5763 g			
240-24831-A-30	LLI01-34NE-0205-SSXX	Moisture	T	4.4719 g	14.9857 g	12.5684 g			
240-24831-A-31	LLI01-34NE-DUP2-SSXX	Moisture	T	4.4719 g	8.7377 g	8.0384 g			
240-24831-A-32	LLI01-64NW-0005-SSXX	Moisture	T	4.4719 g	13.5536 g	12.1578 g			
240-24831-A-33 DU	LLI01-64NW-0502-SSXX	Moisture	T	4.4719 g	8.5158 g	7.9874 g			
240-24831-A-33	LLI01-64NW-0502-SSXX	Moisture	T	4.4719 g	9.4670 g	8.7663 g			
240-24831-A-34	LLI01-64NW-0205-SSXX	Moisture	T	4.4719 g	10.6363 g	9.6584 g			
240-24831-A-35	LLI01-DUP4-XXXX-SSXX	Moisture	T	4.4719 g	10.4323 g	9.3959 g			
240-24831-A-36	LLI01-72SW-0005-SSXX	Moisture	T	4.4719 g	10.0494 g	9.0747 g			
240-24831-A-37	LLI01-72SW-0502-SSXX	Moisture	T	4.4719 g	11.1184 g	10.3859 g			
240-24831-A-38	LLI01-72SW-0205-SSXX	Moisture	T	4.4719 g	12.2385 g	11.1337 g			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Moisture

Page 2 of 4

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Batch Number: 87290 Batch Start Date: 05/24/13 14:07 Batch Analyst: Politis, VesnaBatch Method: Moisture Batch End Date: 05/28/13 07:43

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
240-24831-A-39	LLI01-70NE-0005-SSXX	Moisture	T	4.4719 g	12.6691 g	11.1936 g			
240-24831-A-40	LLI01-70NE-0502-SSXX	Moisture	T	4.4719 g	10.7330 g	10.2396 g			
240-24831-A-42	LLI01-70NW-0005-SSXX	Moisture	T	4.4719 g	14.2086 g	12.6539 g			
240-24831-A-41	LLI01-70NE-0205-SSXX	Moisture	T	4.4719 g	12.3022 g	11.7031 g			
240-24831-B-41	LLI01-70NE-0205-SSXX	Moisture	T	4.4719 g	10.6775 g	10.1804 g			
240-24831-A-43	LLI01-70NW-0502-SSXX	Moisture	T	4.4719 g	10.5241 g	9.6298 g			
240-24831-A-44	LLI01-70NW-0205-SSXX	Moisture	T	4.4719 g	11.4641 g	10.4243 g			
240-24831-A-45	LLI01-DUP3-XXXX-SSXX	Moisture	T	4.4719 g	13.7564 g	12.2082 g			
240-24831-A-46	LLI01-70SW-0005-SSXX	Moisture	T	4.4719 g	9.3562 g	8.5600 g			
240-24831-A-47	LLI01-70SW-0502-SSXX	Moisture	T	4.4719 g	11.2765 g	10.6636 g			
240-24831-A-48	LLI01-70SW-0205-SSXX	Moisture	T	4.4719 g	16.4203 g	14.7534 g			
240-24831-A-49	LLI01-31SW-0005-SSXX	Moisture	T	4.4719 g	10.6385 g	7.7090 g			
240-24831-A-50	LLI01-31SW-0502-SSXX	Moisture	T	4.4719 g	8.8248 g	7.3641 g			
240-24831-A-51	LLI01-23SW-0005-SSXX	Moisture	T	4.4719 g	5.3393 g	4.9467 g			
240-24831-A-51	LLI01-23SW-0005-SSXX	Moisture	T	4.4719 g	6.0567 g	5.4785 g			
240-24831-A-52	LLI01-23SW-0502-SSXX	Moisture	T	4.4719 g	8.7983 g	7.5953 g			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Moisture

Page 3 of 4

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-24831-1

SDG No.: _____

Batch Number: 87290 Batch Start Date: 05/24/13 14:07 Batch Analyst: Politis, VesnaBatch Method: Moisture Batch End Date: 05/28/13 07:43

Batch Notes	
Balance ID	B047 No Unit
Date samples were placed in the oven	5/24/13
Oven Temp when samples are put in oven	102.2 Degrees C
Time samples were place in the oven	16:00
Date samples were removed from oven	5/28/13
Oven Temp when samples removed from oven	102.4 Degrees C
Time Samples were removed from oven	6:00
Oven ID	002
ID number of the thermometer	Tempguard Box C #6
Uncorrected In Temperature	100.0 Celsius

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Moisture

Shipping and Receiving Documents

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Custody Record

TAL-4142 (04/08)

Client: <u>HOWE WELLS</u>		Project Manager: <u>AMEC E+I, Inc</u>		Date: <u>5/21/13</u>	Chain of Custody Number: <u>014651</u>
Address: <u>46850 Mygellan Dr. Ste 190</u>		Telephone Number (Area Code)/Fax Number: <u> </u>		Lab Number: <u> </u>	Page: <u>1</u> of <u>5</u>
City: <u>Novi</u>	State: <u>MI</u>	Zip Code: <u>48377</u>	Site Contact: <u>Kristen Cunningham</u>	Analysis (Attach list if more space is needed)	

Lab Contact: <u>Mick Loeb</u>		Carrier/Waybill Number: <u> </u>		Special Instructions/ Conditions of Receipt
Project Name and Location (State): <u>H+C Power Plant Lake Linden, MI</u>		Contract/Purchase Order/Quote No.: <u> </u>		

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Matrix			Containers & Preservatives					Analysis				
	Aqueous	Sed	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	As	Pb	Cu	Fe
LL101-41NW-0005-SSXX													
LL101-41NW-0502-SSXX													
LL101-41NW-0205-SSXX													
LL101-41SW-0005-SSXX													
LL101-41SW-0502-SSXX													
LL101-41SW-0205-SSXX													
LL101-33NW-0005-SSXX													
LL101-33NW-0502-SSXX													
LL101-33NW-0205-SSXX													
LL101-32SE-0005-SSXX													
LL101-32SE-0502-SSXX													
LL101-32SE-0205-SSXX													

Possible Hazard Identification	Sample Disposal	QC Requirements (Specify)
<input checked="" type="checkbox"/> Non-Hazard	<input type="checkbox"/> Return To Client	1. Received By: <u> </u>
<input type="checkbox"/> Flammable	<input type="checkbox"/> Unknown	2. Received By: <u> </u>
<input type="checkbox"/> Skin Irritant	<input type="checkbox"/> Poison B	3. Received By: <u> </u>
<input type="checkbox"/> 7 Days	<input type="checkbox"/> 14 Days	
<input type="checkbox"/> 48 Hours	<input type="checkbox"/> 21 Days	
<input type="checkbox"/> 24 Hours	<input checked="" type="checkbox"/> Other: <u>Standard</u>	

Turn Around Time Required	Relinquished By	Date	Time
<input type="checkbox"/> 24 Hours	<u> </u>	<u>5/22/13</u>	<u>1631</u>
<input type="checkbox"/> 48 Hours	<u> </u>	<u> </u>	<u> </u>
<input type="checkbox"/> 7 Days	<u> </u>	<u> </u>	<u> </u>
<input type="checkbox"/> 14 Days	<u> </u>	<u> </u>	<u> </u>
<input type="checkbox"/> 21 Days	<u> </u>	<u> </u>	<u> </u>
<input checked="" type="checkbox"/> Other: <u>Standard</u>	<u> </u>	<u> </u>	<u> </u>

Comments	DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

TAL-4142 (0408)

Client	Honeywell / AMEC E&E, Inc.		Project Manager		Chain of Custody Number	014652
Address	see page 1		Telephone Number (Area Code)/Fax Number		Date	5/21/13
City	State	Zip Code	Site Contact	Lab Contact	Lab Number	Page 2 of 5

Project Name and Location (State)	Carrier/Waybill Number	Analysis (Attach list if more space is needed)
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Contract/Purchase Order/Quote No.	Containers & Preservatives	Matrix	Special Instructions/ Conditions of Receipt
-----------------------------------	----------------------------	--------	--

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH
LL101-245E-0005-SSXX	5/21/13	1552										
LL101-245E-0502-SSXX	5/21/13	1557										
LL101-245E-0305-SSXX	5/21/13	1558										
LL101-245E-DUP1-SSXX	5/21/13	1557										
LL101-245W-0005-SSXX	5/21/13	1601										
LL101-245W-0502-SSXX	5/21/13	1603										
LL101-245W-0205-SSXX	5/21/13	1604										
LL101-245W-M5XX-SSXX	5/21/13	1601										
LL101-245W-M5DX-SSXX	5/21/13	1601										
LL101-265W-0005-SSXX	5/21/13	1611										
LL101-265W-0502-SSXX	5/21/13	1612										
LL101-265W-0205-SSXX	5/21/13	1613										

Possible Hazard Identification	Sample Disposal	Archive For	Months	Disposal By Lab	Disposal By Client	Unknown	Poison B	Skin Irritant	Flammable	Non-Hazard
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Turn Around Time Required	24 Hours	48 Hours	7 Days	14 Days	21 Days	Other
---------------------------	----------	----------	--------	---------	---------	-------

1. Relinquished By	Date	Time	1. Received By	Date	Time
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Custody Record

TAL-4142 (0408)

Client	Honeywell / Amer E & E, Inc.		Project Manager		Chain of Custody Number	014654
Address	4850 Magellan Dr Ste 190		Telephone Number (Area Code)/Fax Number		Date	5/22/13
City	State	Zip Code	Site Contact	Lab Contact	Lab Number	
Novi	MI	48377				Page 4 of 5

Project Name and Location (State)		Carrier/Waybill Number	Analysis (Attach list if more space is needed)		Special Instructions/ Conditions of Receipt
Lake Linden, MI					
Contract/Purchase Order/Quote No.					

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix					Containers & Preservatives					Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		
LLI01-6400W-0005-SSXX	5/22/13	0755												Analyze all Samples for all Metals
LLI01-6400W-0502-SSXX	5/22/13	0756												
LLI01-6400W-0205-SSXX	5/22/13	0757												
LLI01-0004-XXXX-SSXX	5/22/13	0756												
LLI01-7250W-0005-SSXX	5/22/13	0801												
LLI01-7250W-0902-SSXX	5/22/13	0802												
LLI01-7250W-0205-SSXX	5/22/13	0803												
LLI01-7000E-0005-SSXX	5/22/13	0812												
LLI01-7000E-0602-SSXX	5/22/13	0813												
LLI01-7000E-0205-SSXX	5/22/13	0814												
LLI01-M5X2-XXXX-SSXX	5/22/13	0814												
LLI01-M5D2-XXXX-SSXX	5/22/13	0814												

Possible Hazard Identification	Sample Disposal	Archive For	Months
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant	<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab	<input type="checkbox"/>	
Turn Around Time Required	(A fee may be assessed if samples are retained longer than 1 month)		
<input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 7 Days <input type="checkbox"/> 14 Days <input type="checkbox"/> 21 Days <input checked="" type="checkbox"/> Other	QC Requirements (Specify)		

1. Relinquished By	Date	Time	1. Received By	Date	Time
	5/22/13	1631	RedEx	5/22/13	1631
2. Relinquished By	Date	Time	2. Received By	Date	Time
				5-23-13	915
3. Relinquished By	Date	Time	3. Received By	Date	Time

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Record

TAL-4142 (0408)

Client: <u>Honeywell/Amec E&I, Inc.</u>		Project Manager		Date <u>5/22/13</u>		Chain of Custody Number <u>014655</u>	
Address		Telephone Number (Area Code)/Fax Number		Lab Number		Page <u>5</u> of <u>5</u>	
City <u>Goose Lake UT</u>		State <u>UT</u>		Zip Code		Analysis (Attach list if more space is needed)	
Project Name and Location (State)		Site Contact		Lab Contact		Special Instructions/ Conditions of Receipt	
Contract/Purchase Order/Quote No.		Carrier/Waybill Number					

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives					
			Air	Aqueous	Sed	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc
LLT01-70NW-0005-SSXX	5/22/13	0818										
LLT01-70NW-0502-SSXX	5/22/13	0819										
LLT01-70NW-0205-SSXX	5/22/13	0820										
LLT01-Dup3-XX-SSXX	5/22/13	0820										
LLT01-70SW-0005-SSXX	5/22/13	0831										
LLT01-70SW-0502-SSXX	5/22/13	0832										
LLT01-70SW-0205-SSXX	5/22/13	0833										
LLT01-31SW-0005-SSXX	5/22/13	1312										
LLT01-31SW-0502-SSXX	5/22/13	1314										
LLT01-23SW-0005-SSXX	5/22/13	1322										
LLT01-23SW-0502-SSXX	5/22/13	1324										

Possible Hazard Identification	Sample Disposal	Archive For	Months	(A fee may be assessed if samples are retained longer than 1 month)
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant	<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab	<input type="checkbox"/>		

Turn Around Time Required	QC Requirements (Specify)	1. Received By	Date	Time
<input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 7 Days <input type="checkbox"/> 14 Days <input type="checkbox"/> 21 Days <input checked="" type="checkbox"/> Other	<u>Honeywell Standard</u>	<u>Red Ex</u>	<u>5/22/13</u>	<u>1631</u>
1. Relinquished By		2. Received By	Date	Time
<u>[Signature]</u>		<u>[Signature]</u>	<u>5-23-13</u>	<u>915</u>
2. Relinquished By		3. Received By	Date	Time

TestAmerica Canton Sample Receipt Form/Narrative
Canton Facility

Login # : 24831

Client Honeywell Site Name _____

Cooler unpacked by: [Signature]

Cooler Received on 5-23-13 Opened on 5-23-13

FedEx: 1st Grd ☒ UPS ☐ FAS ☐ Stetson ☐ Client Drop Off ☐ TestAmerica Courier ☐ Other _____

TestAmerica Cooler # _____ Foam Box ☐ Client Cooler ☒ Box ☐ Other _____

Packing material used: Bubble Wrap Foam ☐ Plastic Bag ☐ None ☐ Other _____

COOLANT: Wet Ice Blue Ice ☐ Dry Ice ☐ Water ☐ None ☐

1. Cooler temperature upon receipt

IR GUN# 1 (CF -0 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

IR GUN# 4G (CF +1 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

IR GUN# 5G (CF +1 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

IR GUN# 8 (CF +1 °C) Observed Cooler Temp. 3.1 °C Corrected Cooler Temp. 4.1 °C

☐ See Multiple
Cooler Form

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity _____ Yes ☒ No ☒

-Were custody seals on the outside of the cooler(s) signed & dated? Yes ☐ No ☒

-Were custody seals on the bottle(s)? Yes ☒ No ☐

3. Shippers' packing slip attached to the cooler(s)? Yes ☒ No ☐

4. Did custody papers accompany the sample(s)? Yes ☒ No ☐

5. Were the custody papers relinquished & signed in the appropriate place? Yes ☒ No ☐

6. Did all bottles arrive in good condition (Unbroken)? Yes ☒ No ☐

7. Could all bottle labels be reconciled with the COC? Yes ☒ No ☐

8. Were correct bottle(s) used for the test(s) indicated? Yes ☒ No ☐

9. Sufficient quantity received to perform indicated analyses? Yes ☒ No ☐

10. Were sample(s) at the correct pH upon receipt? Yes ☐ No ☒ pH Strip Lot# HC379740

11. Were VOAs on the COC? Yes ☒ No ☐

12. Were air bubbles >6 mm in any VOA vials? Yes ☐ No ☒

13. Was a trip blank present in the cooler(s)? Yes ☒ No ☐

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

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by: [Signature]

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.

Time preserved: _____ Preservative(s) added/Lot number(s): _____



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

**AMEC NOVI, MI
Doug Saigh
46850 Magellan Drive
Novi, Michigan 48377**

Re: Quantem ID 210969

Quantem appreciates the opportunity to provide analytical testing services to you. Attached are your reports and other supporting documentation for the above referenced project.

Thank you for making Quantem your lab of choice. If you have any question concerning this or other reports please feel free to contact us at 800-822-1650.

We continually work to improve our service. Help us out by providing feed back on your experience at www.QuanTEM.com. Click on Service Survey and fill out the form. We look forward to hearing from you.

Respectfully,
Quantem Laboratories, LLC.





2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 210969

Account Number: B894

Date Received: 07/31/2012

Received By: Joanna Mueller

Date Analyzed: 08/10/2012

Analyzed By: Sandy Baker

Methodology: CARB 435

Client: AMEC NOVI, MI

Doug Saigh

46850 Magellan Drive Ste 190

Novi, Michigan 48377

Project: Lake Linden C&H Power Plant Site

Project Location: Torch Lake, Michigan (LLI01) REVISED

Project Number: 3293-11-1440 Task 2300

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	44-0006-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.20 Amosite 0.20 1000 Point Count	NA	Sand
002	44-0602-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.50 Amosite 0.30 1000 Point Count	NA	Sand
003	44-0205-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.30 Amosite 0.30 1000 Point Count	NA	Sand
004	63-0006-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.20 Amosite 0.40 1000 Point Count	NA	Sand
005	63-0602-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.50 Amosite 0.20 1000 Point Count	NA	Sand

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

Quantem is a NVLAP accredited TEM and PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP or any other agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No.	210969	Client:	AMEC NOVI, MI
Account Number:	B894		Doug Saigh
Date Received:	07/31/2012		46850 Magellan Drive Ste 190
Received By:	Joanna Mueller		Novi, Michigan 48377
Date Analyzed:	08/10/2012	Project:	Lake Linden C&H Power Plant Site
Analyzed By:	Sandy Baker	Project Location:	Torch Lake, Michigan (LLI01) REVISED
Methodology:	CARB 435	Project Number:	3293-11-1440 Task 2300

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
006	63-0205-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.50 Amosite <0.10 1000 Point Count	NA	Sand
007	62-0006-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.60 Amosite 0.50 1000 Point Count	NA	Sand
1.10% Total Asbestos						
008	62-0602-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.60 Amosite 0.40 1000 Point Count	NA	Sand
1.00% Total Asbestos						
009	62-0205-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.20 Amosite 0.70 1000 Point Count	NA	Sand

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

Quantem is a NVLAP accredited TEM and PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP or any other agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 210969

Account Number: B894

Date Received: 07/31/2012

Received By: Joanna Mueller

Date Analyzed: 08/10/2012

Analyzed By: Sandy Baker

Methodology: CARB 435

Client: AMEC NOVI, MI

Doug Saigh

46850 Magellan Drive Ste 190

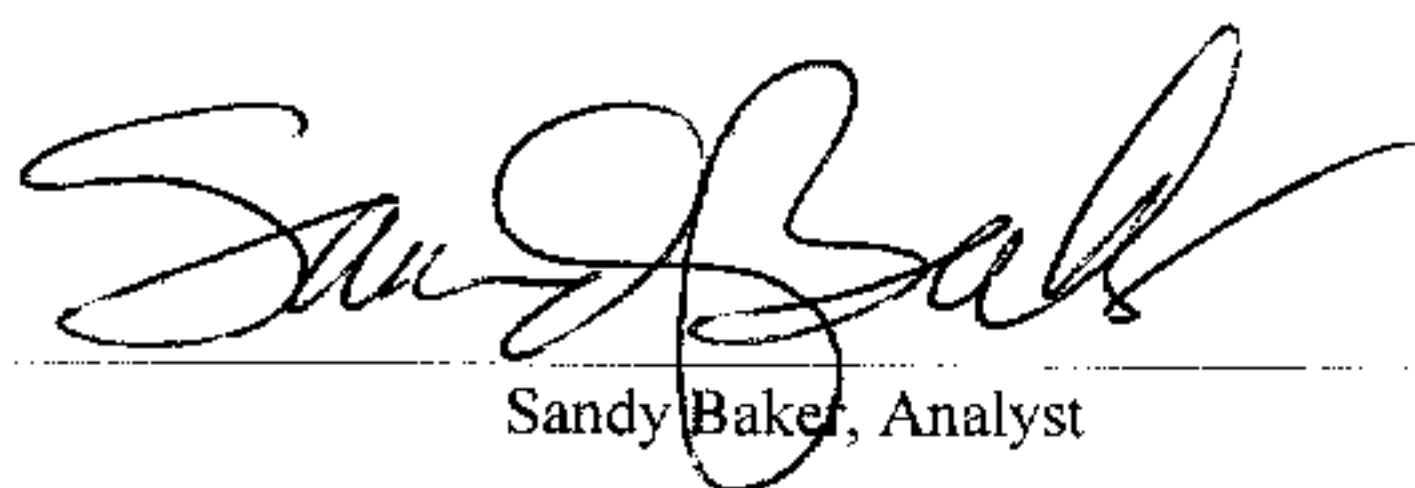
Novi, Michigan 48377

Project: Lake Linden C&H Power Plant Site

Project Location: Torch Lake, Michigan (LLI01) REVISED

Project Number: 3293-11-1440 Task 2300

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
010	53-0006-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.70 Amosite <0.10 1000 Point Count	NA	Sand
011	53-0602-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.80 Amosite 0.60 1000 Point Count	NA	Sand
1.40% Total Asbestos						
012	53-0205-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.60 Amosite 0.50 1000 Point Count	NA	Sand
1.10% Total Asbestos						
013	DP09-XXXX-SSFD	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.60 Amosite 0.30 1000 Point Count	NA	Sand



Sandy Baker, Analyst

8/22/2012

Date of Report

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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ASBESTOS CHAIN OF CUSTODY

2033 Heritage Park Drive, Oklahoma City, OK 73120-7502
(800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

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Contact Information		Project Information	
Company: AMEC Environment & Infrastructure	Phone: (248) 313-3691	Project Name: Lake Linden C&H Power Plant Site	Report Results (one box) <input type="checkbox"/> QuantEM Website <input checked="" type="checkbox"/> Other email
Contact: Douglas Saigh	Cell Phone: (586) 382-0850	Project Location: Torch Lake, Michigan (4401)	
Account #:	E-mail: doug.saigh@amec.com	Project ID: 3293-11-1440 Task 2300	

Sampled By: <u>KC/ES</u>	Date: <u>7/30/12</u>	Time: <u>12:00</u>
RELINQUISHED BY: <u>[Signature]</u>	DATE & TIME: <u>7/30/12-12:00</u>	VIA: <u>FedEx</u>
	RECEIVED BY: <u>[Signature]</u>	DATE & TIME: <u>7/31/12 10:20</u>

REQUESTED SERVICES (Please check the appropriate boxes)

PLM	PLM	TEM	TEM	TURNAROUND TIME
<input type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/> Air-AHERA	<input checked="" type="checkbox"/> Bulk-Presence / Absence EPA 600/R-93/116	<input type="checkbox"/> Rush
<input type="checkbox"/> 400 Point Count	<input type="checkbox"/> Other	<input type="checkbox"/> Air-NIOSH 7402	<input type="checkbox"/> Bulk-Quantitative (weight%) - Chatfield	<input type="checkbox"/> Same Day
<input checked="" type="checkbox"/> 1000 Point Count		<input type="checkbox"/> Air-ISO 10332	<input type="checkbox"/> Dust-Presence / Absence	<input type="checkbox"/> 24-Hour
<input type="checkbox"/> Gravimetric Preparation	<input type="checkbox"/> PCM	<input type="checkbox"/> Drinking Water-EPA 100.2	<input type="checkbox"/> Dust-Quantitative (fibers/sq.cm) - ASTM D5755	<input type="checkbox"/> 3-Day
<input type="checkbox"/> Particle ID	<input type="checkbox"/> NIOSH 7400	<input type="checkbox"/> Waste Water-EPA 600/4-83-043	<input checked="" type="checkbox"/> Other CARB 435	<input checked="" type="checkbox"/> 5-Day

No.	Sample ID (10 Characters Max)	To Be Analyzed	Description	Volume / Area (as applicable)	Comments / Notes
1	44-0006-SSXX	<input checked="" type="checkbox"/>	collected 735 7/29/12		
2	44-0602-SSXX	<input checked="" type="checkbox"/>	collected 736 7/29/12		
3	44-0205-SSXX	<input checked="" type="checkbox"/>	collected 737 7/29/12		
4	63-0006-SSXX	<input checked="" type="checkbox"/>	collected 833 7/29/12		
5	63-0602-SSXX	<input checked="" type="checkbox"/>	collected 834 7/29/12		
6	63-0205-SSXX	<input checked="" type="checkbox"/>	collected 835 7/29/12		
7	62-0006-SSXX	<input checked="" type="checkbox"/>	collected 850 7/29/12		
8	62-0602-SSXX	<input checked="" type="checkbox"/>	collected 851 7/29/12		
9	62-0205-SSXX	<input checked="" type="checkbox"/>	collected 852 7/29/12		
10	53-0006-SSXX	<input checked="" type="checkbox"/>	collected 1013 7/29/12		



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Lab No. <u>210969</u>
<input checked="" type="radio"/> Accept <input type="radio"/> Reject

Project Information			
Company: AMEC Environment & Infrastructure		Project Name: Lake Linden C&H Power Plant Site	Project Location: Torch Lake, Michigan
No.	Sample ID (10 Characters Max)	Description	Volume / Area (as applicable)
11	53-0602-SSXX	collected 10/14 7/29/12	
12	53-0205-SSXX	collected 10/15 7/29/12	
13	1101-SSXX		
14	DP44-XXX-SSFD		
15			
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24			
25			
26			
27			
28			
29			
30			



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AMEC NOVL MI
Doug Saigh
46850 Magellan Drive Ste 190
Novi, Michigan 48377

Re: Quantem ID 210913

Quantem appreciates the opportunity to provide analytical testing services to you. Attached are your reports and other supporting documentation for the above referenced project.

Thank you for making Quantem your lab of choice. If you have any question concerning this or other reports please feel free to contact us at 800-822-1650.

We continually work to improve our service. Help us out by providing feed back on your experience at www.QuanTEM.com. Click on Service Survey and fill out the form. We look forward to hearing from you.

Respectfully,
Quantem Laboratories, LLC.





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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 210913

Account Number: B894

Date Received: 07/30/2012

Received By: Sherrie Leftwich

Date Analyzed: 08/07/2012

Analyzed By: Sandy Baker

Methodology: CARB 435

Client: AMEC NOVI, MI

Doug Saigh

46850 Magellan Drive Ste 190

Novi, Michigan 48377

Project: Lake Linden C&H Power Plant Site

Project Location: Torch Lake, Michigan (LLI01)

Project Number: 3293-11-1440 Task 2300-Revised

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	05-0006-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.40 Amosite 0.60 1000 Point Count	NA	Sand
1.00% Total Asbestos						
002	05-0602-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.10 Amosite <0.10 1000 Point Count	NA	Sand
003	05-0205-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.30 Amosite <0.10 1000 Point Count	NA	Sand
004	02-0006-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.30 Amosite 0.10 1000 Point Count	NA	Sand
005	02-0602-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile <0.10 Amosite <0.10 1000 Point Count	NA	Sand

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 210913

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Date Received: 07/30/2012

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Methodology: CARB 435

Client: AMEC NOVI, MI

Doug Saigh

46850 Magellan Drive Ste 190

Novi, Michigan 48377

Project: Lake Linden C&H Power Plant Site

Project Location: Torch Lake, Michigan (LLI01)

Project Number: 3293-11-1440 Task 2300-Revised

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
006	02-0205-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.70 Amosite 0.20 1000 Point Count	NA	Sand
007	03-0006-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile <0.10 Amosite <0.10 1000 Point Count	NA	Sand
008	03-0602-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile <0.10 Amosite 0.40 1000 Point Count	NA	Sand
009	03-0205-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.40 Amosite 0.30 1000 Point Count	NA	Sand

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 210913

Account Number: B894

Date Received: 07/30/2012

Received By: Sherrie Leftwich

Date Analyzed: 08/07/2012

Analyzed By: Sandy Baker

Methodology: CARB 435

Client: AMEC NOVI, MI

Doug Saigh

46850 Magellan Drive Ste 190

Novi, Michigan 48377

Project: Lake Linden C&H Power Plant Site

Project Location: Torch Lake, Michigan (LLI01)

Project Number: 3293-11-1440 Task 2300-Revised

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
010	09-0006-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.20 Amosite 0.10 1000 Point Count	NA	Sand
011	09-0602-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.30 Amosite <0.10 1000 Point Count	NA	Sand
012	09-0205-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.90 Amosite 0.20 1000 Point Count	NA	Sand
1.10% Total Asbestos						
013	08-0006-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.40 Amosite 0.50 1000 Point Count	NA	Sand
014	08-0602-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.40 Amosite 0.10 1000 Point Count	NA	Sand

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 210913

Account Number: B894

Date Received: 07/30/2012

Received By: Sherrie Leftwich

Date Analyzed: 08/07/2012

Analyzed By: Sandy Baker

Methodology: CARB 435

Client: AMEC NOVI, MI

Doug Saigh

46850 Magellan Drive Ste 190

Novi, Michigan 48377

Project: Lake Linden C&H Power Plant Site

Project Location: Torch Lake, Michigan (LLI01)

Project Number: 3293-11-1440 Task 2300-Revised

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
015	08-0205-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.80 Amosite <0.10 1000 Point Count	NA	Sand
016	06-0006-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.40 Amosite 0.20 1000 Point Count	NA	Sand
017	06-0602-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.40 Amosite 0.30 1000 Point Count	NA	Sand
018	06-0205-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.40 Amosite 0.30 1000 Point Count	NA	Sand

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 210913

Account Number: B894

Date Received: 07/30/2012

Received By: Sherrie Leftwich

Date Analyzed: 08/07/2012

Analyzed By: Sandy Baker

Methodology: CARB 435

Client: AMEC NOVI, MI

Doug Saigh

46850 Magellan Drive Ste 190

Novi, Michigan 48377

Project: Lake Linden C&H Power Plant Site

Project Location: Torch Lake, Michigan (LLI01)

Project Number: 3293-11-1440 Task 2300-Revised

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
019	07-0006-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.50 Amosite 0.30 1000 Point Count	NA	Sand
020	07-0602-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 1.10 Amosite 0.20 1000 Point Count	NA	Sand
1.30% Total Asbestos						
021	07-0205-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.40 Amosite 0.70 1000 Point Count	NA	Sand
1.10% Total Asbestos						
022	12-0006-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.70 Amosite 0.50 1000 Point Count	NA	Sand
1.20% Total Asbestos						
023	12-0602-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 2.30 Amosite 1.80 1000 Point Count	NA	Sand

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 210913

Account Number: B894

Date Received: 07/30/2012

Received By: Sherrie Leftwich

Date Analyzed: 08/07/2012

Analyzed By: Sandy Baker

Methodology: CARB 435

Client: AMEC NOVI, MI

Doug Saigh

46850 Magellan Drive Ste 190

Novi, Michigan 48377

Project: Lake Linden C&H Power Plant Site

Project Location: Torch Lake, Michigan (LLI01)

Project Number: 3293-11-1440 Task 2300-Revised

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
4.10% Total Asbestos						
024	12-0205-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.70 Amosite 0.30 1000 Point Count	NA	Sand
1.00% Total Asbestos						
025	13-0006-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 1.40 Amosite 1.20 1000 Point Count	NA	Sand
2.60% Total Asbestos						
026	13-0602-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 1.30 Amosite 0.80 1000 Point Count	NA	Sand
2.10% Total Asbestos						
027	13-0205-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.30 Amosite 0.10 1000 Point Count	NA	Sand

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 210913

Account Number: B894

Date Received: 07/30/2012

Received By: Sherrie Leftwich

Date Analyzed: 08/07/2012

Analyzed By: Sandy Baker

Methodology: CARB 435

Client: AMEC NOVI, MI

Doug Saigh

46850 Magellan Drive Ste 190

Novi, Michigan 48377

Project: Lake Linden C&H Power Plant Site

Project Location: Torch Lake, Michigan (LL101)

Project Number: 3293-11-1440 Task 2300-Revised

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
028	DP02-XXXX- SSFD	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.40 Amosite 0.70 1000 Point Count	NA	Sand
1.10% Total Asbestos						
029	DP03-XXXX- SSFD	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.20 Amosite 0.20 1000 Point Count	NA	Sand
030	DP04-XXXX- SSFD	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.40 Amosite 0.30 1000 Point Count	NA	Sand
031	58-0602-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.30 Amosite 0.10 1000 Point Count	NA	Sand
032	58-0006-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.20 Amosite <0.10 1000 Point Count	NA	Sand

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 210913

Account Number: B894

Date Received: 07/30/2012

Received By: Sherrie Leftwich

Date Analyzed: 08/07/2012

Analyzed By: Sandy Baker

Methodology: CARB 435

Client: AMEC NOVI, MI

Doug Saigh

46850 Magellan Drive Ste 190

Novi, Michigan 48377

Project: Lake Linden C&H Power Plant Site

Project Location: Torch Lake, Michigan (LLI01)

Project Number: 3293-11-1440 Task 2300-Revised

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
033	58-0205-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.40 Amosite 0.30 1000 Point Count	NA	Sand
034	49-0006-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.10 Amosite <0.10 1000 Point Count	NA	Sand
035	49-0602-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.50 Amosite 0.20 1000 Point Count	NA	Sand
036	49-0205-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.10 Amosite 0.40 1000 Point Count	NA	Sand

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 210913

Account Number: B894

Date Received: 07/30/2012

Received By: Sherrie Leftwich

Date Analyzed: 08/07/2012

Analyzed By: Sandy Baker

Methodology: CARB 435

Client: AMEC NOVI, MI

Doug Saigh

46850 Magellan Drive Ste 190

Novi, Michigan 48377

Project: Lake Linden C&H Power Plant Site

Project Location: Torch Lake, Michigan (LL101)

Project Number: 3293-11-1440 Task 2300-Revised

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
037	48-0006-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.10 Amosite 0.30 1000 Point Count	NA	Sand
038	48-0602-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.30 Amosite 0.40 1000 Point Count	NA	Sand
039	48-0205-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.20 Amosite 0.10 1000 Point Count	NA	Sand
040	40-0006-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile <0.10 Amosite <0.10 1000 Point Count	NA	Sand
041	40-0602-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.30 Amosite 0.20 1000 Point Count	NA	Sand

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 210913	Client: AMEC NOVI, MI
Account Number: B894	Doug Saigh
Date Received: 07/30/2012	46850 Magellan Drive Ste 190
Received By: Sherrie Leftwich	Novi, Michigan 48377
Date Analyzed: 08/07/2012	Project: Lake Linden C&H Power Plant Site
Analyzed By: Sandy Baker	Project Location: Torch Lake, Michigan (LLI01)
Methodology: CARB 435	Project Number: 3293-11-1440 Task 2300-Revised

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
042	40-0205-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.10 Amosite 0.40 1000 Point Count	NA	Sand
043	39-0006-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.40 Amosite 0.20 1000 Point Count	NA	Sand
044	39-0602-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.70 Amosite 0.30 1000 Point Count	NA	Sand
1.00% Total Asbestos						
045	39-0205-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.40 Amosite 0.30 1000 Point Count	NA	Sand

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 210913

Account Number: B894

Date Received: 07/30/2012

Received By: Sherrie Leftwich

Date Analyzed: 08/07/2012

Analyzed By: Sandy Baker

Methodology: CARB 435

Client: AMEC NOVI, MI

Doug Saigh

46850 Magellan Drive Ste 190

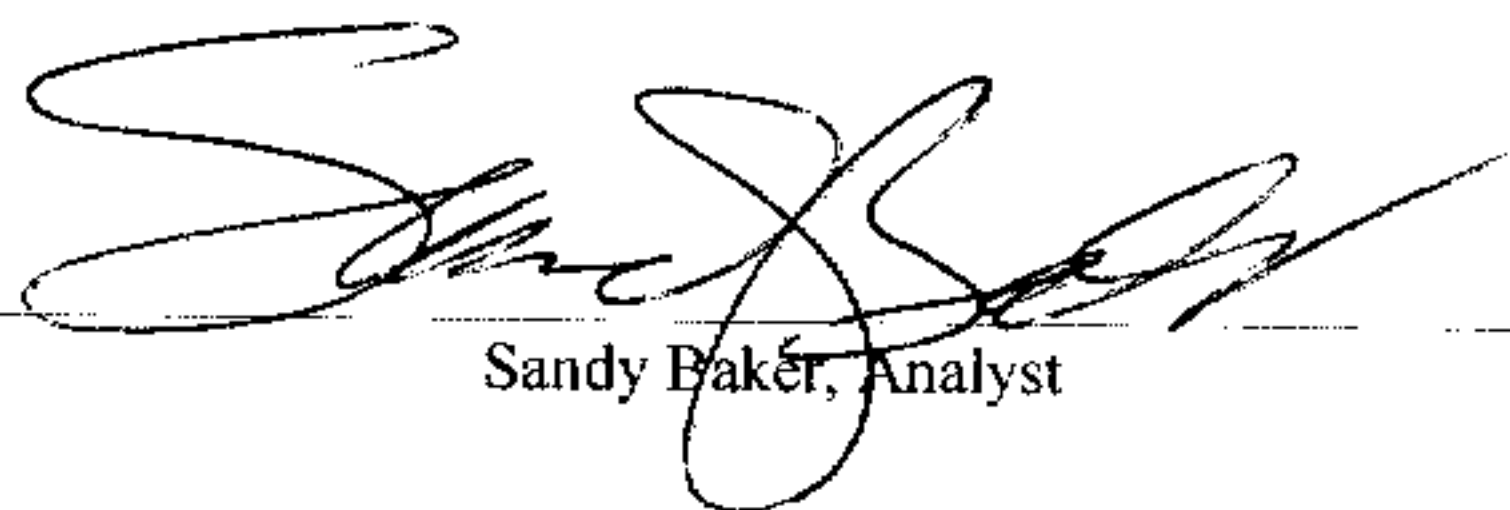
Novi, Michigan 48377

Project: Lake Linden C&H Power Plant Site

Project Location: Torch Lake, Michigan (LLI01)

Project Number: 3293-11-1440 Task 2300-Revised

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
046	DP01-XXXX- SSFD	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.10 Amosite <0.10 1000 Point Count	NA	Sand



Sandy Baker, Analyst

8/22/2012

Date of Report

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Page 1 of 35

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Lab No. 210913

Accept Reject

Contact Information	
Company: AMEC Environment & Infrastructure	Phone: (248) 313-3691
Contact: Douglas Saigh	Cell Phone: (586) 382-0850
Account #:	E-mail: doug.saigh@amec.com

Project Information	
Project Name: Lake Linden C&H Power Plant Site	Project ID: 3293-11-1440 Task 2300
Project Location: Torch Lake, Michigan (4401)	

Report Results (one box)	
<input type="checkbox"/> QuantEM Website	<input checked="" type="checkbox"/> Other email

Sampled By: <i>[Signature]</i>	Name:	Date:
--------------------------------	-------	-------

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>[Signature]</i>	7/27/12 - 12:30	FedEx	FedEx	7/27/12 - 12:30
			SLightwick	7/30/12 10:25

REQUESTED SERVICES (Please check the appropriate boxes)

	PLM		PLM		TEM		TEM		TURNAROUND TIME			
	Bulk Analysis (EPA 600/R-93/116)	400 Point Count	Vermiculite Attic Insulation (EPA 600/R-04/004)	Other	Air-AMERA	Air-NIOSH 7402	Air-ISO 10312	Bulk-Presence / Absence (EPA 600/R-93/116)	Bulk-Quantitative (weight%) - Chatfield	Dust-Presence / Absence	Dust-Quantitative (fibers/sq.cm) - ASTM D5755	Other CARB 435
<input checked="" type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	05-0006-SSXX	<input checked="" type="checkbox"/>		collected 914 7/26/12		
2	05-0602-SSXX	<input checked="" type="checkbox"/>		collected 915 7/26/12		
3	05-0205-SSXX	<input checked="" type="checkbox"/>		collected 916 7/26/12		
4	02-0006-SSXX	<input checked="" type="checkbox"/>		collected 949 7/26/12		
5	02-0602-SSXX	<input checked="" type="checkbox"/>		collected 950 7/26/12		
6	02-0205-SSXX	<input checked="" type="checkbox"/>		collected 952 7/26/12		
7	03-0006-SSXX	<input checked="" type="checkbox"/>		collected 1020 7/26/12		
8	03-0602-SSXX	<input checked="" type="checkbox"/>		collected 1022 7/26/12		
9	03-0205-SSXX	<input checked="" type="checkbox"/>		collected 1024 7/26/12		
10	09-0006-SSXX	<input checked="" type="checkbox"/>		collected 1148 7/26/12		

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Contact Information		Project Information	
Company: AMEC Environment & Infrastructure	Phone: (248) 313-3691	Project Name: Lake Linden C&H Power Plant Site	Report Results (one box) <input type="checkbox"/> QuantEM Website <input checked="" type="checkbox"/> Other email
Contact: Douglas Saigh	Cell Phone: (586) 382-0850	Project Location: Torch Lake, Michigan (LL107)	
Account #:	E-mail: doug.saigh@amec.com	Project ID: 3293-11-1440 Task 2300	

Sampled By: <i>[Signature]</i>	Name: <i>[Signature]</i>	Date: <i>[Signature]</i>
RELINQUISHED BY: <i>[Signature]</i>	DATE & TIME: 7/23/12-12P	VIA: FedEx
		RECEIVED BY: <i>[Signature]</i>
		DATE & TIME: 7/23/12-12P

REQUESTED SERVICES (Please check the appropriate boxes)

	PLM	PLM	TEM		TEM	TURNAROUND TIME
			Air- AHERA	Air- NIOSH 7402		
<input type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/> Other	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> 400 Point Count			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> 1000 Point Count			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Gravimetric Preparation		PCM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Particle ID		NIOSH 7400	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

No.	Sample ID (10 Characters Max)	To Be Analyzed	Description	Volume / Area (as applicable)	Comments / Notes
11	09-0602-SSXX	<input checked="" type="checkbox"/>	collected 1147 7/26/12		
12	09-0205-SSXX	<input checked="" type="checkbox"/>	collected 1148 7/26/12		
13	08-0000-SSXX	<input checked="" type="checkbox"/>	collected 1230 7/26/12		
14	08-0602-SSXX	<input checked="" type="checkbox"/>	collected 1236 7/26/12		
15	08-0205-SSXX	<input checked="" type="checkbox"/>	collected 1238 7/26/12		
16	06-0006-SSXX	<input checked="" type="checkbox"/>	collected 1335 7/26/12		
17	06-0602-SSXX	<input checked="" type="checkbox"/>	collected 1336 7/26/12		
18	06-0205-SSXX	<input checked="" type="checkbox"/>	collected 1337 7/26/12		
19	07-0000-SSXX	<input checked="" type="checkbox"/>	collected 1424 7/26/12		
20	07-0602-SSXX	<input checked="" type="checkbox"/>	collected 1425 7/26/12		



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Page 3 of 5

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Lab No. 210913

Accept Reject

Project Information				
Company: AMEC Environment & Infrastructure		Project Name: Lake Linden C&H Power Plant Site		Project Location: Torch Lake, Michigan
No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description
21	07-0205-SSXX	<input checked="" type="checkbox"/>		collected 1426 7/26/12
22	12-0006-SSXX	<input checked="" type="checkbox"/>		collected 1508 7/26/12
23	12-0602-SSXX	<input checked="" type="checkbox"/>		collected 1510 7/26/12
24	12-0205-SSXX	<input checked="" type="checkbox"/>		collected 1512 7/26/12
25	13-0006-SSXX	<input checked="" type="checkbox"/>		collected 1603 7/26/12
26	13-0602-SSXX	<input checked="" type="checkbox"/>		collected 1605 7/26/12
27	13-0705-SSXX	<input checked="" type="checkbox"/>		collected 1607 7/26/12
28	DP02-XXXX-SSPD	<input checked="" type="checkbox"/>		7/26/12
29	DP03-XXXX-SSPD	<input checked="" type="checkbox"/>		7/26/12
30	DP04-XXXX-SSPD	<input checked="" type="checkbox"/>		7/26/12
21		<input type="checkbox"/>		
22		<input type="checkbox"/>		
23		<input type="checkbox"/>		
24		<input type="checkbox"/>		
25		<input type="checkbox"/>		
26		<input type="checkbox"/>		
27		<input type="checkbox"/>		
28		<input type="checkbox"/>		
29		<input type="checkbox"/>		
30		<input type="checkbox"/>		

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Contact Information		Project Information	
Company: AMEC Environment & Infrastructure	Phone: (248) 313-3691	Project Name: Lake Linden C&H Power Plant Site	Report Results (one box) <input type="checkbox"/> QuantEM Website
Contact: Douglas Saigh	Cell Phone: (586) 382-0850	Project Location: Torch Lake, Michigan (44101)	<input checked="" type="checkbox"/> Other email
Account #:	E-mail: doug.saigh@amec.com	Project ID: 3293-11-1440 Task 2300	

Sampled By: <i>[Signature]</i>	Name:	Date:
RELINQUISHED BY: <i>[Signature]</i>	DATE & TIME: 9/23/12-12P	VIA: FedEx
	RECEIVED BY: <i>[Signature]</i>	DATE & TIME: 9/23/12-12P
		DATE & TIME: 7/30/12 10:25

REQUESTED SERVICES (Please ☒ the Appropriate Boxes)

PLM		PLM		TEM		TEM		TURNAROUND TIME	
<input type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/> Air-AHERA	<input checked="" type="checkbox"/> Bulk-Presence / Absence EPA600/R-93/116	<input type="checkbox"/> Rush	<input type="checkbox"/> Bulk-Quantitative (weight%) - Chatfield	<input type="checkbox"/> Same Day	<input type="checkbox"/> Dust-Presence / Absence	<input type="checkbox"/> 24-Hour	<input type="checkbox"/> 3-Day
<input type="checkbox"/> 400 Point Count	<input type="checkbox"/> Other	<input type="checkbox"/> Air-NIOSH 7402	<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Dust-Quantitative (fibers/sqcm)- ASTM D5755	<input type="checkbox"/> Dust-Presence / Absence	<input type="checkbox"/> 5-Day	<input type="checkbox"/> Other CARB 435	<input checked="" type="checkbox"/> 5-Day	
<input checked="" type="checkbox"/> 1000 Point Count		<input type="checkbox"/> Air-ISO 10312							
<input type="checkbox"/> Gravimetric Preparation	PCM	<input type="checkbox"/> Drinking Water- EPA 100.2							
<input type="checkbox"/> Particle ID	<input type="checkbox"/> NIOSH 7400	<input type="checkbox"/> Waste Water- EPA 600/4-83-043							

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
31	454060255XX	<input checked="" type="checkbox"/>	Brown	Soil	1230	
32	58000655XX	<input checked="" type="checkbox"/>	Brown	Soil	1235	
33	58020555XX	<input checked="" type="checkbox"/>	Brown	Soil	1238	
34	49000655XX	<input checked="" type="checkbox"/>	Brown	Soil	1318	
35	49060255XX	<input checked="" type="checkbox"/>	Black	Soil	1323	
36	49020555XX	<input checked="" type="checkbox"/>	Brown	Soil	1326	
37	48000655XX	<input checked="" type="checkbox"/>	Brown	Soil	1407	
38	48060255XX	<input checked="" type="checkbox"/>	Brown	Soil	1408	
39	48020555XX	<input checked="" type="checkbox"/>	Brown	Soil	1410	
40	40060655XX	<input checked="" type="checkbox"/>	Brown	Soil	1545	

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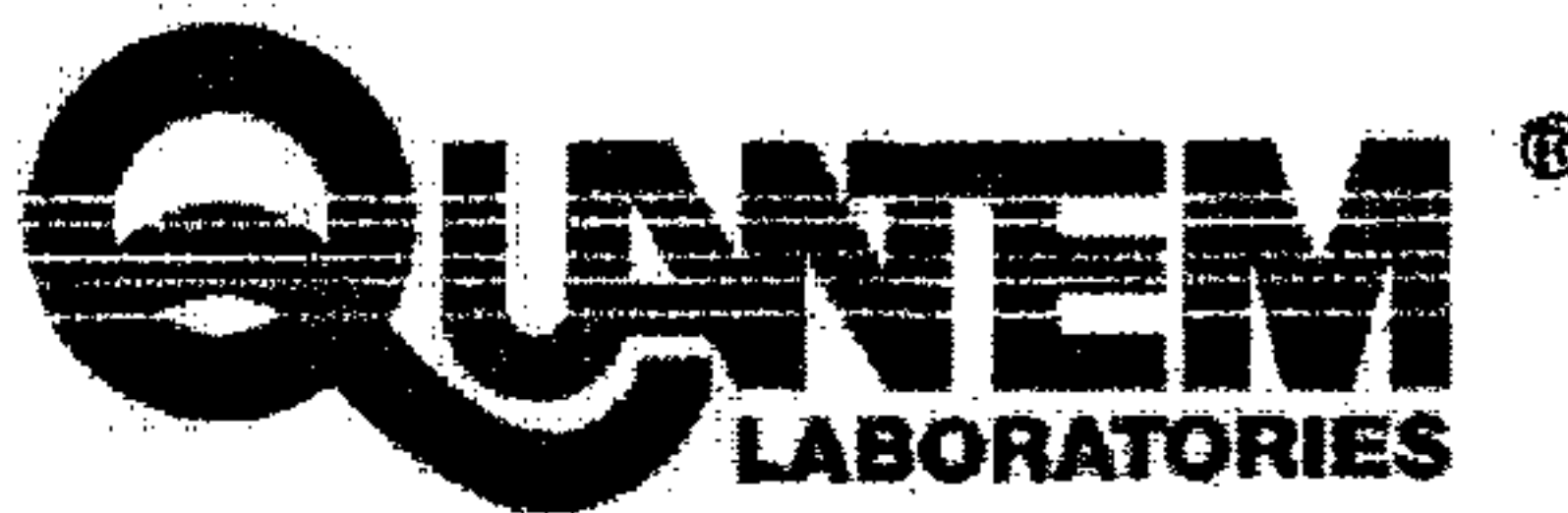
Page 5 of 25

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Lab No. 2109113

Accept ☒ Reject ☐

Project Information				Project Name: Lake Linden C&H Power Plant Site	Project Location: Torch Lake, Michigan (22101)	
Company: AMEC Environment & Infrastructure						
No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
41	40060205XX	<input checked="" type="checkbox"/>	Brown	Soil 1547		
42	40020555XX	<input checked="" type="checkbox"/>	Brown	Soil 1549		
43	39000655XX	<input checked="" type="checkbox"/>	Brown	Soil 1641		
44	39000255XX	<input checked="" type="checkbox"/>	Brown	Soil 1642		
45	39020555XX	<input checked="" type="checkbox"/>	Brown	Soil 1644		
46	041555FD	<input checked="" type="checkbox"/>	Brown	Soil		
17		<input type="checkbox"/>				
18		<input type="checkbox"/>				
19		<input type="checkbox"/>				
20		<input type="checkbox"/>				
21		<input type="checkbox"/>				
22		<input type="checkbox"/>				
23		<input type="checkbox"/>				
24		<input type="checkbox"/>				
25		<input type="checkbox"/>				
26		<input type="checkbox"/>				
27		<input type="checkbox"/>				
28		<input type="checkbox"/>				
29		<input type="checkbox"/>				
30		<input type="checkbox"/>				



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**AMEC NOVI, MI
Doug Saigh
46850 Magellan Drive
Novi, Michigan 48377**

Re: Quantem ID 210968

Quantem appreciates the opportunity to provide analytical testing services to you. Attached are your reports and other supporting documentation for the above referenced project.

Thank you for making Quantem your lab of choice. If you have any question concerning this or other reports please feel free to contact us at 800-822-1650.

We continually work to improve our service. Help us out by providing feed back on your experience at www.QuanTEM.com. Click on Service Survey and fill out the form. We look forward to hearing from you.

Respectfully,
Quantem Laboratories, LLC.





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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 210968

Account Number: B894

Date Received: 07/31/2012

Received By: Joanna Mueller

Date Analyzed: 08/14/2012

Analyzed By: Gayle Ooten

Methodology: CARB 435

Client: AMEC NOVI, MI

Doug Saigh

46850 Magellan Drive Ste 190

Novi, Michigan 48377

Project: Lake Linden C&H Power Plant Site

Project Location: Torch Lake, Michigan (LLI01) REVISED

Project Number: 3293-11-1440 Task 2300

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	14-0006-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 1.00 Amosite 0.20 1000 Point Count	NA	Sand
1.20% Total Asbestos						
002	14-0602-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.80 Amosite 0.10 1000 Point Count	NA	Sand
003	14-0205-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.40 Amosite 0.10 1000 Point Count	NA	Sand
004	15-0006-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.60 Amosite 0.20 1000 Point Count	NA	Sand
005	15-0602-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.30 Amosite <0.10 1000 Point Count	NA	Sand

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

Quantem is a NVLAP accredited TEM and PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP or any other agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.



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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 210968

Account Number: B894

Date Received: 07/31/2012

Received By: Joanna Mueller

Date Analyzed: 08/14/2012

Analyzed By: Gayle Ooten

Methodology: CARB 435

Client: AMEC NOVI, MI

Doug Saigh

46850 Magellan Drive Ste 190

Novi, Michigan 48377

Project: Lake Linden C&H Power Plant Site

Project Location: Torch Lake, Michigan (LLI01) REVISED

Project Number: 3293-11-1440 Task 2300

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
006	15-0205-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.60 Amosite 0.10 1000 Point Count	NA	Sand
007	17-0006-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.50 Amosite <0.10 1000 Point Count	NA	Sand
008	17-0602-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.30 Amosite 0.60 1000 Point Count	NA	Sand
009	11-0006-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.10 Amosite 0.30 1000 Point Count	NA	Sand

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 210968

Account Number: B894

Date Received: 07/31/2012

Received By: Joanna Mueller

Date Analyzed: 08/14/2012

Analyzed By: Gayle Ooten

Methodology: CARB 435

Client: AMEC NOVI, MI

Doug Saigh

46850 Magellan Drive Ste 190

Novi, Michigan 48377

Project: Lake Linden C&H Power Plant Site

Project Location: Torch Lake, Michigan (LLI01) REVISED

Project Number: 3293-11-1440 Task 2300

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
010	11-0205-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.20 Amosite <0.10 1000 Point Count	NA	Sand
011	11-0602-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.10 Amosite <0.10 1000 Point Count	NA	Sand
012	18-0006-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.80 Amosite 0.10 1000 Point Count	NA	Sand
013	18-0602-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.30 Amosite 0.40 1000 Point Count	NA	Sand
014	18-0205-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.10 Amosite 0.20 1000 Point Count	NA	Sand

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 210968

Account Number: B894

Date Received: 07/31/2012

Received By: Joanna Mueller

Date Analyzed: 08/14/2012

Analyzed By: Gayle Ooten

Methodology: CARB 435

Client: AMEC NOVI, MI

Doug Saigh

46850 Magellan Drive Ste 190

Novi, Michigan 48377

Project: Lake Linden C&H Power Plant Site

Project Location: Torch Lake, Michigan (LLI01) REVISED

Project Number: 3293-11-1440 Task 2300

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
015	19-0006-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.30 Amosite 0.20 1000 Point Count	NA	Sand
016	19-0602-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile <0.10 Amosite 0.20 1000 Point Count	NA	Sand
017	19-0205-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.10 Amosite 0.10 1000 Point Count	NA	Sand
018	28-0006-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.40 Amosite 0.20 1000 Point Count	NA	Sand

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 210968

Account Number: B894

Date Received: 07/31/2012

Received By: Joanna Mueller

Date Analyzed: 08/14/2012

Analyzed By: Gayle Ooten

Methodology: CARB 435

Client: AMEC NOVI, MI

Doug Saigh

46850 Magellan Drive Ste 190

Novi, Michigan 48377

Project: Lake Linden C&H Power Plant Site

Project Location: Torch Lake, Michigan (LLI01) REVISED

Project Number: 3293-11-1440 Task 2300

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
019	28-0602-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.20 Amosite 0.10 1000 Point Count	NA	Sand
020	28-0205-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.50 Amosite <0.10 1000 Point Count	NA	Sand
021	27-0006-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.10 Amosite 0.20 1000 Point Count	NA	Sand
022	27-0602-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.10 Amosite 0.10 1000 Point Count	NA	Sand
023	27-0205-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.70 Amosite 0.10 1000 Point Count	NA	Sand

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 210968

Account Number: B894

Date Received: 07/31/2012

Received By: Joanna Mueller

Date Analyzed: 08/14/2012

Analyzed By: Gayle Ooten

Methodology: CARB 435

Client: AMEC NOVI, MI

Doug Saigh

46850 Magellan Drive Ste 190

Novi, Michigan 48377

Project: Lake Linden C&H Power Plant Site

Project Location: Torch Lake, Michigan (LLI01) REVISED

Project Number: 3293-11-1440 Task 2300

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
024	20-0006-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.90 Amosite 0.50 1000 Point Count	NA	Sand
1.40% Total Asbestos						
025	20-0602-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.70 Amosite 0.20 1000 Point Count	NA	Sand
026	20-0205-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.30 Amosite 0.10 1000 Point Count	NA	Sand
027	21-0006-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.10 Amosite 0.20 1000 Point Count	NA	Sand

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

Quantem is a NVLAP accredited TEM and PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP or any other agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.



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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 210968

Account Number: B894

Date Received: 07/31/2012

Received By: Joanna Mueller

Date Analyzed: 08/14/2012

Analyzed By: Gayle Ooten

Methodology: CARB 435

Client: AMEC NOVI, MI

Doug Saigh

46850 Magellan Drive Ste 190

Novi, Michigan 48377

Project: Lake Linden C&H Power Plant Site

Project Location: Torch Lake, Michigan (LLI01) REVISED

Project Number: 3293-11-1440 Task 2300

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
028	21-0602-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.20 Amosite 0.50 1000 Point Count	NA	Sand
029	21-0205-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.40 Amosite <0.10 1000 Point Count	NA	Sand
030	DP05XXXXSSF D	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.10 Amosite 0.10 1000 Point Count	NA	Sand
031	DP06XXXXSSF D	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.40 Amosite 0.10 1000 Point Count	NA	Sand

Gayle Ooten, Analyst

8/22/2012

Date of Report

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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Contact Information	
Company: AMEC Environment & Infrastructure	Phone: (248) 313-3691
Contact: Douglas Saigh	Cell Phone: (586) 382-0850
Account #:	E-mail: doug.saigh@amec.com

Project Information	
Project Name:	Lake Linden C&H Power Plant Site
Project Location:	Torch Lake, Michigan (44101)
Project ID:	3293-11-1440 Task 2300

For Lab Use Only	
Lab No. 210968	Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>

Report Results (one box)	
<input type="checkbox"/> QuanTEM Website	<input checked="" type="checkbox"/> Other email

Sampled By: VC/ES	Name: VC/ES	Date: 7/27/12
-------------------	-------------	---------------

RECEIVED BY	DATE & TIME
<i>[Signature]</i>	7/30/12-12P
	7/31/12 1020

REQUESTED SERVICES (Please check the appropriate boxes)

PLM		PLM		TEM		TEM		TURNAROUND TIME		
<input type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/> Air- AHERA	<input checked="" type="checkbox"/> Bulk- Presence / Absence EPA600/R-93/116	<input type="checkbox"/> Bulk- Quantitative (weight%) - Chatfield	<input type="checkbox"/> Rush	<input type="checkbox"/> 400 Point Count	<input type="checkbox"/> Air- NIOSH 7402	<input type="checkbox"/> Dust- Presence / Absence	<input type="checkbox"/> Same Day	<input type="checkbox"/> 24 - Hour
<input checked="" type="checkbox"/> 1000 Point Count	<input type="checkbox"/> Other	<input type="checkbox"/> Air- ISO 10312	<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Dust- Quantitative (fibers/sq.cm) - ASTM D5755	<input type="checkbox"/> 3 - Day	<input type="checkbox"/> Gravimetric Preparation	<input type="checkbox"/> Waste Water- EPA 600/4-83-043	<input checked="" type="checkbox"/> Other CARB 435	<input type="checkbox"/> 5 - Day	<input checked="" type="checkbox"/>
<input type="checkbox"/> Particle ID	<input type="checkbox"/> NIOSH 7400									

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	14-0006-SSXX	<input type="checkbox"/>		collected 812	7/27/12	
2	14-0006-SSXX	<input checked="" type="checkbox"/>		collected 815	7/27/12	
3	14-0006-SSXX	<input checked="" type="checkbox"/>		collected 816	7/27/12	
4	14-0006-SSXX	<input checked="" type="checkbox"/>		collected 848	7/27/12	
5	14-0006-SSXX	<input checked="" type="checkbox"/>		collected 849	7/27/12	
6	14-0006-SSXX	<input checked="" type="checkbox"/>		collected 850	7/27/12	
7	14-0006-SSXX	<input checked="" type="checkbox"/>		collected 932	7/27/12	
8	14-0006-SSXX	<input checked="" type="checkbox"/>		collected 933	7/27/12	
9	14-0006-SSXX	<input checked="" type="checkbox"/>		collected 916	7/27/12	
10	14-0006-SSXX	<input checked="" type="checkbox"/>				

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Page 2 of 3

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Lab No. 210968

Accept Reject

Project Information				Project Name: Lake Linden C&H Power Plant Site		Project Location: Torch Lake, Michigan	
Company: AMEC Environment & Infrastructure				Color		Volume / Area (as applicable)	
No.	Sample ID (10 Characters Max)	To Be Analyzed		Description			Comments / Notes
10	11-0205-SSXX	<input checked="" type="checkbox"/>		collected 1118	7/27/12		
11	11-0602-SSXX	<input checked="" type="checkbox"/>		Collected 1117	7/27/12		
12	18-0006-SSXX	<input checked="" type="checkbox"/>		collected 1206	7/27/12		
13	18-0602-SSXX	<input checked="" type="checkbox"/>		collected 1207	7/27/12		
14	18-0205-SSXX	<input checked="" type="checkbox"/>		collected 1208	7/27/12		
15	18-0006-SSXX	<input checked="" type="checkbox"/>		collected 1418	7/27/12		
16	18-0602-SSXX	<input checked="" type="checkbox"/>		Collected 1419	7/27/12		
17	18-0205-SSXX	<input checked="" type="checkbox"/>		collected 1420	7/27/12		
18	28-0006-SSXX	<input checked="" type="checkbox"/>		collected 1453	7/27/12		
19	28-0602-SSXX	<input checked="" type="checkbox"/>		collected 1454	7/27/12		
20	28-0206-SSXX	<input checked="" type="checkbox"/>		collected 1455	7/27/12		
21	27-0006-SSXX	<input checked="" type="checkbox"/>		Collected 1516	7/27/12		
22	27-0602-SSXX	<input checked="" type="checkbox"/>		collected 1517	7/27/12		
23	27-0205-SSXX	<input checked="" type="checkbox"/>		collected 1518	7/27/12		
24	20-0006-SSXX	<input checked="" type="checkbox"/>		Collected 1556	7/27/12		
25	20-0602-SSXX	<input checked="" type="checkbox"/>		collected 1557	7/27/12		
26	20-0205-SSXX	<input checked="" type="checkbox"/>		collected 1558	7/27/12		
27	21-0006-SSXX	<input checked="" type="checkbox"/>		collected 1626	7/27/12		
28	21-0602-SSXX	<input checked="" type="checkbox"/>		collected 1627	7/27/12		
29	21-0205-SSXX	<input checked="" type="checkbox"/>		collected 1628	7/27/12		
30	21-0205-SSXX	<input checked="" type="checkbox"/>					

Sample marked 28-0205 SNL

SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package Hold for Saturday Pickup



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For Lab Use Only
Lab No. 210968
<input checked="" type="radio"/> Accept <input type="radio"/> Reject

Project Information			Project Name: Lake Linden C&H Power Plant Site	Project Location: Torch Lake, Michigan		
No.	Sample ID (30 Characters Max)	To Be Analyzed	Color	Description	Volume / Notes (as applicable)	Comments / Notes
30	DP05XXXX	<input checked="" type="checkbox"/>	Brown	Soil Collected 7/27/12		
31	DP06XXXX	<input checked="" type="checkbox"/>	Brown	Soil Collected 7/27/12		
32		<input type="checkbox"/>				
33		<input type="checkbox"/>				
34		<input type="checkbox"/>				
35		<input type="checkbox"/>				
36		<input type="checkbox"/>				
37		<input type="checkbox"/>				
38		<input type="checkbox"/>				
39		<input type="checkbox"/>				
40		<input type="checkbox"/>				
41		<input type="checkbox"/>				
42		<input type="checkbox"/>				
43		<input type="checkbox"/>				
44		<input type="checkbox"/>				
45		<input type="checkbox"/>				
46		<input type="checkbox"/>				
47		<input type="checkbox"/>				
48		<input type="checkbox"/>				
49		<input type="checkbox"/>				
50		<input type="checkbox"/>				



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AMEC NOVI, MI
Doug Saigh
46850 Magellan Drive
Novi, Michigan 48377

Re: QuantEM ID 210967

QuantEM appreciates the opportunity to provide analytical testing services to you. Attached are your reports and other supporting documentation for the above referenced project.

Thank you for making QuantEM your lab of choice. If you have any question concerning this or other reports please feel free to contact us at 800-822-1650.

We continually work to improve our service. Help us out by providing feed back on your experience at www.QuanTEM.com. Click on Service Survey and fill out the form. We look forward to hearing from you.

Respectfully,
QuantEM Laboratories, LLC.





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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No.	210967	Client:	AMEC NOVI, MI
Account Number:	B894		Doug Saigh
Date Received:	07/31/2012		46850 Magellan Drive
Received By:	Joanna Mueller		Novi, Michigan 48377
Date Analyzed:	08/09/2012	Project:	Lake Linden C&H Power Plant Site
Analyzed By:	Gayle Ooten	Project Location:	Torch Lake, Michigan (LLI01)
Methodology:	CARB 435	Project Number:	3293-11-1440 Task 2300

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	30-0006-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.60 Amosite 0.20 1000 Point Count	NA	Sand
002	30-0602-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.40 Amosite <0.10 1000 Point Count	NA	Sand
003	30-0205-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.80 Amosite 0.20 1000 Point Count	NA	Sand
1.00% Total Asbestos						
004	37-0006-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile <0.10 Amosite <0.10 1000 Point Count	NA	Sand
005	37-0602-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.30 Amosite 0.40 1000 Point Count	NA	Sand

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 210967

Account Number: B894

Date Received: 07/31/2012

Received By: Joanna Mueller

Date Analyzed: 08/09/2012

Analyzed By: Gayle Ooten

Methodology: CARB 435

Client: AMEC NOVI, MI

Doug Saigh

46850 Magellan Drive

Novi, Michigan 48377

Project: Lake Linden C&H Power Plant Site

Project Location: Torch Lake, Michigan (LLI01)

Project Number: 3293-11-1440 Task 2300

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
006	37-0205-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.10 Amosite <0.10 1000 Point Count	NA	Sand
007	36-0006-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.60 Amosite 0.20 1000 Point Count	NA	Sand
008	36-0602-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.40 Amosite 0.10 1000 Point Count	NA	Sand
009	36-0205-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.50 Amosite 0.10 1000 Point Count	NA	Sand

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 210967

Account Number: B894

Date Received: 07/31/2012

Received By: Joanna Mueller

Date Analyzed: 08/09/2012

Analyzed By: Gayle Ooten

Methodology: CARB 435

Client: AMEC NOVI, MI

Doug Saigh

46850 Magellan Drive

Novi, Michigan 48377

Project: Lake Linden C&H Power Plant Site

Project Location: Torch Lake, Michigan (LLI01)

Project Number: 3293-11-1440 Task 2300

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
010	35-0006-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.50 Amosite 0.60 1000 Point Count	NA	Sand
1.10% Total Asbestos						
011	35-0602-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.20 Amosite 0.10 1000 Point Count	NA	Sand
012	35-0205-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile <0.10 Amosite <0.10 1000 Point Count	NA	Sand
013	42-0006-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.50 Amosite <0.10 1000 Point Count	NA	Sand
014	42-0602-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.20 Amosite <0.10 1000 Point Count	NA	Sand

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No.	210967	Client:	AMEC NOVI, MI
Account Number:	B894		Doug Saigh
Date Received:	07/31/2012		46850 Magellan Drive
Received By:	Joanna Mueller		Novi, Michigan 48377
Date Analyzed:	08/09/2012	Project:	Lake Linden C&H Power Plant Site
Analyzed By:	Gayle Ooten	Project Location:	Torch Lake, Michigan (LLI01)
Methodology:	CARB 435	Project Number:	3293-11-1440 Task 2300

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
015	42-0205-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.30 Amosite 0.20 1000 Point Count	NA	Sand
016	43-0006-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.20 Amosite 0.10 1000 Point Count	NA	Sand
017	43-0602-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.30 Amosite 0.10 1000 Point Count	NA	Sand
018	43-0205-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile <0.10 Amosite 0.10 1000 Point Count	NA	Sand

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 210967

Account Number: B894

Date Received: 07/31/2012

Received By: Joanna Mueller

Date Analyzed: 08/09/2012

Analyzed By: Gayle Ooten

Methodology: CARB 435

Client: AMEC NOVI, MI

Doug Saigh

46850 Magellan Drive

Novi, Michigan 48377

Project: Lake Linden C&H Power Plant Site

Project Location: Torch Lake, Michigan (LLI01)

Project Number: 3293-11-1440 Task 2300

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
019	52-0006-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.60 Amosite <0.10 1000 Point Count	NA	Sand
020	52-0602-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.30 Amosite 0.10 1000 Point Count	NA	Sand
021	52-0205-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.10 Amosite <0.10 1000 Point Count	NA	Sand
022	45-0006-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.80 Amosite 0.20 1000 Point Count	NA	Sand
1.00% Total Asbestos						
023	45-0602-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.10 Amosite 0.20 1000 Point Count	NA	Sand

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 210967

Account Number: B894

Date Received: 07/31/2012

Received By: Joanna Mueller

Date Analyzed: 08/09/2012

Analyzed By: Gayle Ooten

Methodology: CARB 435

Client: AMEC NOVI, MI

Doug Saigh

46850 Magellan Drive

Novi, Michigan 48377

Project: Lake Linden C&H Power Plant Site

Project Location: Torch Lake, Michigan (LLI01)

Project Number: 3293-11-1440 Task 2300

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
024	45-0205-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.40 Amosite 0.10 1000 Point Count	NA	Sand
025	54-0006-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.20 Amosite 0.10 1000 Point Count	NA	Sand
026	54-0602-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.20 Amosite 0.40 1000 Point Count	NA	Sand
027	54-0205-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.20 Amosite <0.10 1000 Point Count	NA	Sand

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 210967

Account Number: B894

Date Received: 07/31/2012

Received By: Joanna Mueller

Date Analyzed: 08/09/2012

Analyzed By: Gayle Ooten

Methodology: CARB 435

Client: AMEC NOVI, MI

Doug Saigh

46850 Magellan Drive

Novi, Michigan 48377

Project: Lake Linden C&H Power Plant Site

Project Location: Torch Lake, Michigan (LLI01)

Project Number: 3293-11-1440 Task 2300

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
028	71-0006-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.20 Amosite 0.20 1000 Point Count	NA	Sand
029	71-0602-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 1.20 Amosite 0.10 1000 Point Count	NA	Sand
1.30% Total Asbestos						
030	71-0205-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.80 Amosite 0.10 1000 Point Count	NA	Sand
031	DP07XXXXSSF D	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.60 Amosite <0.10 1000 Point Count	NA	Sand
032	DP08XXXXSSF D	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.50 Amosite 0.10 1000 Point Count	NA	Sand

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 210967

Account Number: B894

Date Received: 07/31/2012

Received By: Joanna Mueller

Date Analyzed: 08/09/2012

Analyzed By: Gayle Ooten

Methodology: CARB 435

Client: AMEC NOVI, MI

Doug Saigh

46850 Magellan Drive

Novi, Michigan 48377

Project: Lake Linden C&H Power Plant Site

Project Location: Torch Lake, Michigan (LLI01)

Project Number: 3293-11-1440 Task 2300

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
----------------------	---------------------	-------------	------------------------	--------------	---------------------------	-------------

A handwritten signature in black ink, appearing to read "GO", is written over a horizontal line. Below the line, the text "Gayle Ooten, Analyst" is printed.

8/13/2012

Date of Report

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

Quantem is a NVLAP accredited TEM and PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP or any other agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.

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Contact Information		Project Information	
Company: AMEC Environment & Infrastructure	Phone: (248) 313-3691	Project Name: Lake Linden C&H Power Plant Site	Report Results (one box) <input type="checkbox"/> QuantEM Website <input checked="" type="checkbox"/> Other email
Contact: Douglas Saigh	Cell Phone: (586) 382-0850	Project Location: Torch Lake, Michigan (1101)	
Account #:	E-mail: doug.saigh@amec.com	Project ID: 3293-11-1440 Task 2300	

Sampled By: <i>KC/ES</i>	Date: 7/28/12	RECEIVED BY: <i>J. Mueller</i>	DATE & TIME: 7/31/12 10:20
RELINQUISHED BY: <i>[Signature]</i>	DATE & TIME: 7/30/12-12P	VIA: FedEx	

REQUESTED SERVICES (Please check the appropriate boxes)

PLM	PLM	TEM	TEM	TURNAROUND TIME
<input type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/> Air-AHERA	<input checked="" type="checkbox"/> Bulk- Presence / Absence EPA600/R-93/116	<input type="checkbox"/> Rush
<input type="checkbox"/> 400 Point Count	<input type="checkbox"/> Other	<input type="checkbox"/> Air-NIOSH 7402	<input type="checkbox"/> Bulk- Quantitative (weight%) - Chatfield	<input type="checkbox"/> Same Day
<input checked="" type="checkbox"/> 1000 Point Count		<input type="checkbox"/> Air-ISO 10312	<input type="checkbox"/> Dust- Presence / Absence	<input type="checkbox"/> 24 - Hour
<input type="checkbox"/> Gravimetric Preparation	PCM	<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Dust- Quantitative (fibers/sq.cm) - ASTM D5755	<input type="checkbox"/> 3 - Day
<input type="checkbox"/> Particle ID	<input type="checkbox"/> NIOSH 7400	<input type="checkbox"/> Waste Water- EPA 600/4-83-043	<input checked="" type="checkbox"/> Other CARB 435	<input checked="" type="checkbox"/> 5 - Day

No.	Sample ID (10 Characters Max)	To Be Analyzed	Description	Color	Volume / Area (as applicable)	Comments / Notes
1	30-0000-SSXX	<input checked="" type="checkbox"/>	collected 734		7/28/12	
2	30-0602-SSXX	<input checked="" type="checkbox"/>	collected 735		7/28/12	
3	30-0205-SSXX	<input checked="" type="checkbox"/>	collected 736		7/28/12	
4	37-0006-SSXX	<input checked="" type="checkbox"/>	collected 755		7/28/12	
5	37-0602-SSXX	<input checked="" type="checkbox"/>	collected 756		7/28/12	
6	37-0205-SSXX	<input checked="" type="checkbox"/>	collected 757		7/28/12	
7	36-0006-SSXX	<input checked="" type="checkbox"/>	collected 835		7/28/12	
8	36-0602-SSXX	<input checked="" type="checkbox"/>	collected 836		7/28/12	
9	36-0205-SSXX	<input checked="" type="checkbox"/>	collected 837		7/28/12	
10	39-0006-SSXX	<input checked="" type="checkbox"/>	collected 914		7/28/12	

SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"

Sample marked 37-0602-SSXX

*



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Page 2 of 3

For Lab Use Only
Lab No. <u>210967</u>
<input checked="" type="radio"/> Accept <input type="radio"/> Reject

Project Information					
Company: AMEC Environment & Infrastructure			Project Name: Lake Linden C&H Power Plant Site		
			Project Location: Torch Lake, Michigan		
No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Description	Volume / Area (as applicable)	Comments / Notes
11	35-0602-SSXX	<input checked="" type="checkbox"/>	collected 915 7/28/12		
12	35-0205-SSXX	<input checked="" type="checkbox"/>	collected 916 7/28/12		
13	42-0006-SSXX	<input checked="" type="checkbox"/>	collected 1045 7/28/12		
14	42-0602-SSXX	<input checked="" type="checkbox"/>	collected 1046 7/28/12		
15	42-0205-SSXX	<input checked="" type="checkbox"/>	collected 1047 7/28/12		
16	43-0006-SSXX	<input checked="" type="checkbox"/>	collected 1126 7/28/12		
17	43-0602-SSXX	<input checked="" type="checkbox"/>	collected 1127 7/28/12		
18	43-0105-SSXX	<input checked="" type="checkbox"/>	collected 1128 7/28/12		
19	52-0006-SSXX	<input checked="" type="checkbox"/>	collected 1155 7/28/12		
20	52-0602-SSXX	<input checked="" type="checkbox"/>	collected 1156 7/28/12		
21	52-0205-SSXX	<input checked="" type="checkbox"/>	collected 1157 7/28/12		
22	45-0006-SSXX	<input checked="" type="checkbox"/>	collected 1404 7/28/12		
23	45-0602-SSXX	<input checked="" type="checkbox"/>	collected 1405 7/28/12		
24	45-0205-SSXX	<input checked="" type="checkbox"/>	collected 1406 7/28/12		
25	54-0006-SSXX	<input checked="" type="checkbox"/>	collected 1452 7/28/12		
26	54-0002-SSXX	<input checked="" type="checkbox"/>	collected 1453 7/28/12		
27	54-0205-SSXX	<input checked="" type="checkbox"/>	collected 1454 7/28/12		
28	71-0006-SSXX	<input checked="" type="checkbox"/>	collected 1525 7/28/12		
29	71-0602-SSXX	<input checked="" type="checkbox"/>	collected 1526 7/28/12		
30	71-0205-SSXX	<input checked="" type="checkbox"/>	collected 1527 7/28/12		



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Page 3 of 3

For Lab Use Only
Lab No. <u>210967</u>
<input checked="" type="radio"/> Accept <input type="radio"/> Reject

Project Information				Project Name: Lake Linden C&H Power Plant Site		Project Location: Torch Lake, Michigan	
Company: AMEC Environment & Infrastructure							
No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes	
31	DP07XXXX55FD	<input checked="" type="checkbox"/>	Brown	Soil collected 7/28/12			
32	DP08XXXX55FD	<input checked="" type="checkbox"/>	Brown	Soil collected 7/28/12			
33		<input type="checkbox"/>					
34		<input type="checkbox"/>					
35		<input type="checkbox"/>					
36		<input type="checkbox"/>					
37		<input type="checkbox"/>					
38		<input type="checkbox"/>					
39		<input type="checkbox"/>					
40		<input type="checkbox"/>					
41		<input type="checkbox"/>					
42		<input type="checkbox"/>					
43		<input type="checkbox"/>					
44		<input type="checkbox"/>					
45		<input type="checkbox"/>					
46		<input type="checkbox"/>					
47		<input type="checkbox"/>					
48		<input type="checkbox"/>					
49		<input type="checkbox"/>					
50		<input type="checkbox"/>					



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AMEC NOVI, MI
Doug Saigh
46850 Magellan Drive
Novi, Michigan 48377

Re: QuantEM ID 211116

QuantEM appreciates the opportunity to provide analytical testing services to you. Attached are your reports and other supporting documentation for the above referenced project.

Thank you for making QuantEM your lab of choice. If you have any question concerning this or other reports please feel free to contact us at 800-822-1650.

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 211116

Account Number: B894

Date Received: 08/03/2012

Received By: Joanna Mueller

Date Analyzed: 08/14/2012

Analyzed By: Sandy Baker

Methodology: CARB 435

Client: AMEC NOVI, MI

Doug Saigh

46850 Magellan Drive Ste 190

Novi, Michigan 48377

Project: Lake Linden C&H Power Plant Site

Project Location: Torch Lake, Michigan (LLI01)

Project Number: 3293-11-1440 Task 2300

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	LLI01-66-0006-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 1.40 Amosite 0.20 1000 Point Count	NA	Sand
1.60% Total Asbestos						
002	LLI01-66-0602-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.60 Amosite 0.70 1000 Point Count	NA	Sand
1.30% Total Asbestos						
003	LLI01-57-0006-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.30 Amosite 0.30 1000 Point Count	NA	Sand
004	LLI01-57-0602-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.50 Amosite 1.20 1000 Point Count	NA	Sand
1.70% Total Asbestos						
005	LLI01-57-0205-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.30 Amosite 0.10 1000 Point Count	NA	Sand

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 211116

Account Number: B894

Date Received: 08/03/2012

Received By: Joanna Mueller

Date Analyzed: 08/14/2012

Analyzed By: Sandy Baker

Methodology: CARB 435

Client: AMEC NOVI, MI

Doug Saigh

46850 Magellan Drive Ste 190

Novi, Michigan 48377

Project: Lake Linden C&H Power Plant Site

Project Location: Torch Lake, Michigan (LLI01)

Project Number: 3293-11-1440 Task 2300

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
006	LLI01-10-0006- SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.50 Amosite 0.20 1000 Point Count	NA	Sand
007	LLI01-10-0602- SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.50 Amosite 0.40 1000 Point Count	NA	Sand
008	LLI01-10-0205- SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.20 Amosite 0.30 1000 Point Count	NA	Sand
009	LLI01-04-0006- SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.40 Amosite 0.20 1000 Point Count	NA	Sand

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 211116

Account Number: B894

Date Received: 08/03/2012

Received By: Joanna Mueller

Date Analyzed: 08/14/2012

Analyzed By: Sandy Baker

Methodology: CARB 435

Client: AMEC NOVI, MI

Doug Saigh

46850 Magellan Drive Ste 190

Novi, Michigan 48377

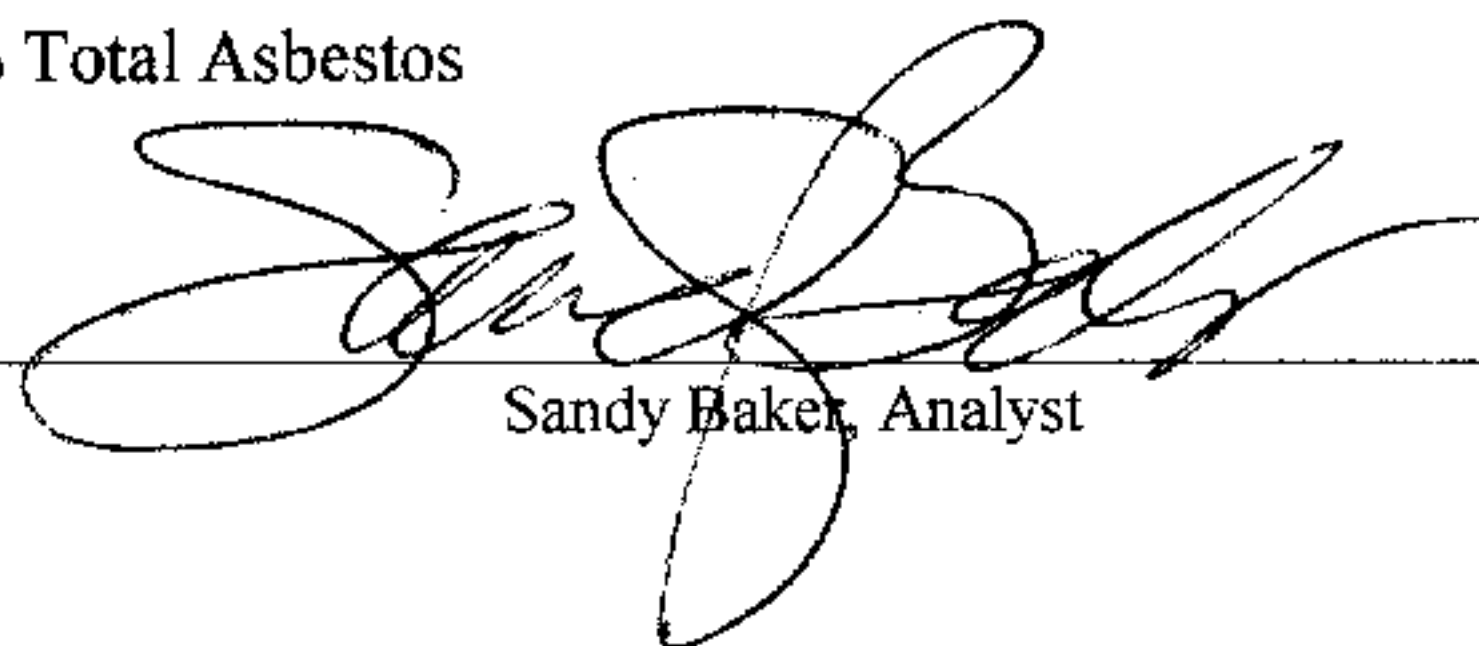
Project: Lake Linden C&H Power Plant Site

Project Location: Torch Lake, Michigan (LLI01)

Project Number: 3293-11-1440 Task 2300

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
010	LLI01-04-0602-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.20 Amosite 0.10 1000 Point Count	NA	Sand
011	LLI01-04-0205-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.30 Amosite 0.10 1000 Point Count	NA	Sand
012	LLI01-DP10-XXXX-SSFD	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.40 Amosite 0.20 1000 Point Count	NA	Sand
013	LLI01-DP11-XXXX-SSFD	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.90 Amosite 0.50 1000 Point Count	NA	Sand

1.40% Total Asbestos



Sandy Baker, Analyst

8/14/2012

Date of Report

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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Contact Information		Project Information	
Company:	AMEC Environment & Infrastructure	Project Name:	Lake Linden C&H Power Plant Site
Contact:	Douglas Saigh	Project Location:	Torch Lake, Michigan (4402)
Account #:		Project ID:	3293-11-1440 Task 2300
Phone:	(248) 313-3691		
Call Phone:	(586) 382-0850		
E-mail:	doug.saigh@amec.com		

Sampled By:	Name: EAS/KLC	Date: 7/30/12
RELINQUISHED BY:	DATE & TIME	VIA
	8/1/12 1530	FedEx

REQUESTED SERVICES (Please check the appropriate boxes)									
PLM		PLM		TEM		TEM		TURNAROUND TIME	
<input type="checkbox"/>	Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/>	Vermiculite Attic Insulation (EPA 600/R-04/0004)	<input type="checkbox"/>	Air-AHERA	<input type="checkbox"/>	Bulk- Presence / Absence EPA600/R-93/116	<input type="checkbox"/>	Rush
<input type="checkbox"/>	400 Point Count	<input type="checkbox"/>	Other	<input type="checkbox"/>	Air- NIOSH 7402	<input type="checkbox"/>	Bulk- Quantitative [weight%]- Chatfield	<input checked="" type="checkbox"/>	Same Day
<input checked="" type="checkbox"/>	1000 Point Count			<input type="checkbox"/>	Air- ISO 10312	<input type="checkbox"/>	Dust- Presence / Absence	<input type="checkbox"/>	24 - Hour
<input type="checkbox"/>	Gravimetric Preparation		PCM	<input type="checkbox"/>	Drinking Water- EPA 100.2	<input type="checkbox"/>	Dust- Quantitative [fibers/sq.cm]- ASTM D5755	<input type="checkbox"/>	3 - Day
<input type="checkbox"/>	Particle ID	<input type="checkbox"/>	NIOSH 7400	<input type="checkbox"/>	Waste Water- EPA 600/4-83-043	<input checked="" type="checkbox"/>	Other CARB 435	<input checked="" type="checkbox"/>	5 - Day

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	66-0006-SSXX	<input checked="" type="checkbox"/>		collected 835 7/30/12		
2	66-0002-SSXX	<input checked="" type="checkbox"/>		collected 837 7/30/12		
3	57-0006-SSXX	<input checked="" type="checkbox"/>		collected 904 7/30/12		
4	57-0002-SSXX	<input checked="" type="checkbox"/>		collected 905 7/30/12		
5	57-0203-SSXX	<input checked="" type="checkbox"/>		collected 906 7/30/12		
6	10-0006-SSXX	<input checked="" type="checkbox"/>		collected 1033 7/30/12		
7	10-0002-SSXX	<input checked="" type="checkbox"/>		collected 1041 7/30/12		
8	10-0203-SSXX	<input checked="" type="checkbox"/>		collected 1044 7/30/12		
9		<input checked="" type="checkbox"/>		See Pg. 2		
10		<input type="checkbox"/>				



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Lab No. <u>211116</u>
<input checked="" type="radio"/> Accept <input type="radio"/> Reject

Project Information				Project Name: Lake Linden C&H Power Plant Site	Project Location: Torch Lake, Michigan	
No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	04-0006-SSXX	<input checked="" type="checkbox"/>		collected 1054 7/30/12		
12	04-0602-SSXX	<input checked="" type="checkbox"/>		collected 1059 7/30/12		
13	04-0205-SSXX	<input checked="" type="checkbox"/>		collected 1106 7/30/12		
14	DP10-XXXX-SSFD	<input checked="" type="checkbox"/>				
15	DP11-XXXX-SSFD	<input checked="" type="checkbox"/>				
16		<input type="checkbox"/>				
17		<input type="checkbox"/>				
18		<input type="checkbox"/>				
19		<input type="checkbox"/>				
20		<input type="checkbox"/>				
21		<input type="checkbox"/>				
22		<input type="checkbox"/>				
23		<input type="checkbox"/>				
24		<input type="checkbox"/>				
25		<input type="checkbox"/>				
26		<input type="checkbox"/>				
27		<input type="checkbox"/>				
28		<input type="checkbox"/>				
29		<input type="checkbox"/>				
30		<input type="checkbox"/>				

9
10
11
12
13



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AMEC NOVI, MI
Doug Saigh
46850 Magellan Drive
Novi, Michigan 48377

Re: QuantEM ID 211114

QuantEM appreciates the opportunity to provide analytical testing services to you. Attached are your reports and other supporting documentation for the above referenced project.

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 211114

Account Number: B894

Date Received: 08/03/2012

Received By: Joanna Mueller

Date Analyzed: 08/15/2012

Analyzed By: Sandy Baker

Methodology: CARB 435

Client: AMEC NOVI, MI

Doug Saigh

46850 Magellan Drive Ste 190

Novi, Michigan 48377

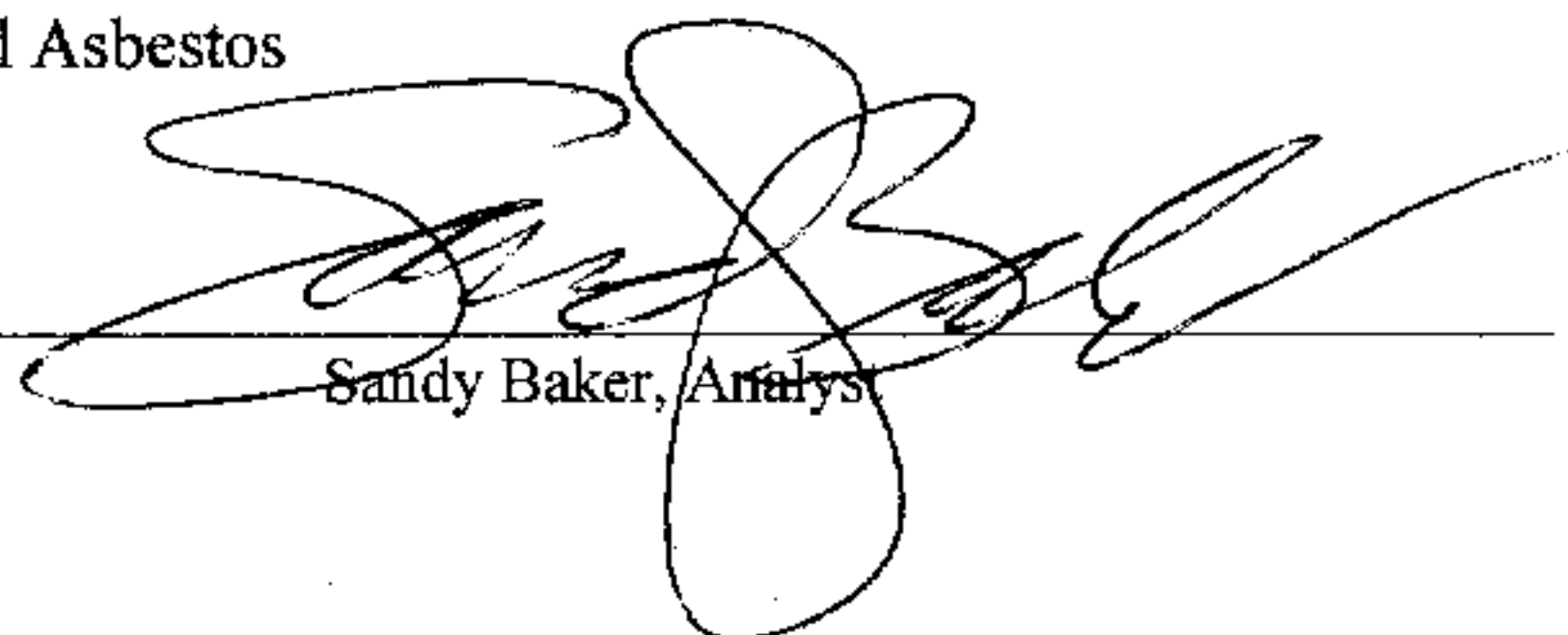
Project: Lake Linden C&H Power Plant Site

Project Location: Torch Lake, Michigan (LLI01)

Project Number: 3293-11-1440 Task 2300

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	LLI01-01-0006-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.40 Amosite 0.40 1000 Point Count	NA	Sand
002	LLI01-01-0602-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.90 Amosite 0.60 1000 Point Count	NA	Sand
1.50% Total Asbestos						
003	LLI01-01-0205-SSXX	Homogeneous	Brown Soil	Asbestos Present Chrysotile 0.50 Amosite 0.40 1000 Point Count	NA	Sand
004	LLI01-DP12-XXXX-SSFD	Homogeneous	Brown Soil	Asbestos Present Chrysotile 1.10 Amosite 0.80 1000 Point Count	NA	Sand

1.90% Total Asbestos


Sandy Baker, Analyst

8/15/2012

Date of Report

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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Page 1 of 1

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Lab No. <u>211114</u>	Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>

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Contact Information		Project Information	
Company: AMEC Environment & Infrastructure	Phone: (248) 313-3691	Project Name: Lake Linden C&H Power Plant Site	Report Results (check one box)
Contact: Douglas Saigh	Cell Phone: (586) 382-0850	Project Location: Torch Lake, Michigan (11101)	<input type="checkbox"/> QuanTEM Website
Account #:	E-mail: doug.saigh@amec.com	Project ID: 3293-11-1440 Task 2300	<input checked="" type="checkbox"/> Other email

Sampled By: <u>EAS/KLC</u>	Name: <u>8/1/12</u>	Date: <u>8/1/12</u>
RELINQUISHED BY: <u>[Signature]</u>	DATE & TIME: <u>8/1/12 1330</u>	VIA: <u>FEDEX</u>
RECEIVED BY: <u>[Signature]</u>		DATE & TIME: <u>8/3/12 9:30</u>

REQUESTED SERVICES (Please check the appropriate boxes)			
PLM	PLM	TEM	TEM
<input type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/> Air- AHERA	<input type="checkbox"/> Bulk- Presence / Absence EPA600/R-93/116
<input type="checkbox"/> 400 Point Count	<input type="checkbox"/> Other	<input type="checkbox"/> Air- NIOSH 7402	<input type="checkbox"/> Bulk- Quantitative [weight%]- Chatfield
<input checked="" type="checkbox"/> 1000 Point Count		<input type="checkbox"/> Air- ISO 10312	<input type="checkbox"/> Dust- Presence / Absence
<input type="checkbox"/> Gravimetric Preparation	PCM	<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Dust- Quantitative [fibers/sq.cm]- ASTM D5755
<input type="checkbox"/> Particle ID	<input type="checkbox"/> NIOSH 7400	<input type="checkbox"/> Waste Water- EPA 600/4-83-043	<input checked="" type="checkbox"/> Other CARB 435
TURNAROUND TIME			
		<input type="checkbox"/> Rush	<input type="checkbox"/> Same Day
		<input type="checkbox"/> 24 - Hour	<input type="checkbox"/> 3 - Day
		<input checked="" type="checkbox"/> 5 - Day	

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	11101 - 01-0006-SSX	<input checked="" type="checkbox"/>		collected 1255		
2	01-0602-SSXV	<input checked="" type="checkbox"/>		collected 1256		
3	01- 8205 - SSXX	<input checked="" type="checkbox"/>		collected 1257		
4	DP12-XXXX-SSFD	<input checked="" type="checkbox"/>				
5		<input type="checkbox"/>				
6		<input type="checkbox"/>				
7		<input type="checkbox"/>				
8		<input type="checkbox"/>				
9		<input type="checkbox"/>				
10		<input type="checkbox"/>				



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Transmission Electron Microscopy Asbestos Analysis Report

Quantem Sample ID: 212570-005
Date Received: September 13, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-14XX-AC02
Sample Volume: 424.9

Analyzed By: Leigh Armstrong

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45µm 25 mm MCE

Number of Grid Openings: 83
Area Analyzed: 0.913 mm²
Grid Archival: 2176 D4 D5 E1 E2 E3 E4 E5
A6 A7 A8 A9 A10 B6 B7 B8
B9 B10

Analysis Summary

Analytical Sensitivity: 0.001 s/cc
Detection Limit: 0.003 s/cc

Number of primary asbestos structures: 21

Number of asbestos structures counted: 21

Number of asbestos structures >5µm: 11

Number of asbestos fibers & bundles >5µm: 8

Number of PCM equivalent asbestos structures: 0

Number of PCM equivalent asbestos fibers: 0

Total Concentration 0.021 s/cc

Amount of particulate exceeds ISO10312 guidelines. Analyzed per client request.

A handwritten signature in black ink, appearing to read "Joanna Mueller", is written over a horizontal line. Below the line, the text "(Reviewed and Approved)" is printed.

September 18, 2012

(Date)



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AMEC NOVI, MI
Doug Saigh
46850 Magellan Drive Ste 190
Novi, Michigan 48377

Re: QuantEM ID 212570

QuantEM appreciates the opportunity to provide analytical testing services to you. Attached are your reports and other supporting documentation for the above referenced project.

Thank you for making QuantEM your lab of choice. If you have any question concerning this or other reports please feel free to contact us at 800-822-1650.

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Respectfully,
QuantEM Laboratories, LLC.





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Transmission Electron Microscopy Asbestos Analysis Report

Quantem Sample ID: 212570-001
Date Received: September 13, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-13XX-AC01
Sample Volume: 417

Analyzed By: Leigh Armstrong

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45 μ m 25 mm MCE

Number of Grid Openings: 84
Area Analyzed: 0.924 mm²
Grid Archival: **2175** A1 A2 A3 A4 A5 B1
B2 B3 B4 B5 C1 C2 C3 C4
C5 D1 D2

Analysis Summary

Analytical Sensitivity:	0.001 s/cc
Detection Limit:	0.003 s/cc
Number of primary asbestos structures:	2
Number of asbestos structures counted:	2
Number of asbestos structures >5 μ m:	0
Number of asbestos fibers & bundles >5 μ m:	0
Number of PCM equivalent asbestos structures:	0
Number of PCM equivalent asbestos fibers:	0
Total Concentration	<0.003 s/cc

A handwritten signature in black ink, appearing to read "Joanna Mueller", is written over a horizontal line. Below the line, the text "(Reviewed and Approved)" is printed.

September 14, 2012

(Date)



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Transmission Electron Microscopy Asbestos Analysis Report

QuantEM Sample ID: 212570-002
Date Received: September 13, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-13XX-AC02
Sample Volume: 466

Analyzed By: Leigh Armstrong

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45 μ m 25 mm MCE

Number of Grid Openings: 76
Area Analyzed: 0.836 mm²
Grid Archival: 2175 D3 D4 D5 E1 E2 E3 E4
E5 A6 A7 A8 A9 A10 B6 B7 B8

Analysis Summary

Analytical Sensitivity: 0.001 s/cc
Detection Limit: 0.003 s/cc

Number of primary asbestos structures: 1
Number of asbestos structures counted: 1
Number of asbestos structures >5 μ m: 1
Number of asbestos fibers & bundles >5 μ m: 1
Number of PCM equivalent asbestos structures: 1
Number of PCM equivalent asbestos fibers: 1

Total Concentration

<0.003 s/cc


(Reviewed and Approved)

September 14, 2012

(Date)



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Transmission Electron Microscopy Asbestos Analysis Report

Quantem Sample ID: 212570-003
Date Received: September 13, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-13XX-AC03
Sample Volume: 460

Analyzed By: Leigh Armstrong

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45µm 25 mm MCE

Number of Grid Openings: 77
Area Analyzed: 0.847 mm²
Grid Archival: 2175 B9 B10 C6 C7 C8 C9
C10 D6 D7 D8 D9 D10 E6
E7 E8 E9

Analysis Summary

Analytical Sensitivity:	0.001 s/cc
Detection Limit:	0.003 s/cc
Number of primary asbestos structures:	1
Number of asbestos structures counted:	1
Number of asbestos structures >5µm:	0
Number of asbestos fibers & bundles >5µm:	0
Number of PCM equivalent asbestos structures:	0
Number of PCM equivalent asbestos fibers:	0

Total Concentration

<0.003 s/cc



(Reviewed and Approved)

September 14, 2012

(Date)



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Transmission Electron Microscopy Asbestos Analysis Report

QuanTEM Sample ID: 212570-004
Date Received: September 13, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-14XX-AC01
Sample Volume: 408.8

Analyzed By: Leigh Armstrong

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45µm 25 mm MCE

Number of Grid Openings: 86
Area Analyzed: 0.946 mm²
Grid Archival: 2176 A1 A2 A3 A4 A5 B1 B2 B3
B4 B5 C1 C2 C3 C4 C5 D1 D2
D3

Analysis Summary

Analytical Sensitivity: 0.001 s/cc
Detection Limit: 0.003 s/cc

Number of primary asbestos structures: 23

Number of asbestos structures counted: 23

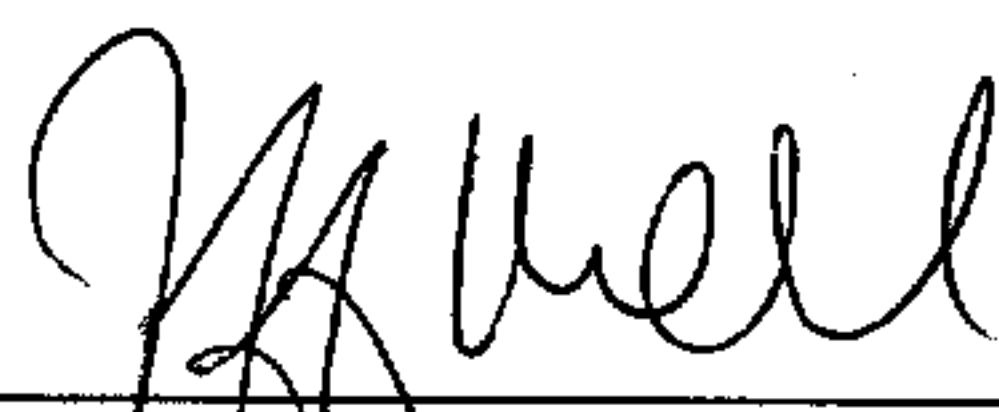
Number of asbestos structures >5µm: 4

Number of asbestos fibers & bundles >5µm: 2

Number of PCM equivalent asbestos structures: 0

Number of PCM equivalent asbestos fibers: 0

Total Concentration 0.023 s/cc



(Reviewed and Approved)

September 14, 2012

(Date)



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Transmission Electron Microscopy Asbestos Analysis Report

QuantEM Sample ID: 212570-006
Date Received: September 13, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-14XX-AC03
Sample Volume: 413.8

Analyzed By: Leigh Armstrong

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45 μ m 25 mm MCE

Number of Grid Openings: 85
Area Analyzed: 0.935 mm²
Grid Archival: 2176 C6 C7 C8 C9 C10 D6 D7
D8 D9 D10 E6 E7 E8 E9 E10
2177 A1 A2

Analysis Summary

Analytical Sensitivity: 0.001 s/cc
Detection Limit: 0.003 s/cc

Number of primary asbestos structures: 13

Number of asbestos structures counted: 15

Number of asbestos structures >5 μ m: 2

Number of asbestos fibers & bundles >5 μ m: 1

Number of PCM equivalent asbestos structures: 0

Number of PCM equivalent asbestos fibers: 0

Total Concentration

0.015 s/cc

A handwritten signature in black ink, appearing to be "J. Mueller", is written over a horizontal line. Below the line, the text "(Reviewed and Approved)" is printed.

September 14, 2012

(Date)



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Transmission Electron Microscopy Asbestos Analysis Report

QuantEM Sample ID: 212570-007
Date Received: September 13, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-XXXX-BL01
Sample Volume: Not Applicable

Analyzed By: Leigh Armstrong

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45µm 25 mm MCE

Number of Grid Openings: 10
Area Analyzed: 0.110 mm²
Grid Archival: 2177 A3 A4 A5

Analysis Summary

Analytical Sensitivity: Not Applicable
Detection Limit: Not Applicable

Number of primary asbestos structures: 0

Number of asbestos structures counted: 0

Number of asbestos structures >5µm: 0

Number of asbestos fibers & bundles >5µm: 0

Number of PCM equivalent asbestos structures: 0

Number of PCM equivalent asbestos fibers: 0

Total Concentration

None Detected

A handwritten signature in black ink, appearing to read 'J. Mueller', is written over a horizontal line.

(Reviewed and Approved)

September 14, 2012

(Date)



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Transmission Electron Microscopy Asbestos Analysis Report

QuanTEM Sample ID: 212570-008
Date Received: September 13, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-12XX-AC01
Sample Volume: 349

Analyzed By: Leigh Armstrong

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45µm 25 mm MCE

Number of Grid Openings: 101
Area Analyzed: 1.111 mm²
Grid Archival: 2177 B1 B2 B3 B4 B5 C1 C2
C3 C4 C5 D1 D2 D3 D4 D5
E1 E2 E3 E4 E5 A6

Analysis Summary

Analytical Sensitivity: 0.001 s/cc
Detection Limit: 0.003 s/cc

Number of primary asbestos structures: 0

Number of asbestos structures counted: 0

Number of asbestos structures >5µm: 0

Number of asbestos fibers & bundles >5µm: 0

Number of PCM equivalent asbestos structures: 0

Number of PCM equivalent asbestos fibers: 0

Total Concentration <0.003 s/cc

A handwritten signature in black ink, appearing to read "Joanna Mueller", is written over a horizontal line. Below the line, the text "(Reviewed and Approved)" is printed.

September 14, 2012

(Date)



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Transmission Electron Microscopy Asbestos Analysis Report

Quantem Sample ID: 212570-009
Date Received: September 13, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-12XX-AC02
Sample Volume: 504

Analyzed By: Leigh Armstrong

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45 μ m 25 mm MCE

Number of Grid Openings: 70
Area Analyzed: 0.770 mm²
Grid Archival: 2177 A7 A8 A9 A10 B6 B7 B8
B9 B10 C6 C7 C8 C9 C10

Analysis Summary

Analytical Sensitivity: 0.001 s/cc
Detection Limit: 0.003 s/cc

Number of primary asbestos structures: 1

Number of asbestos structures counted: 1

Number of asbestos structures >5 μ m: 0

Number of asbestos fibers & bundles >5 μ m: 0

Number of PCM equivalent asbestos structures: 0

Number of PCM equivalent asbestos fibers: 0

Total Concentration <0.003 s/cc

A handwritten signature in black ink, appearing to read 'Joanna Mueller', is written over a horizontal line.

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September 14, 2012

(Date)



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Transmission Electron Microscopy Asbestos Analysis Report

QuantEM Sample ID: 212570-010
Date Received: September 13, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-12XX-AC03
Sample Volume: 530

Analyzed By: Leigh Armstrong

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45µm 25 mm MCE

Number of Grid Openings: 67
Area Analyzed: 0.737 mm²
Grid Archival: 2177 D6 D7 D8 D9 D10 E6 E7
E8 E9 E10
2178 A1 A2 A3 A4

Analysis Summary

Analytical Sensitivity:	0.001 s/cc
Detection Limit:	0.003 s/cc
Number of primary asbestos structures:	1
Number of asbestos structures counted:	1
Number of asbestos structures >5µm:	0
Number of asbestos fibers & bundles >5µm:	0
Number of PCM equivalent asbestos structures:	0
Number of PCM equivalent asbestos fibers:	0

Total Concentration

<0.003 s/cc

A handwritten signature in black ink, appearing to read "Leigh Armstrong", is written over a horizontal line. Below the line, the text "(Reviewed and Approved)" is printed.

(Reviewed and Approved)

September 14, 2012

(Date)



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For Lab Use Only	
Lab No. <u>212570</u>	Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>
Report Results (<input checked="" type="checkbox"/> one box)	
<input type="checkbox"/> QuanTEM Website	<input checked="" type="checkbox"/> Other_email

Contact Information		Project Information	
Company: AMEC Environment & Infrastructure	Phone: (248) 313-3691	Project Name: Lake Linden C&H Power Plant Site	
Contact: Douglas Saigh	Cell Phone: (586) 382-0805	Project Location: Torch Lake Twp., Michigan	
Account #:	E-mail: doug.saigh@amec.com	Project ID: 3293-11-1440 Task 2300	

Sampled By: <u>[Signature]</u>	Name: <u>Kurt L. Cunningham</u>	Date: <u>9/11/12 + 9/12/12</u>
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RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<u>[Signature]</u>	<u>9/12/12 1620</u>		<u>FedEx</u>	
			<u>C. Muller</u>	<u>9/13/12 9:10</u>

REQUESTED SERVICES (Please ☒ the Appropriate Boxes)

	PLM		PLM		TEM		TEM		TURNAROUND TIME			
	Bulk Analysis (EPA 600/R-93/116)	400 Point Count	Vermiculite Attic Insulation (EPA 600/R-04/004)	Other	Air- AHERA	Air- NIOSH 7402	Air- ISO 10312	Bulk- Presence / Absence EPA600/R-93/116	Bulk- Quantitative [weight%]- Chatfield	Dust- Presence / Absence	Dust- Quantitative [fibers/sq.cm]- ASTM D5755	Other
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	42101-13XX-AC01	<input checked="" type="checkbox"/>		ABS Air Sample	417L	166 minutes @ 2.513 L/min 9/11/12
2	42101-13XX-AC02	<input checked="" type="checkbox"/>		"	466L	146 min @ 3.66 L/min 9/11/12
3	42101-13XX-AC03	<input checked="" type="checkbox"/>		"	460L	166 min @ 2.77 L/min 9/11/12
4	42101-14XX-AC01	<input checked="" type="checkbox"/>		"	408.8L	149 min @ 2.744 L/min 9/11/12
5	42101-14XX-AC02	<input checked="" type="checkbox"/>		"	424.9L	149 min @ 2.852 L/min 9/11/12
6	42101-14XX-AC03	<input checked="" type="checkbox"/>		"	413.8L	149 min @ 2.778 L/min 9/11/12
7	42101-14XX-AC01	<input checked="" type="checkbox"/>		Blank		
8	42101-12XX-AC01	<input checked="" type="checkbox"/>		ABS Air Sample	349L	187 min @ 1.87 9/12/12
9	42101-12XX-AC02	<input checked="" type="checkbox"/>		"	504L	187 min @ 2.70 9/12/12
10	42101-12XX-AC03	<input checked="" type="checkbox"/>		"	530L	187 min @ 2.93 9/12/12



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

AMEC NOVI, MI
Doug Saigh
46850 Magellan Drive Ste 190
Novi, Michigan 48377

Re: Quantem ID 212633

Quantem appreciates the opportunity to provide analytical testing services to you. Attached are your reports and other supporting documentation for the above referenced project.

Thank you for making Quantem your lab of choice. If you have any question concerning this or other reports please feel free to contact us at 800-822-1650.

We continually work to improve our service. Help us out by providing feed back on your experience at www.QuanTEM.com. Click on Service Survey and fill out the form. We look forward to hearing from you.

Respectfully,
Quantem Laboratories, LLC.





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Transmission Electron Microscopy Asbestos Analysis Report

QuantEM Sample ID: 212633-001
Date Received: September 14, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-07XX-AC01
Sample Volume: 498.75

Analyzed By: L. Armstrong / J. Mlekush

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45µm 25 mm MCE

Number of Grid Openings: 71
Area Analyzed: 0.781 mm²
Grid Archival: 2181 A1 A2 A3 A4 A5
B1 B2 B3 B4 B5
C1 C2 C3 C4 C5

Analysis Summary

Analytical Sensitivity: 0.001 s/cc
Detection Limit: 0.003 s/cc

Number of primary asbestos structures: 0

Number of asbestos structures counted: 0

Number of asbestos structures >5µm: 0

Number of asbestos fibers & bundles >5µm: 0

Number of PCM equivalent asbestos structures: 0

Number of PCM equivalent asbestos fibers: 0

Total Concentration <0.003 s/cc

A handwritten signature in black ink, appearing to read "J. Mlekush", is written over a horizontal line.

(Reviewed and Approved)

September 17, 2012

(Date)



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Transmission Electron Microscopy Asbestos Analysis Report

Quantem Sample ID: 212633-002
Date Received: September 14, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-07XX-AC02
Sample Volume: 495.6

Analyzed By: L. Armstrong / J. Mlekush

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45µm 25 mm MCE

Number of Grid Openings: 71
Area Analyzed: 0.781 mm²
Grid Archival: 2181 D1 D2 D3 D4 D5
E1 E2 E3 E4 E5
A6 A7 A8 A9 A10

Analysis Summary

Analytical Sensitivity: 0.001 s/cc
Detection Limit: 0.003 s/cc

Number of primary asbestos structures: 1

Number of asbestos structures counted: 1

Number of asbestos structures >5µm: 0

Number of asbestos fibers & bundles >5µm: 0

Number of PCM equivalent asbestos structures: 0

Number of PCM equivalent asbestos fibers: 0

Total Concentration <0.003 s/cc

A handwritten signature in black ink, appearing to read "Joanna Mueller". The signature is written in a cursive, flowing style. Below the signature is a horizontal line, and below that line is the text "(Reviewed and Approved)".

(Reviewed and Approved)

September 17, 2012
(Date)



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Transmission Electron Microscopy Asbestos Analysis Report

Quantem Sample ID: 212633-003
Date Received: September 14, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-07XX-AC03
Sample Volume: 485.78

Analyzed By: L. Armstrong / J. Mlekush

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45µm 25 mm MCE

Number of Grid Openings: 73
Area Analyzed: 0.803 mm²
Grid Archival: 2181 B6 B7 B8 B9 B10
C6 C7 C8 C9 C10
D6 D7 D8 D9 D10

Analysis Summary

Analytical Sensitivity: 0.001 s/cc
Detection Limit: 0.003 s/cc

Number of primary asbestos structures: 0

Number of asbestos structures counted: 0

Number of asbestos structures >5µm: 0

Number of asbestos fibers & bundles >5µm: 0

Number of PCM equivalent asbestos structures: 0

Number of PCM equivalent asbestos fibers: 0

Total Concentration <0.003 s/cc

A handwritten signature in black ink, appearing to read "J. Mueller", is written over a horizontal line. Below the line, the text "(Reviewed and Approved)" is printed.

(Reviewed and Approved)

September 17, 2012

(Date)



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Transmission Electron Microscopy Asbestos Analysis Report

Quantem Sample ID: 212633-004
Date Received: September 14, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-35XX-AC01
Sample Volume: 477.38

Analyzed By: L. Armstrong / J. Mlekush

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45µm 25 mm MCE

Number of Grid Openings: 74
Area Analyzed: 0.814 mm²
Grid Archival: 2181 E6 E7 E8 E9 E10
2182 A1 A2 A3 A4 A5
B1 B2 B3 B4 B5

Analysis Summary

Analytical Sensitivity: 0.001 s/cc
Detection Limit: 0.003 s/cc

Number of primary asbestos structures: 23

Number of asbestos structures counted: 35

Number of asbestos structures >5µm: 9

Number of asbestos fibers & bundles >5µm: 5

Number of PCM equivalent asbestos structures: 1

Number of PCM equivalent asbestos fibers: 1

Total Concentration 0.035 s/cc

A handwritten signature in black ink, appearing to read "J. Mueller", is written over a horizontal line. Below the line, the text "(Reviewed and Approved)" is printed.

(Reviewed and Approved)

September 17, 2012

(Date)



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Transmission Electron Microscopy Asbestos Analysis Report

Quantem Sample ID: 212633-005
Date Received: September 14, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-20XX-AC01
Sample Volume: 510.23

Analyzed By: L. Armstrong / J. Mlekush

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45 μ m 25 mm MCE

Number of Grid Openings: 69
Area Analyzed: 0.759 mm²
Grid Archival: **2182** C1 C2 C3 C4 C5
D1 D2 D3 D4 D5
E1 E2 E3 E4

Analysis Summary

Analytical Sensitivity: 0.001 s/cc
Detection Limit: 0.003 s/cc

Number of primary asbestos structures: 6

Number of asbestos structures counted: 6

Number of asbestos structures >5 μ m: 1

Number of asbestos fibers & bundles >5 μ m: 1

Number of PCM equivalent asbestos structures: 0

Number of PCM equivalent asbestos fibers: 0

Total Concentration 0.006s/cc

A handwritten signature in black ink, appearing to read 'J. Mueller', is written over a horizontal line.

(Reviewed and Approved)

September 17, 2012

(Date)



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Transmission Electron Microscopy Asbestos Analysis Report

Quantem Sample ID: 212633-006
Date Received: September 14, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-05XX-AC01
Sample Volume: 428

Analyzed By: L. Armstrong / J. Mlekush

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45µm 25 mm MCE

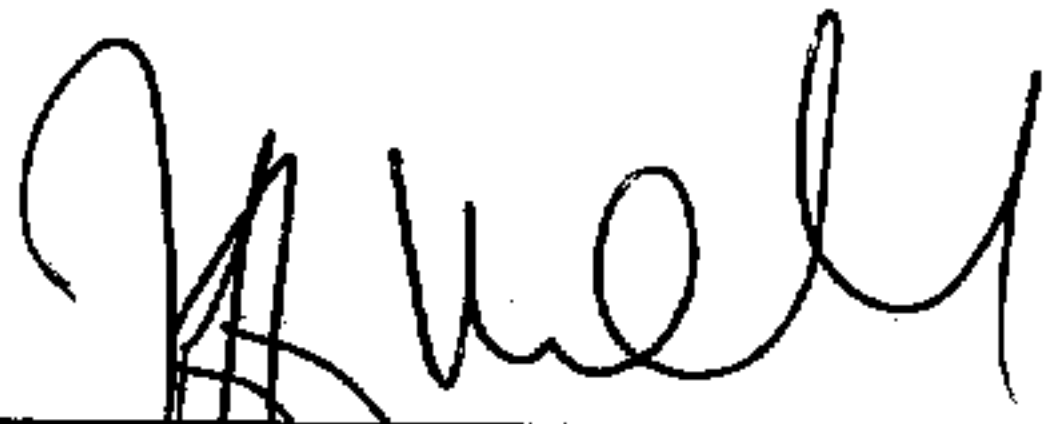
Number of Grid Openings: 82
Area Analyzed: 0.902 mm²
Grid Archival: **2182** E5 A6 A7 A8 A9 A10
B6 B7 B8 B9 B10
C6 C7 C8 C9 C10 D6

Analysis Summary

Analytical Sensitivity: 0.001 s/cc
Detection Limit: 0.003 s/cc

Number of primary asbestos structures: 1
Number of asbestos structures counted: 1
Number of asbestos structures >5µm: 1
Number of asbestos fibers & bundles >5µm: 1
Number of PCM equivalent asbestos structures: 0
Number of PCM equivalent asbestos fibers: 0

Total Concentration <0.003 s/cc



(Reviewed and Approved)

September 17, 2012

(Date)



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Transmission Electron Microscopy Asbestos Analysis Report

QuantEM Sample ID: 212633-007
Date Received: September 14, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-05XX-AC02
Sample Volume: 467.4

Analyzed By: L. Armstrong / J. Mlekush

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45µm 25 mm MCE

Number of Grid Openings: 75
Area Analyzed: 0.825 mm²
Grid Archival: 2182 D7 D8 D9 D10
E6 E7 E8 E9 E10
2183 A1 A2 A3 A4 A5 B1

Analysis Summary

Analytical Sensitivity: 0.001 s/cc
Detection Limit: 0.003 s/cc

Number of primary asbestos structures: 4

Number of asbestos structures counted: 4

Number of asbestos structures >5µm: 2

Number of asbestos fibers & bundles >5µm: 0

Number of PCM equivalent asbestos structures: 0

Number of PCM equivalent asbestos fibers: 0

Total Concentration 0.004 s/cc

A handwritten signature in black ink, appearing to read "J. Mueller", is written over a horizontal line. Below the line, the text "(Reviewed and Approved)" is printed.

September 17, 2012
(Date)



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Transmission Electron Microscopy Asbestos Analysis Report

QuanTEM Sample ID: 212633-008
Date Received: September 14, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-20XX-AC02
Sample Volume: 516.4

Analyzed By: L. Armstrong / J. Mlekush

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45µm 25 mm MCE

Number of Grid Openings: 68
Area Analyzed: 0.748 mm²
Grid Archival: **2183** B2 B3 B4 B5 C1
C2 C3 C4 C5 D1
D2 D3 D4 D5

Analysis Summary

Analytical Sensitivity: 0.001 s/cc
Detection Limit: 0.003 s/cc

Number of primary asbestos structures: 31

Number of asbestos structures counted: 31

Number of asbestos structures >5µm: 13

Number of asbestos fibers & bundles >5µm: 8

Number of PCM equivalent asbestos structures: 0

Number of PCM equivalent asbestos fibers: 0

Total Concentration 0.031 s/cc

A handwritten signature in black ink, appearing to be "J. Mueller", is written over a horizontal line. Below the line, the text "(Reviewed and Approved)" is printed.

September 17, 2012

(Date)



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Transmission Electron Microscopy Asbestos Analysis Report

QuantEM Sample ID: 212633-009
Date Received: September 14, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-35XX-AC02
Sample Volume: 460.7

Analyzed By: L. Armstrong / J. Mlekush

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45µm 25 mm MCE

Number of Grid Openings: 76
Area Analyzed: 0.836 mm²
Grid Archival: **2183** E1 E2 E3 E4 E5
A6 A7 A8 A9 A10
B6 B7 B8 B9 B10 C6

Analysis Summary

Analytical Sensitivity: 0.001 s/cc
Detection Limit: 0.003 s/cc

Number of primary asbestos structures: 75

Number of asbestos structures counted: 95

Number of asbestos structures >5µm: 22

Number of asbestos fibers & bundles >5µm: 13

Number of PCM equivalent asbestos structures: 4

Number of PCM equivalent asbestos fibers: 0

Total Concentration 0.095 s/cc

A handwritten signature in black ink, appearing to read "Joanna Mueller", is written over a horizontal line. Below the line, the text "(Reviewed and Approved)" is printed.

September 17, 2012

(Date)



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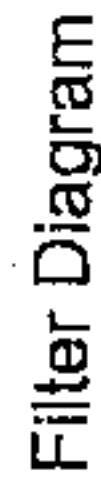
2033 Heritage Park Drive, Oklahoma City, OK 73120-7502
(800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

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Contact Information		Project Information	
Company: AMEC Environment & Infrastructure	Phone: (248) 313-3691	Project Name: Lake Linden C&H Power Plant Site	Report Results (one box) <input type="checkbox"/> Quantem Website <input checked="" type="checkbox"/> Other email
Contact: Douglas Saigh	Cell Phone: (586) 382-0805	Project Location: Torch Lake Twp., Michigan	
Account #:	E-mail: doug.saigh@amec.com	Project ID: 3293-11-1440 Task 2300	

Sampled By: Kurt L. Cunningham	Date: 9/12/12 + 9/13/12	RELINQUISHED BY: [Signature]	DATE & TIME: 9/12/12 1602	VIA: Fed Ex	RECEIVED BY: [Signature]	DATE & TIME: 9/14/12 9:30
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REQUESTED SERVICES (Please check the appropriate boxes)																						
No.	Sample ID (10 Characters Max)	To Be Analyzed	Date	Description	PLM		TEM		Volume / Area (as applicable)	Comments / Notes	TURNAROUND TIME											
					Bulk Analysis (EPA 600/R-93/116)	400 Point Count	1000 Point Count	Gravimetric Preparation				Particle ID	Vermiculite Attic Insulation (EPA 600/R-04/004)	Other	Air-AHERA	Air-NIOSH 7402	Air-ISO 10312	Drinking Water-EPA 100.2	Waste Water-EPA 600/4-83-043	Bulk-Presence / Absence EPA600/R-93/116	Bulk-Quantitative [weight%]- Chatfield	Dust-Presence / Absence
1	44T01-4C01	<input checked="" type="checkbox"/>	9/12/12	AB5						498.75	3.3256/m ² 150 min											
2	44T01-4C02	<input checked="" type="checkbox"/>	9/12/12	AB5						495.6	3.3046/m ² 150 min											
3	44T01-4C03	<input checked="" type="checkbox"/>	9/12/12	AB5						435.78	3.244/m ² 150 min											
4	44T01-4C04	<input checked="" type="checkbox"/>	9/13/12	AB5						477.38	3.18 150											
5	44T01-4C05	<input checked="" type="checkbox"/>	9/13/12	AB5						510.23	3.406 150											
6	44T01-4C06	<input checked="" type="checkbox"/>	9/13/12	AB5						428	2.833 151											
7	44T01-4C07	<input checked="" type="checkbox"/>	9/13/12	AB5						467.4	2.94 164											
8	44T01-4C08	<input checked="" type="checkbox"/>	9/13/12	AB5						516.4	3.00 178											
9	44T01-4C09	<input checked="" type="checkbox"/>	9/13/12	AB5						460.7	2.94 142											
10		<input type="checkbox"/>																				



Page 1 of 1

preparer's initials / date
Jm/LA 9/14/12

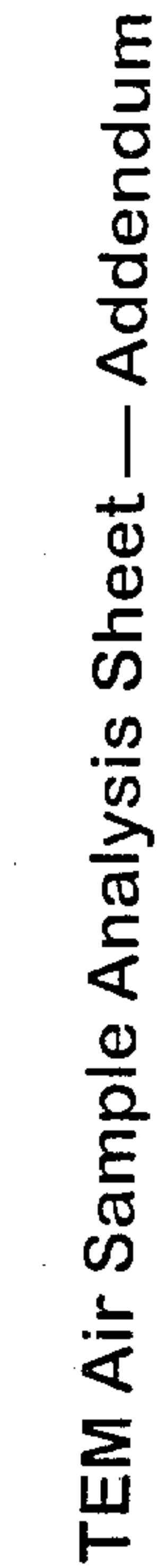
100.0

1.28

9/5/10

Analyzed by

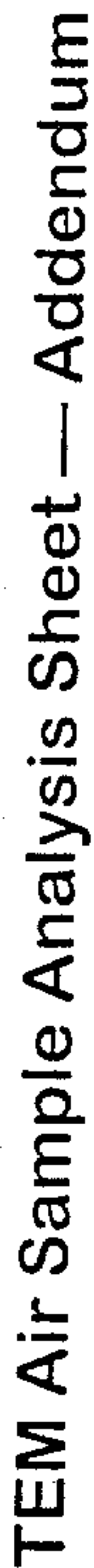
[illegible]



QuantEM Sample ID	Date Analyzed
212633-1	9/9/12

Client Sample ID LLI01-07XX-A001 Analyzed by gwell

[illegible]



9/5/12

LI01-07XX-AC01

alyzed by

Over

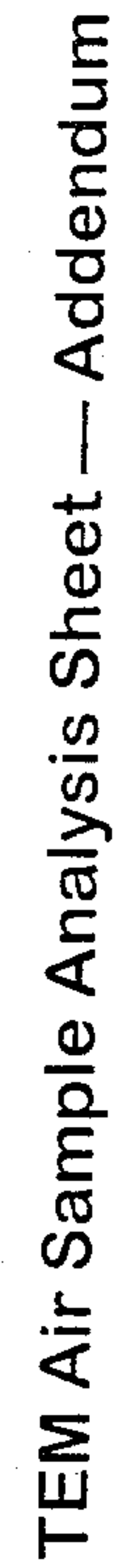
[illegible]



9/15/12

Analyzed by

[illegible]



9/5/12

Wes

[illegible]

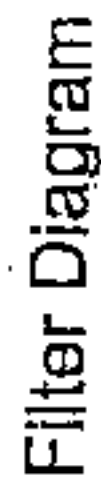


TEM Air Sample Analysis Sheet — Addendum

QuantEM Sample ID 212633-1 Date Analyzed 9/15/17
Client Sample ID LI101-07XX-A601 Analyzed by [Signature]

Grid Opening	Structure No.	Sketch	Length (μ)	Width (μ)	Type (F, B, M, C)	EDXA	SAED Pattern (C, A, N)	SAED Micrograph	SAED Line Space Camera Length cm	Conclusion
<u>4 I6</u>										<u>105g</u>
<u>52</u>										
<u>K1</u>										
<u>K8</u>										
<u>R6</u>										
<u>23 Q2</u>										
<u>34</u>										
<u>J6</u>										
<u>Q2</u>										
<u>Q8</u>										

125 X 55

Page 1 of 1


 Jun/28 9/14/12
 preparator's initials / date

preparer's initials / date
m/DA 9/14/12

Client AMEC-Nov:

G.O. Area

Analytical Sensitivity (s/cc)

01100

100-0

QuantEM

QuantEM
Sample ID 212633-2

No. GO

analyzed

12

Analytical Sensitivity (s/mm²)

1.28

Client:

Sample ID LL101-07XX-AC02

Filter Type

0.4514

25 mm MCE

Volume

495,6

Analyzed

0.781

Microscope /

JEOL 100CXII / 18150X

Analysis performed

TEM AHRA
F50103/2

Grid Archival

2181
(D1 D2 D3 D4 D5)
(E1 E2 E3 E4 E5)
A6 A7 A8 A9 A10





ing Voltage
100KeV

Analyzed by

Analyzed

9/15/12

Date

Grid Orient.		
Prep Evaluation		

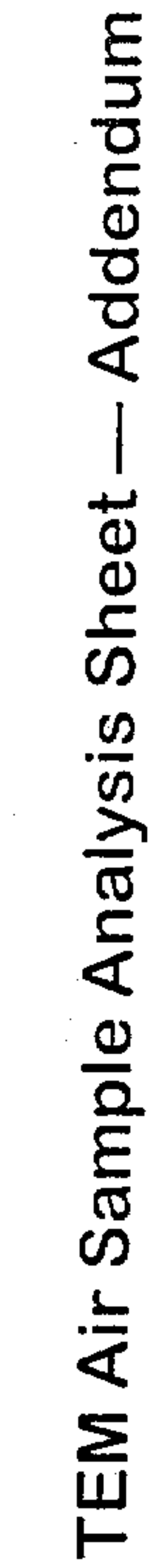
[illegible]



9/5/2

LI01-07XX-AC02 Analyzed by

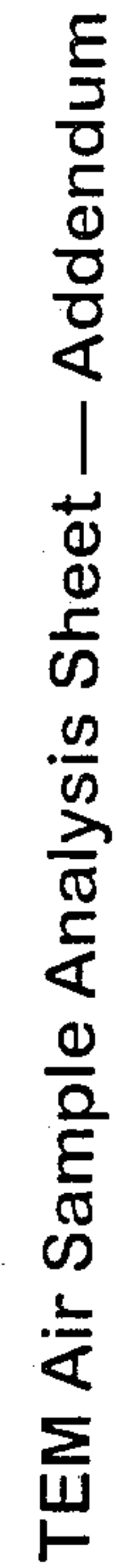
[illegible]



Date Analyzed 9/15/12

Analyzed by John

[illegible]


$$q/k/12$$

2006-XX-AC02ⁿ

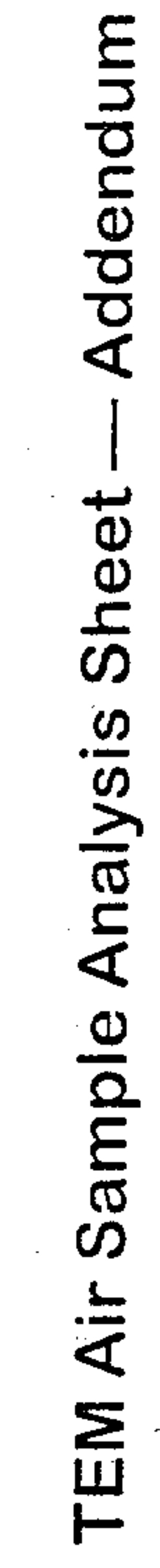
alyzed by

[illegible]

9/15/12

LLI01-07XX: ACo2 Analyzed by

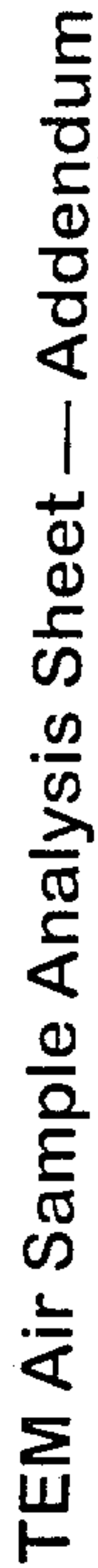
[illegible]



9/15/19

Uwe

[illegible]



212633-2

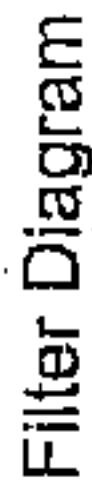
Date Analyzed

9/5/12

Client Sample ID

LLI01-07XX-AL02 Analyzed by

[illegible]

Page 1 of 8[illegible]



9/5/10

LI01-07XX-AC035

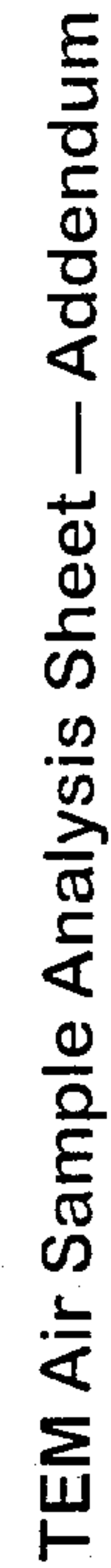
alyzed by

[illegible]



Client Sample ID LL101-07xx-1c03 analyzed by Jed

[illegible]



9/15/12

LLI01-07XX-4C03 Analyzed by

[illegible]

QuantEM	Sample ID
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98	98
99	99
100	100

212633-3

Date Analyzed

9/15/12

Client Sample ID

LLI01-07XX-AC03

Analyzed by

Paul

[illegible]

9/5/12

Analyzed by

[illegible]

**QuantEM
Sample ID**

212633-3

Date Analyzed

9/5/12

Client Sample ID

Analyzed by

LI 01-07XX-AC03

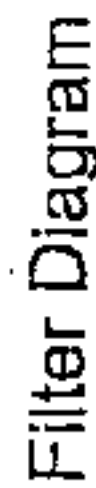
[illegible]



9/5/10

Analyzed by

[illegible]

Page 1 of 9[illegible]



TEM Air Sample Analysis Sheet — Addendum

Quantem Sample ID 212633-4 Date Analyzed 9/15/12
Client Sample ID LI01-35XVAG01 Analyzed by Quell

Grid Opening	Structure No.	Sketch	Length (μ)	Width (μ)	Type (F, B, M, C)	EDXA	SAED Pattern (C, A, N)	SAED Micrograph	SAED Line Space Camera Length cm	Conclusion
TE9 A#40 M										NS
51										
P4										
108										
112										
TE8 A3 P1	T2	3/4 5/10	11	0.15	M		C		5.34	Ch
	3/2	5/8	10	0.1						Ch
TE9	3/4		4.1	0.1						Ch
TE8	4/5		4.2	0.1						Ch
TE9	5/6		2.2	0.1						Ch



Quantem TEM Air Sample Analysis Sheet — Addendum

Quantem Sample ID 212633-4 Date Analyzed 9/15/12
Client Sample ID LI101-35XKACO1 Analyzed by [Signature]

Grid Opening	Structure No.	Sketch	Length (μ)	Width (μ)	Type (F, B, M, C)	EDXA	SAED Pattern (C, A, N)	SAED Micrograph	SAED Line Space Camera Length cm	Conclusion
<u>979</u> <u>67</u> <u>43</u> <u>N9</u>										<u>NSD</u>
<u>N7</u>										
<u>N1</u>										
<u>H1</u>	<u>7</u> <u>Eqm</u>	<u>SAED</u> <u>[Sketch]</u>	<u>6.1</u>	<u>0.1</u>	<u>F</u>		<u>C</u>		<u>5.3 Å</u>	<u>Ch</u>
<u>E10K1</u>	<u>8</u>	<u>[Sketch]</u>	<u>5.2</u>	<u>0.15</u>	<u>B</u>		<u>C</u>		<u>5.3 Å</u>	<u>Ch</u>
<u>K7</u>										<u>NSD</u>
<u>Q2</u>	<u>9</u>	<u>[Sketch]</u>	<u>1.8</u>	<u>0.2</u>	<u>M</u>		<u>C</u>		<u>5.3 Å</u>	<u>Ch</u>
	<u>10</u>	<u>[Sketch]</u>	<u>1.4</u>	<u>0.1</u>						<u>Ch</u>
	<u>11</u>	<u>GRID</u>	<u>0.55</u>	<u>0.1</u>						<u>Ch</u>
	<u>12</u>		<u>0.55</u>	<u>0.1</u>						<u>Ch</u>

Quantem Sample ID 212633-4 Date Analyzed 9/15/12

Client Sample ID LLI01-35 XX AC01 Analyzed by [Signature]

Grid Opening	Structure No.	Sketch	Length (μ)	Width (μ)	Type (F, B, M, C)	EDXA	SAED Pattern (C, A, N)	SAED Micrograph	SAED Line Space Camera Length _____ cm	Conclusion
E10 Q2 (cont.)	13		2.2	0.1						CH
	14		0.7	0.1						CH
	15		1.4	0.1						CH
	16		0.55	0.1						CH
Q9										USO
Q7										↓
F										
AL R1										
K4										
S3	17	117	14.4	0.02	F	MgSiFe	A		5.3 Å	Amos
	18	118	3.7	0.1	F		C		5.3 Å	CH

9/15/12

Analyzed by

[illegible]

QuantEM
Sample ID

212633-4

Date Analyzed

9/16/12

Client Sample ID

LLI 01- 33xx-Ae01

Analyzed by

2

[illegible]

QuantEM
Sample ID

212633-4

Date Analyzed

9/16/12

Client Sample ID

LLI01- 35xx-A601

Analyzed by

2

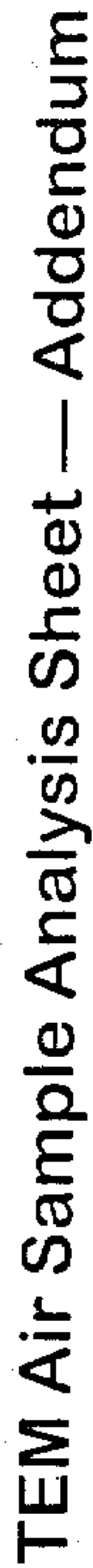
[illegible]

9/16/12

Analyzed by

2A

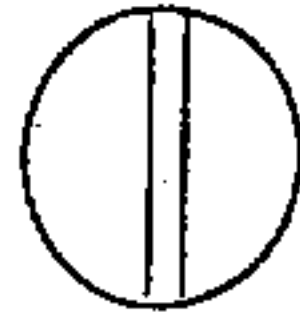
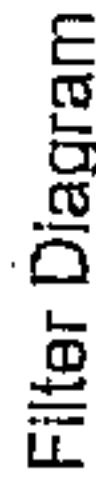
[illegible]



9/16/12

Analyzed by

[illegible]



m/DA 9/14/12

Client

AMEC-NOV:

G.O. Area

0-0-0

Analytical Sensitivity

100.0

QuantEM
Sample ID

Sample Data

No. GO

analyzed

5

Analytical Sensitivity

1.32

Client

Sample ID LL101-20XX-AL01

Filter Type

0.45μ 0.8μ 25 mm MCE

Volume

510.23

Area

Analyzed

6.759

Microscope /
Screen

JEOL 100CXII / 18150X

Analysis performed

TEMA AHERA

Grid Archival

2187 (5020 5620 10)
(01 02 03 04 05)

Accelerating

100KeV

Analyzed by

Date

Analyzed

9/16/12

Grid Orient.		
Prep Evaluation	Good Fair	Good Fair

[illegible]



9/6/2

Analyzed by

[illegible]

QuantEM	Sample ID
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98	98
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100	100

212633-5

Date Analyzed

9/16/10

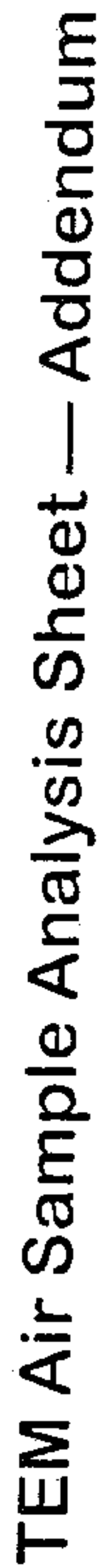
Client Sample ID

LLI 01-20xx-Alcon

Analyzed by

LA

[illegible]



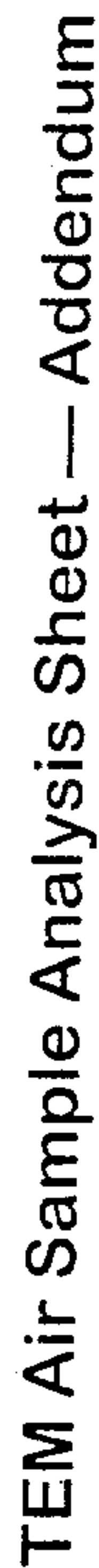
9/16/12

2

[illegible]

Analyzed by LA

[illegible]



212633-5

Date Analyzed

9/16/12

Client Sample ID

LLI 01-204-A607

Analyzed by

LA

[illegible]

QuantEM
Sample ID

212633-5

Date Analyzed

9/16/12

Client Sample ID

LLI 01-2044-4101

Analyzed by


2

[illegible]



Filter Diagram

TEM Air Sample Analysis Sheet



preparer's initials / date
Jm/DA 9/14/12

Client AMEC-Nov.

QuantEM Sample ID
312633-6

Client
Sample ID LLIol-05XX-AL01

Volume 428

Analysis performed
TEM AHERA
I-5010312

Analyzed by lf

G.O. Area

No. GO analyzed

Filter Type

Area Analyzed

Grid Archival

Date Analyzed

0110-0

68

0.45μ

30

881053)

9/16
9/15

Analytical
SensitivityAnalytical
Sensitivity

Microscopy

Accelerat

9

1000

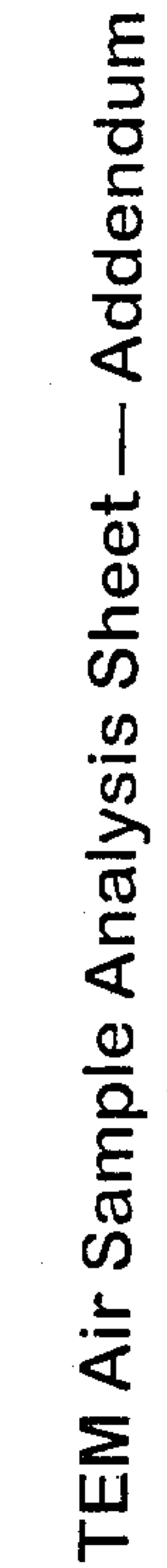
1

•

EOL 100CX

200KeV

[illegible]



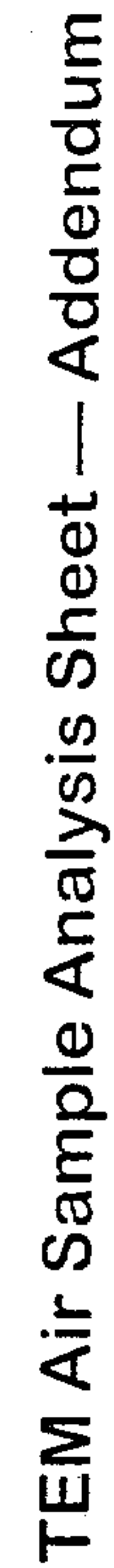
Quantum Sample ID	Date Analyzed
212633-6	9/16/12

Client Sample ID	LLI01-05XX-A101	Analyzed by	SA
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[illegible]

5

12



9/16/12

Analyzed by

[illegible]

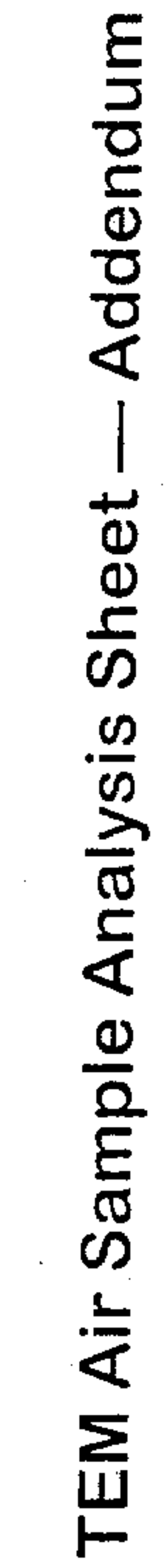


9/16/12

Analyzed by

4

[illegible]



QuantEM Sample ID	Date Analyzed
212633-6	9/16/12

Client Sample ID LLI01-05xx-A-co1 Analyzed by LA

[illegible]



QuantEM Sample ID	Date Analyzed
212633-6	9/16/12

Client Sample ID LLI01-65X-AL01 Analyzed by JA

[illegible]



212633-6


Date Analyzed 9/16/12

Client Sample ID	LLI 01-15XX-Aco1	Analyzed by	LA
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[illegible]



TEM Air Sample Analysis Sheet



preparer's initials / date
Jm/DA 9/14/12

Client

AMEC-NOV:

G.O. Area

0110-0

Analytical Sensitivity (s/cc)

QuantEM

QuantEM
Sample ID 212633-7

No. GO

analyzed

52

Analytical Sensitivity (s/mm²)

121

Client

Sample ID LL101-05XX-AC02

Filter Type

0.45μ

5 mm MCE

Grid Orient.

Volume

467.4

Area

Analyzed

085

Microscope / JEOL 100CXII / 18150X
Screen Mag

Analysis performed

TEM
AHERA
F5010312

Grid Archival

2182 (01353 8243 0700 60010)

Accelerating Voltage

100KeV

Analyzed by

LA

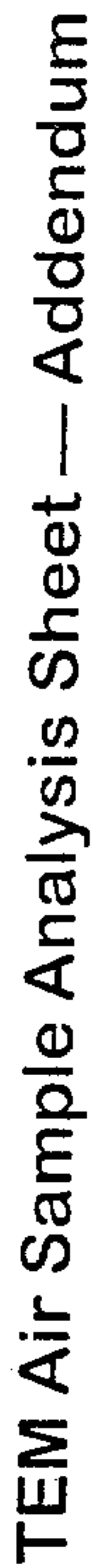
Date _____

Analyzed

2183 A1A2 A3 A4 A5 B1

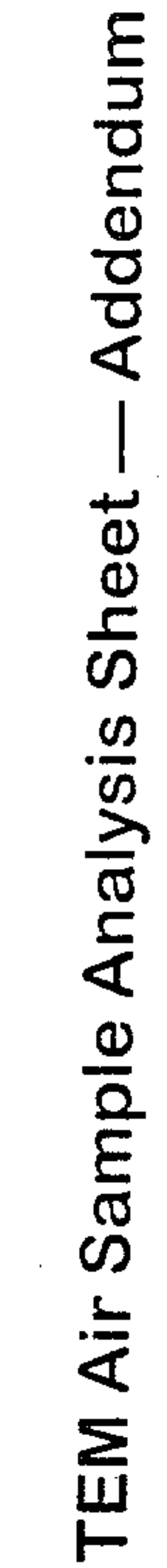
2183 A1A2 A3 A4 A5 B1

[illegible]



LA

[illegible]

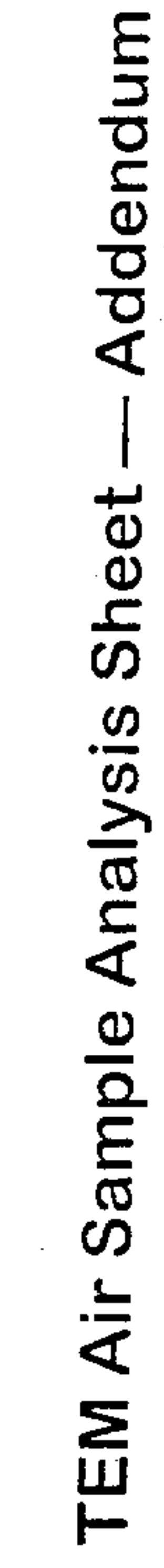


Quantum Sample ID	Date Analyzed
212633-7	9/16/12

Date Analyzed 9/16/12

Client Sample ID	LLI01-05xx-A002	Analyzed by	LA
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[illegible]



9/16/12

27

[illegible]

24

F10/49

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14

$$\frac{A}{1-x}$$

6



3

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H

OSN



Quantem TEM Air Sample Analysis Sheet — Addendum

Page 6 of

Quantem Sample ID 212633-7 Date Analyzed 9/16/12

Client Sample ID LLI01-0544-A102 Analyzed by LA

Grid Opening	Structure No.	Sketch	Length (μ)	Width (μ)	Type (F, B, M, C)	EDXA	SAED Pattern (C, A, N)	SAED Micrograph	SAED Line Space Camera Length <u> </u> cm	Conclusion
A3/K2										NSD
K7										/
Q6										/
Q4			2.5	0.1	M		C		5.3 Å	Curv
V3										NSD
A2/H1										/
H3										/
H9										/
P4										/
P6			2.3	0.1	F		C		5.3 Å	Curv

QuanTEM	Sample ID
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100	100

212633-7

Date Analyzed

9/16/12

Client Sample ID

LI 01-054-Alex

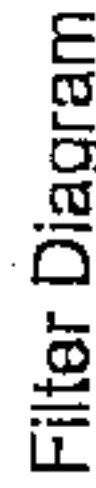
Analyzed by

24

[illegible]

2

14



Page 1 of 1

Client

AMEC-NOV:

G.O. Area

Analytical Sensitivity (s/cc)

100.0

QuantEM

QuantEM
Sample ID 212633-8

No. GO

89

Analytical Sensitivity (s/mm²)

134

Client

Sample ID LL701-204X-A602

Filter Type

0.45 μ m 0.8 μ m 25 mm MCE

Volume

Area

0.748

Microscope /
Screen Mag
JEOL 100CXII / 18150X

Analysis performed

TEM
AHERA

Grid Archival

Accelerating Voltage
100KeV

Analyzed by

28

Analyzed

9/17/12

[illegible]

QuantEM Sample ID	Date Analyzed
212633-8	9/17/10

212633-8

9/21/09

Client Sample ID	LLI01-20XX-AC02	Analyzed by	LA
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LLI01-20X-Ac02

24









[illegible]



TEM Air Sample Analysis Sheet — Addendum

Page 3 of

Quantem Sample ID 212633-8 Date Analyzed 9/17/12
Client Sample ID LI101-804-Acon Analyzed by LA

Grid Opening	Structure No.	Sketch	Length (μ)	Width (μ)	Type (F, B, M, C)	EDXA	SAED Pattern (C, A, N)	SAED Micrograph	SAED Line Space Camera Length <u> </u> cm	Conclusion
C2/Q6	8		8.0	0.1	F		C		5.3 Å	Chry
	9		4.1	0.1	M		C		5.3 Å	Chry
Q7	10		8.0	0.1	F		C		5.3 Å	Chry
V6	11		2.2	0.1	M		C		5.3 Å	Chry
	12		4.8	0.25	B		C		5.3 Å	Chry
P8/P2										NSD
C1/E1										I
E3	13		6.0	0.1	M		C		5.3 Å	Chry
K2										NSD
K8	14		3.3	0.1	M		C		5.3 Å	Chry
Q6	15		3.0	0.1	M		C		5.3 Å	Chry



QuantEM Sample ID	Date Analyzed
212633-8	9/17/12

Client Sample ID	LLI01-20X-A02	Analyzed by	DA
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[illegible]



TEM Air Sample Analysis Sheet — Addendum

Quantem Sample ID 212633-8 Date Analyzed 9/17/12
Client Sample ID LI101-2012-1002 Analyzed by LA

Grid Opening	Structure No.	Sketch	Length (μ)	Width (μ)	Type (F, B, M, C)	EDXA	SAED Pattern (C, A, N)	SAED Micrograph	SAED Line Space Camera Length <u> </u> cm	Conclusion
D1/J1										NSD
I3										/
J2	21		4.0	0.1	M		C		5.3 Å	Curry
J9										NSD
R4										/
C5/H1	22		5.9	0.1	F		C		5.3 Å	Curry
H3	23		2.1	0.1	F		C		5.3 Å	Curry
H8										NSD
P1										/
P6	24		3.5	0.1	M		C		5.3 Å	Curry



9/17/12

Analyzed by

24

[illegible]



9/17/12

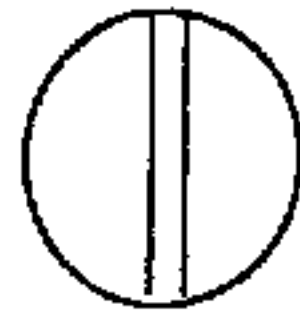
LLI01-20XX-A602

Analyzed by

[illegible]



Filter Diagram



Preparer's Initials / date
 Jm/LA 9/14/12

TEM Air Sample Analysis Sheet

Page 1 of 13

Client	AMEC-Nov.	G.O. Area	0.0110	Analytical Sensitivity (s/cc)	0.001
Quantem Sample ID	212633-9	No. GO analyzed	76	Analytical Sensitivity (s/mm ²)	1.2
Client Sample ID	LL101-35XX-A202	Filter Type	0.45μ 0.8μ 25 mm MCE		
Volume	460.7	Area Analyzed	0.836	Microscope / Screen Mag	JEOL 100CXII / 18150X
Analysis performed	TEM AHERA ES010312	Grid Archival	2183 (2183 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100)	Accelerating Voltage	100KeV

Analyzed by LA Date Analyzed 9/17/12

Grid Opening	Structure No.	Sketch	Length (μ)	Width (μ)	Type (F, B, M, C)	EDXA	SAED Pattern (C, A, N)	SAED Micrograph	SAED Line Space Camera Length cm	Conclusion
E1/V4										NSD
P9	1	to air	1.4	0.1	F		C		5.3 Å	Curry
P2	2		4.8	0.1	M		C		5.3 Å	Curry
	3		1.4	0.1	m		C		5.3 Å	Curry
	4		1.8	0.1	M		C		5.3 Å	Curry
NS	5		2.5	0.1	M		C		5.3 Å	Curry
	6		5.6	0.1	F		C		5.3 Å	Curry
NH	7	1	1.7	0.1	F		C		5.3 Å	Curry

Quantum Sample ID 212633-9 Date Analyzed 9/17/12
Client Sample ID LLI01-354X-AC02 Analyzed by LA

Grid Opening	Structure No.	Sketch	Length (μ)	Width (μ)	Type (F, B, M, C)	EDXA	SAED Pattern (C, A, N)	SAED Micrograph	SAED Line Space Camera Length cm	Conclusion
E4/D2										NSD
D8										1
EB	8		13.6	0.1	F		C		5.3 Å	Curv
E1										NSD
K1										(
E4/Y8										
X9										
X2	9		9.0	0.1	M		C		5.3 Å	Curv
	10		1.1	0.1	M		C		5.3 Å	Curv
	11		3.5	0.08	M		C		5.3 Å	Curv

QuanTEM
Sample ID

212633-9

Date Analyzed

9/17/12

Client Sample ID

LLI 01-35X4-A1008




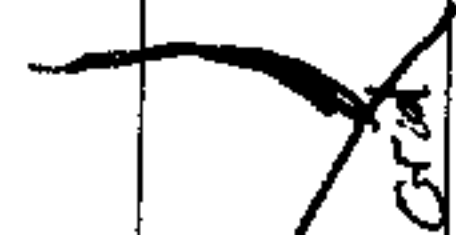
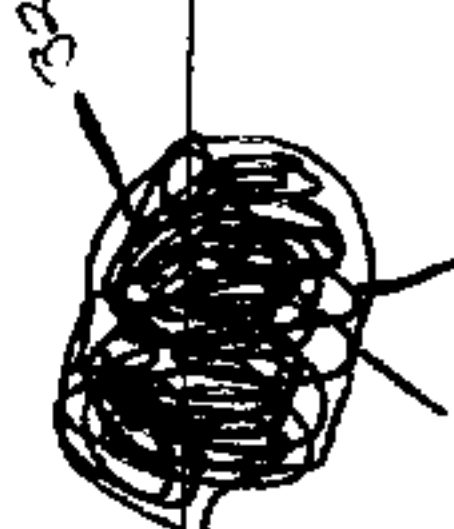
Analyzed by

24







[illegible]

Quantem Sample ID 212633-9 Date Analyzed 9/17/12









Client Sample ID LLI01-35X-X-AC07 Analyzed by LA

Grid Opening	Structure No.	Sketch	Length (μ)	Width (μ)	Type (F, B, M, C)	EDXA	SAED Pattern (C, A, N)	SAED Micrograph	SAED Line Space Camera Length _____ cm	Conclusion
A6/J8	27		2.75	0.1	M		C		5.3 Å	Chry
	28		13.5	0.1	F		C		1	1
R1										USD
R3	29		6.7	0.15	M		C		5.3 Å	Chry
	30		2.9	0.1	F		C			
	31		23.5	0.25	B		C			
	32		1.7	0.1	M		C			
	33		1.6	0.1	M		C			
	34		1.4	0.1	M		C			
	35		5.9	0.1	F		C			

Quantem Sample ID 212633-9 Date Analyzed 9/17/12
Client Sample ID LLI01-354408 Analyzed by LA

Grid Opening	Structure No.	Sketch	Length (μ)	Width (μ)	Type (F, B, M, C)	EDXA	SAED Pattern (C, A, N)	SAED Micrograph	SAED Line Space Camera Length _____ cm	Conclusion
cont Al6/RS	36		11.0	0.1	M		C		5.3 Å	Clear
	37		8.0	0.1	M		C			
	38		2.2	0.2	M		C			
R7	39		2.75	0.1	M		C			
AB/x7										NSD
X1										1
X3	40		1.75	0.5	F		C		5.3 Å	Clear
	41		2.2	0.1	M		C			
	42		2.8	0.1	F		C			
V2	43		1.8	0.1	F		C			

QuanTEM Sample ID 212633-9 Date Analyzed 9/17/12
 Client Sample ID LLI01-354-AL02 Analyzed by LA

Grid Opening	Structure No.	Sketch	Length (μ)	Width (μ)	Type (F, B, M, C)	EDXA	SAED Pattern (C, A, N)	SAED Micrograph	SAED Line Space Camera Length cm	Conclusion
A8/V8	44		1.4	0.1	M		C		5.3 Å	Curv
	45		1.4	0.1	M		C			
	46		1.2	0.1	F		C			
A7/F6	47		2.75	0.1	F		C			
	48		1.2	0.08	F		C			
	49		5.7	0.1	F		C			
F4	50		1.9	0.7	B		C			
	51		3.0	0.55	B		C			
J03	52		1.2	0.1	F		C			
	53		1.8	0.1	M		C			



TEM Air Sample Analysis Sheet — Addendum

Page 8 of 13

Quantem Sample ID 212633-9 Date Analyzed 9/17/12

Client Sample ID LLI01-35X-A602 Analyzed by LA

Grid Opening	Structure No.	Sketch	Length (μ)	Width (μ)	Type (F, B, M, C)	EDXA	SAED Pattern (G, A, N)	SAED Micrograph	SAED Line Space Camera Length cm	Conclusion
A7/J8	54		1.3	0.1	F		C		5.3 Å	Only
	55		4.0	0.1	F		C			
Pl6	56		8.0	0.15	B		C			
A9/J7	57		2.2	0.1	F		C			
I3	58		0.56	0.1	M		C			
	59		0.57	0.1	M		C			
	60		1.0	0.1	M		C			
	61		1.9	0.1	M		C			
	62		3.3	0.1	M		C			
	63		1.75	0.1	M		C			



TEM Air Sample Analysis Sheet — Addendum

Page 9 of 13

Quantem Sample ID 212633-9

Date Analyzed 9/17/12

Client Sample ID LI01-3561-AC07

Analyzed by LA/gm

Grid Opening	Structure No.	Sketch	Length (μ)	Width (μ)	Type (F, B, M, C)	EDXA	SAED Pattern (C, A, N)	SAED Micrograph	SAED Line Space Camera Length cm	Conclusion
A1/E8	64		13.1	0.1	F		C		5.3 Å	any.
	65		1.1	0.1	M		C			ch
	66		0.9	0.1	M		C			ch
E3										NSD
J6										
A10 E4										
34	67		0.55	0.1	M		C		5.3	ch
29										NSD
KB	68		1.1	0.1	M		C		5.3 Å	ch
	69		0.7	0.1			C		5.3	ch



TEM Air Sample Analysis Sheet — Addendum

Page 10 of 13

Quantem Sample ID 212633-9

Date Analyzed 9/17/12

Client Sample ID LL101-35XX-AC02

Analyzed by Juel

Grid Opening	Structure No.	Sketch	Length (μ)	Width (μ)	Type (F, B, M, C)	EDXA	SAED Pattern (C, A, N)	SAED Micrograph	SAED Line Space Camera Length cm	Conclusion
A10 R6	70		1.1	0.08	F		C		5.3	Ch
B7 R6	71		5.5	0.08	M		C		5.3	Ch
	72		3.7	0.08			C		5.3	Ch
R4	73		6.5	0.1	B		C		5.3	Ch
	74		5.3	0.1	B		C		5.3	Ch
Q2	75		3.5	0.1	M		C		5.3	Ch
J4										NSD
E9										
F B6 S3										
F1	76		8.5	0.08	M		C		5.3	Ch



TEM Air Sample Analysis Sheet — Addendum

Page 61 of 13

Quantem Sample ID 212633-9

Date Analyzed 9/17/12

Client Sample ID LLI01-35XX-A602

Analyzed by *guel*

Grid Opening	Structure No.	Sketch	Length (μ)	Width (μ)	Type (F, B, M, C)	EDXA	SAED Pattern (C, A, N)	SAED Micrograph	SAED Line Space Camera Length cm	Conclusion
B6I1	77		1.9	0.08	F		C		5.3λ	OK
	78		1.9	0.08	F		C		5.3λ	OK
	79		3.2	0.08	F		C		5.3λ	OK
	80		11.5	0.25	B		C		5.3λ	OK
I8	81		3.9	0.08	M		C		5.3λ	OK
P4										N/D
P6	82		2.2	0.08	M		C		5.3	OK
	83		1.9	0.08			C		5.3	OK
F B6 P6										N/D
P1	84		6.5	0.27	M		C		5.3	OK



TEM Air Sample Analysis Sheet — Addendum

Page 12 of 13

Quantem Sample ID 212633-9 Date Analyzed 9/1/12

Client Sample ID LLI01-35XX-AC02 Analyzed by

Grid Opening	Structure No.	Sketch	Length (μ)	Width (μ)	Type (F, B, M, C)	EDXA	SAED Pattern (C, A, N)	SAED Micrograph	SAED Line Space Camera Length cm	Conclusion
Cont. B8P1	85	↗	1.9	0.08	F		C		5.3 Å	OK
N2	86	○	1.9	0.08	M		C		5.3 Å	OK
N7										NO
H6										1
B9 Q6	87	○	1.9	0.08	M		C		5.3 Å	OK
R8										NO
R2										1
K6										1
P8	88	○	0.7	0.08	M		C		5.3 Å	OK
	89		8.9	0.3	B		C		5.3 Å	OK

TEM Air Sample Analysis Sheet — Addendum

QuanTEM Sample ID: 212633-9 Date Analyzed: 9/17/12
 Client Sample ID: LI101-35XX-Ador Analyzed by: [Signature]

Grid Opening	Structure No.	Sketch	Length (μ)	Width (μ)	Type (F, B, M, C)	EDXA	SAED Pattern (C, A, N)	SAED Micrograph	SAED Line Space Camera Length cm	Conclusion
(cont) B9P6	90		8.0	0.08	M		C		5.3 Å	Ch
B10 H8	91	/	3.3	0.1 0.08	F		C		5.3	Ch
	92		1.4	0.1	F		C		5.3 Å	Ch
	93		2.7	0.15	B		C		5.3 Å	Ch
H3										used
I2	94		2.0	0.08	M		C		5.3	Ch
J1										used
J8										
N9	95		2.9	0.08	M		C		5.3 Å	Ch



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

AMEC NOVI, MI
Doug Saigh
46850 Magellan Drive Ste 190
Novi, Michigan 48377

Re: QuantEM ID 212845

QuantEM appreciates the opportunity to provide analytical testing services to you. Attached are your reports and other supporting documentation for the above referenced project.

Thank you for making QuantEM your lab of choice. If you have any question concerning this or other reports please feel free to contact us at 800-822-1650.

We continually work to improve our service. Help us out by providing feed back on your experience at www.QuanTEM.com. Click on Service Survey and fill out the form. We look forward to hearing from you.

Respectfully,
QuantEM Laboratories, LLC.





2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Transmission Electron Microscopy Asbestos Analysis Report

Quantem Sample ID: 212845-001
Date Received: September 19, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-05XX-AC03
Sample Volume: 509

Analyzed By: J. Mlekush

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45µm 25 mm MCE

Number of Grid Openings: Not Applicable
Area Analyzed: Not Applicable
Grid Archival: **2189** A1 A2 A3 A4 A5
B1 B2 B3 B4 B5
C1 C2 C3 C4

Analysis Summary

Analytical Sensitivity: Not Applicable
Detection Limit: Not Applicable

Number of primary asbestos structures: **

Number of asbestos structures counted: **

Number of asbestos structures >5µm: **

Number of asbestos fibers & bundles >5µm: **

Number of PCM equivalent asbestos structures: **

Number of PCM equivalent asbestos fibers: **

Total Concentration

Not Analyzed. Too Dirty to Count.

Sample contained unacceptably excessive amount of particulate in excess of ISO10312 guidelines.

(Reviewed and Approved)

September 26, 2012

(Date)



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Transmission Electron Microscopy Asbestos Analysis Report

Quantem Sample ID: 212845-002
Date Received: September 19, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-20XX-AC03
Sample Volume: 497

Analyzed By: J. Mlekush

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45µm 25 mm MCE

Number of Grid Openings: 71
Area Analyzed: 0.781 mm²
Grid Archival: **2189** C5 D1 D2 D3 D4 D5
E1 E2 E3 E4 E5 A6
A7 A8 A9

Analysis Summary

Analytical Sensitivity: 0.001 s/cc
Detection Limit: 0.003 s/cc

Number of primary asbestos structures: 10

Number of asbestos structures counted: 10


Number of asbestos structures >5µm: 4

Number of asbestos fibers & bundles >5µm: 4

Number of PCM equivalent asbestos structures: 1

Number of PCM equivalent asbestos fibers: 1

Total Concentration 0.010 s/cc



(Reviewed and Approved)

September 26, 2012

(Date)



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Transmission Electron Microscopy Asbestos Analysis Report

Quantem Sample ID: 212845-003
Date Received: September 19, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-35XX-AC03
Sample Volume: 517

Analyzed By: J. Mlekush

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45µm 25 mm MCE

Number of Grid Openings: 25
Area Analyzed: 0.275 mm²
Grid Archival: **2189** A10 B6 B7 B8 B9
B10C6 C7 C8 C9
C10 D6 D7 D8

Analysis Summary

Analytical Sensitivity: 0.0027 s/cc
Detection Limit: 0.0081 s/cc

Number of primary asbestos structures: 74
Number of asbestos structures counted: 101
Number of asbestos structures >5µm: 14
Number of asbestos fibers & bundles >5µm: 5
Number of PCM equivalent asbestos structures: 5
Number of PCM equivalent asbestos fibers: 1

Total Concentration

0.273 s/cc

Analysis halted as per the ISO10312 guidelines after completing grid opening in which the 100th structure was counted.

A handwritten signature in black ink, appearing to read "J. Mlekush", is written over a horizontal line. Below the line, the text "Reviewed and Approved)" is printed.

Reviewed and Approved)

September 26, 2012

(Date)



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ASBESTOS CHAIN OF CUSTODY

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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only

Lab No. 212845

Accept ☒ Reject ☐

Report Results (☒ one box)

☐ Quantem Website

☒ Other email

Contact Information

Company: AMEC Environment & Infrastructure

Phone: (248) 313-3691

Contact: Douglas Saigh

Cell Phone: (586) 382-0805

Account #:

Email: doug.saigh@amec.com

Project Information

Project Name: Lake Linden C&H Power Plant Site

Project Location: Torch Lake Twp., Michigan

Project ID: 3293-11-1440 Task 2300

Sampled By:

Name: MICHAEL DENDE

Date: 9/13/12

RELINQUISHED BY

DATE & TIME

VIA

RECEIVED BY

DATE & TIME

MICHAEL DENDE

9/18/12

[Signature]

9/19/12 9:20

REQUESTED SERVICES (Please ☒ the Appropriate Boxes)

PLM		PLM		TEM		TEM		TURNAROUND TIME	
<input type="checkbox"/>	Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/>	Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/>	Air- AHERA	<input type="checkbox"/>	Bulk- Presence / Absence EPA600/R-93/116	<input type="checkbox"/>	Rush
<input type="checkbox"/>	400 Point Count	<input type="checkbox"/>	Other	<input type="checkbox"/>	Air- NIOSH 7402	<input type="checkbox"/>	Bulk- Quantitative [weight%]- Chatfield	<input type="checkbox"/>	Same Day
<input type="checkbox"/>	1000 Point Count	<input checked="" type="checkbox"/>	PCM	<input checked="" type="checkbox"/>	Air- ISO 10312	<input type="checkbox"/>	Dust- Presence / Absence	<input checked="" type="checkbox"/>	24 Hour
<input type="checkbox"/>	Gravimetric Preparation	<input type="checkbox"/>	PCIM	<input type="checkbox"/>	Drinking Water- EPA 100.2	<input type="checkbox"/>	Dust- Quantitative [fibers/sq.cm]- ASTM D5755	<input checked="" type="checkbox"/>	3 - Day
<input type="checkbox"/>	Particle ID	<input type="checkbox"/>	NIOSH 7400	<input type="checkbox"/>	Waste Water- EPA 600/4-83-043	<input type="checkbox"/>	Other	<input type="checkbox"/>	5 - Day

No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Description	Volume / Area (as applicable)	Comments / Notes
1	35xx-AC01	<input type="checkbox"/>			
2	20xx-AC01	<input type="checkbox"/>			
3	05xx-AC01	<input type="checkbox"/>			
4	05xx-AC02	<input type="checkbox"/>			
5	20xx-AC02	<input type="checkbox"/>			
6	35xx-AC02	<input type="checkbox"/>			
7	05xx-AC03	<input checked="" type="checkbox"/>	9/13/12	AB5	
8	20xx-AC03	<input checked="" type="checkbox"/>	9/13/12	AB5	
9	35xx-AC03	<input checked="" type="checkbox"/>	9/13/12	AB5	
10		<input type="checkbox"/>			

Page 1 of 1

6/16 PM/MB

preparer's initials / date

QuantEM
Sample ID

No. GO analyzed

609

Analytical
Sensitivity

2

AL

Orient

Good	Fair
Good	Fair

Volume 509

Analyzed

336.

JEOL 100CXII / 18150Y

10

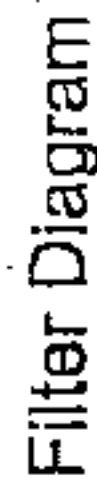
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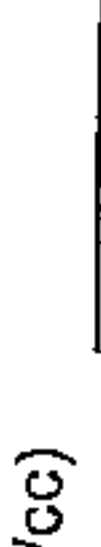
Drury

9/21/10

[illegible]



TEM Air Sample Analysis Sheet



preparer's Initials / date gm/ya 9/19

Client	<u>AMEC NOV1</u>			G.O. Area	<u>0.0110</u>	Analytical Sensitivity (s/cc)	<u>1.28</u>						
QuantEM Sample ID	<u>212845-2</u>			No. GO analyzed	<u>71</u>	Analytical Sensitivity (s/mm ²)	<u>0.001</u>						
Client													
Sample ID	<u>LL101-20XX-AK03</u>			Filter Type	<u>0.45μ</u>	<u>0.8μ</u>	<u>25 mm MCE</u>						
Volume	<u>497</u>			Area Analyzed	<u>0.781</u>								
Analysis performed	<u>TEM AHERA ISO</u>			Grid Archival	<u>2189 (CS D102030405 E1E2A7364K5 ALA7A8A9)</u>								
Prep Evaluation	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;"> <u>CS</u> Square </td> <td style="width: 50%; text-align: center;"> <u>D1</u> Orient. </td> </tr> </table>			<u>CS</u> Square	<u>D1</u> Orient.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;"> <u>LL</u> Good </td> <td style="width: 50%; text-align: center;"> <u>Good</u> Fair </td> </tr> </table>		<u>LL</u> Good	<u>Good</u> Fair	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;"> <u>Good</u> Fair </td> <td style="width: 50%; text-align: center;"> <u>Good</u> Fair </td> </tr> </table>		<u>Good</u> Fair	<u>Good</u> Fair
<u>CS</u> Square	<u>D1</u> Orient.												
<u>LL</u> Good	<u>Good</u> Fair												
<u>Good</u> Fair	<u>Good</u> Fair												
Grid				Microscope / Screen Mag	<u>JEOL 100CXII / 18150X</u>								
Grid				Accelerating Voltage	<u>100KeV</u>								

[illegible]



212845-2

Date Analyzed

9/21/12

Client Sample ID

LLI01-20X-AC03

Analyzed by

Fluor

[illegible]



QuantEM	Sample ID
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
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212845-2

Date Analyzed

9/21/12

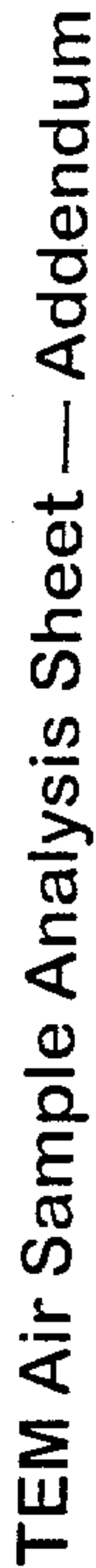
Client Sample ID

LLI01-20X-AC03

Analyzed by

John

[illegible]



212845-2

Date Analyzed

21/12/16

Client Sample ID

LLI01-20X-AC03

Analyzed by

Qwen

[illegible]



QuantEM
Sample ID

9/2/12	Date Analyzed
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Client Sample ID LL101-20X-AC03

[illegible][illegible]

QuantEM	Sample ID
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212845-2

Date Analyzed

92112/6

Client Sample ID

LLI01-20X-AC03

Analyzed by

John

[illegible]



TEM Air Sample Analysis Sheet — Addendum

Page 7 of 7

Quantem Sample ID 212845-2 Date Analyzed 9/2/12

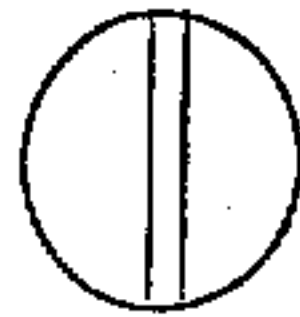
Client Sample ID LLI0120X-AC03 Analyzed by [Signature]

Grid Opening	Structure No.	Sketch	Length (μ)	Width (μ)	Type (F, B, M, C)	EDXA	SAED Pattern (C, A, N)	SAED Micrograph	SAED Line Space Camera Length <u>cm</u>	Conclusion
<u>A7 I3</u>										<u>NSD</u>
<u>I1</u>										
<u>D4</u>										
<u>D6</u>										
<u>E8</u>										
<u>A8 I2</u>										
<u>J1</u>										
<u>J3</u>	<u>10</u>	<u>[Sketch]</u>	<u>2.5</u>	<u>0.08</u>	<u>F</u>		<u>C</u>		<u>5.39</u>	<u>[Signature]</u>
<u>J6</u>										<u>NSD</u>
<u>I4</u>										

A9 X1 (71)



Filter Diagram

Preparer's Initials / date
gm/ka 9/19

TEM Air Sample Analysis Sheet

Page 1 of 1

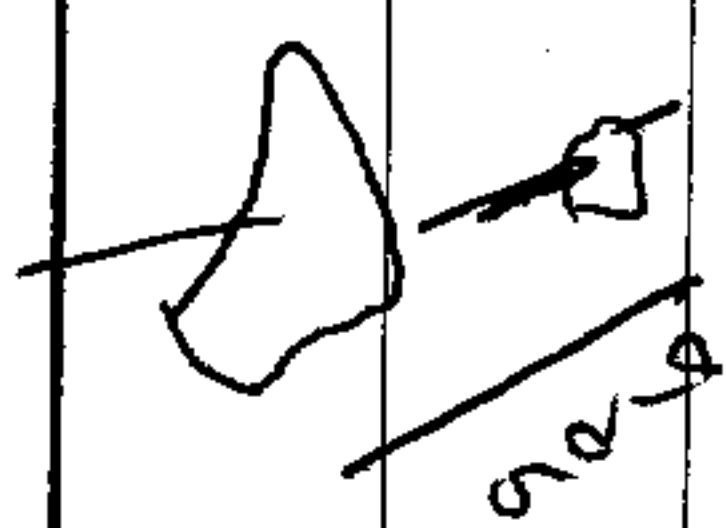



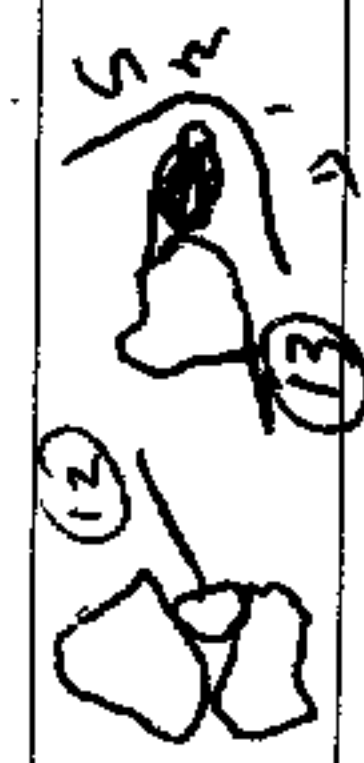
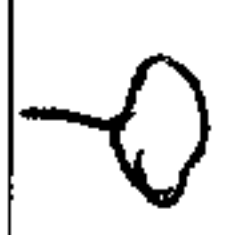
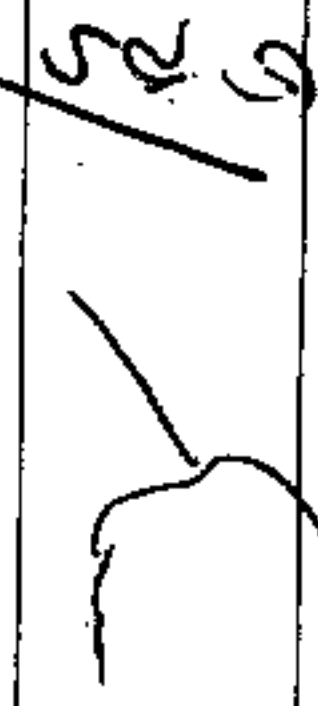
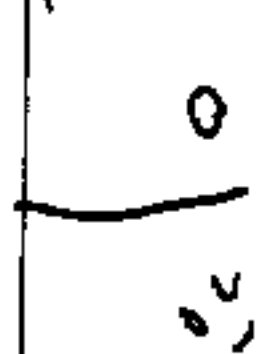
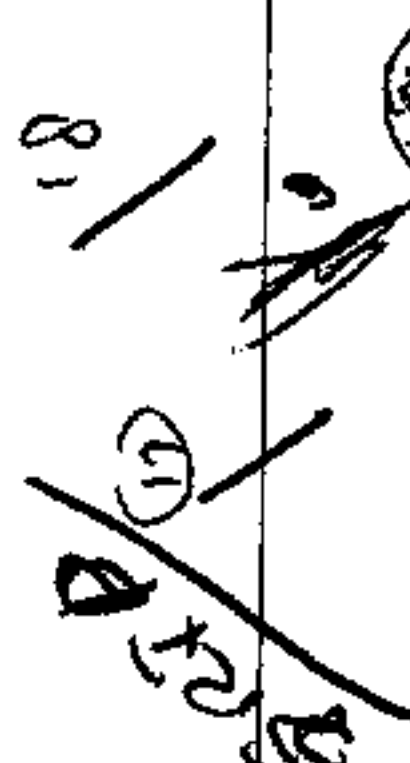
Client AMEC NOVI G.O. Area 0.0110 Analytical Sensitivity (s/cc) 1.34
QuantEM Sample ID 212845-3 No. GO analyzed 68 Analytical Sensitivity (s/mm²) 0.001
Client LLIOI-35XX-AK03 Filter Type 0.45μ 0.8μ 25 mm MCE
Volume 517 Area Analyzed 0.748 Microscope / Screen Mag JEOL 100CXII / 18150X
Analysis performed TEM AHERA Grid Archival 2189 (A0 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100) Accelerating Voltage 100KeV

Analyzed by gm/ka Date Analyzed 9/21/12

Grid Opening	Structure No.	Sketch	Length (μ)	Width (μ)	Type (F, B, M, C)	EDXA	SAED Pattern (C, A, N)	SAED Micrograph	SAED Line Space Camera Length cm	Conclusion
B6QY										
P2	1		1.1	0.08	AM		C		5.3 Å	NSD
	2		1.2	0.08	F		C		5.3 Å	CL
	3		1.3	0.1	M		C		5.3 Å	CL
	4		3.7	0.08	M		C		5.3 Å	CL
TY	5		0.7	0.15	M		C		5.3 Å	CL
	6		3.9	0.08	F		C		5.3 Å	CL
	7		9.0	0.55	F		A		5.3 Å	Amss

QuantEM Sample ID 212845-3 Date Analyzed 9/24/12

Client Sample ID LLI01-35X-AC03 Analyzed by gwl

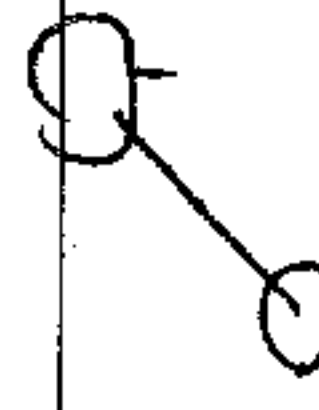

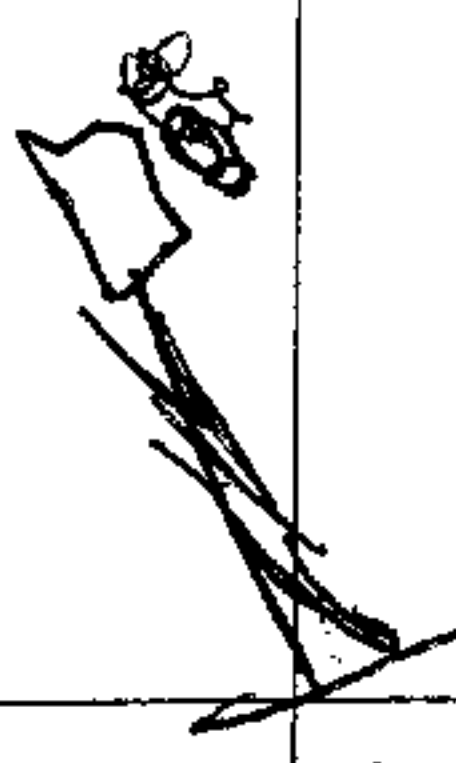
Grid Opening	Structure No.	Sketch	Length (μ)	Width (μ)	Type (F, B, M, C)	EDXA	SAED Pattern (G, A, N)	SAED Micrograph	SAED Line Space Camera Length _____ cm	Conclusion
(cont) B6 Z6	8		2.4	0.08	M		C		5.3 Å	Ch
	9		5.5	0.2	M		C		5.3 Å	Ch
H2	10		4.0	0.2	B		C		5.3 Å	Ch
	11		6.5	0.1	M		C		5.3 Å	Ch
	12		1.7	0.1	M		C		5.3 Å	Ch
	13		2.2	0.1	M		C		5.3 Å	Ch
A10R2	14		0.6	0.08	M		C		5.3 Å	Ch
	15		5.9	0.08	M		C		5.3 Å	Ch
P8	16		2.7	0.08	F		C		5.3 Å	Ch
Q8	17		1.1	0.08	F		C		5.3 Å	Ch

Quantem Sample ID 212845-3

Date Analyzed 9/24/12

Client Sample ID LL101-35X-AC03

Analyzed by [Signature]

Grid Opening	Structure No.	Sketch	Length (μ)	Width (μ)	Type (F, B, M, C)	EDXA	SAED Pattern (C, A, N)	SAED Micrograph	SAED Line Space Camera Length cm	Conclusion
(cont) A10Q8	18		1.1	0.08	F		C		5.3 Å	Ch
	19		2.2	0.4	B		C		5.3 Å	Ch
P8	20		3.9	0.08	M		C		5.3 Å	Ch
N3	21		1.6	0.1	M		C		5.3 Å	Ch
	22		14	0.5	M		C		5.3 Å	Ch
	23	(sub)	19	0.08	F		C		5.3 Å	Ch
(B6P2) (cont.)	24	(sub)	0.8	0.08			C		5.3 Å	Ch
	25	(sub)	3.9	0.08			C		5.3 Å	Ch
	26	(sub)	1.7	0.1			C		5.3 Å	Ch



TEM Air Sample Analysis Sheet — Addendum

Page 4 of 11

QuantEM
Sample ID 212845-3

Date
Analyzed 9/24/12

Client Sample
ID LLI01-35X-AC03

Analyzed by [Signature]

Grid Opening	Structure No.	Sketch	Length (μ)	Width (μ)	Type (F, B, M, C)	EDXA	SAED Pattern (C, A, N)	SAED Micrograph	SAED Line Space Camera Length cm	Conclusion
(cont) B6P2	27	(sub)	1.4	0.08			C		5.3 Å	C4
	28	(sub)	4.9	0.08			C		5.3 Å	C4
	29	(sub)	3.1	0.08			C		5.3 Å	C4
	30	(sub)	0.55	0.08			C		5.3 Å	C4
B7P6	31		8.3	0.08	M		C		5.3 Å	C4
	32		0.8	0.1	M		C		5.3 Å	C4
I6	33		1.2	0.08	M		C		5.3 Å	C4
	34		1.1	0.08			C		5.3	C4
J2	35		3.6	0.1	F		C		5.3	C4
J6	36		1.8	0.08	M		C		5.3 Å	C4

Quantem Sample ID 212845-3 Date Analyzed 9/24/12

Client Sample ID LL101-38-A03 Analyzed by [Signature]

Grid Opening	Structure No.	Sketch	Length (μ)	Width (μ)	Type (F, B, M, C)	EDXA	SAED Pattern (C, A, N)	SAED Micrograph	SAED Line Space Camera Length cm	Conclusion
B7 d6										NSD
B7 d6	37		4.5	0.1	M		C		5.3 μ	Ch
	38		2.9	0.1			C		5.3 μ	Ch
	39		2.5	0.1			C		5.3 μ	Ch
	40		2.2	0.1	F		C		5.3 μ	Ch
24	41		7.0	3.5	C		C		5.3 μ	Ch
	42	(sub)	1.1	0.1			C		5.3 μ	Ch
	43	(sub)	2.1	0.15			C		5.3 μ	Ch
	44		1.6	0.08	F		C		5.3 μ	Ch
	45		1.8	0.15	B		C		5.3 μ	Ch



TEM Air Sample Analysis Sheet — Addendum

QuantaTEM Sample ID 212845-3 Date Analyzed 9/24/12
Client Sample ID LLI01-35X-AC03 Analyzed by [Signature]

Grid Opening	Structure No.	Sketch	Length (μ)	Width (μ)	Type (F, B, M, C)	EDXA	SAED Pattern (C, A, N)	SAED Micrograph	SAED Line Space Camera Length cm	Conclusion
BBA4 Cont.	46		6.8	0.5	M		C		5.3 Å	Ch
	47		2.0	0.08	M		C		5.3 Å	Ch
	48		1.1	0.08	M		C		5.3 Å	Ch
	49		1.3	0.08	M		C		5.3 Å	Ch
	50		1.1	0.08	F		C		5.3 Å	Ch
	51		1.6	1.1	C		C		5.3 Å	Ch
	52	(sub)	1.3	0.08			C		5.3 Å	Ch
	53	(sub)	1.1	0.08			C		5.3 Å	Ch
	54	(sub)	0.9	0.08			C		5.3 Å	Ch
	55									



TEM Air Sample Analysis Sheet — Addendum

Quantem Sample ID 212845-3

Date Analyzed 9/29/12

Client Sample ID LL101-38X-AC03

Analyzed by JWA

Grid Opening	Structure No.	Sketch	Length (μ)	Width (μ)	Type (F, B, M, C)	EDXA	SAED Pattern (C, A, N)	SAED Micrograph	SAED Line Space Camera Length cm	Conclusion
B824 (cont)	55		2.2	0.08	F		C		5.3 Å	Ch
X1 JWA	56		1.1	0.08	F		C		5.5 Å	Ch
	57		3.1	0.2	B		C		5.2 Å	Ch
	58		1.8	0.15	B		C		5.3 Å	Ch
	59		1.1	0.1	M		C		5.3 Å	Ch
	60		0.6	0.15	M		C		5.3 Å	Ch
	61		1.3	0.08	F		C		5.3 Å	Ch
	62		1.1	0.08	F		C		5.3 Å	Ch
	63		0.65	0.08	F		C		5.3 Å	Ch
	64		1.3	0.08	F		C		5.3 Å	Ch

Quantem Sample ID 2128453 Date Analyzed 9/24/12
Client Sample ID LL101-JX-A03 Analyzed by juen

Grid Opening	Structure No.	Sketch	Length (μ)	Width (μ)	Type (F, B, M, C)	EDXA	SAED Pattern (C, A, N)	SAED Micrograph	SAED Line Space Camera Length cm	Conclusion
88-1-BX1 (cont)	65		4.3	0.08	F		C		5.3 Å	Ch
VZ	66		2.1	0.08	M		C		5.3 Å	Ch
	67		1.8	0.08			C		5.3 Å	Ch
	68		0.7	0.08			C		5.3 Å	Ch
	69		1.3	0.08	M		C		5.3 Å	Ch
	70		0.55	0.08			C		5.3 Å	Ch
	71		1.4	0.1	M		C		5.3 Å	Ch
	72		0.9	0.08			Ch		5.3 Å	Ch
	73		5.1	0.08	F		C		5.3 Å	Ch
X8	74		1.3	0.1	F		C		5.3 Å	Ch



TEM Air Sample Analysis Sheet — Addendum

Page 9 of 11

Quantem Sample ID 212845-3

Date Analyzed 9/24/12

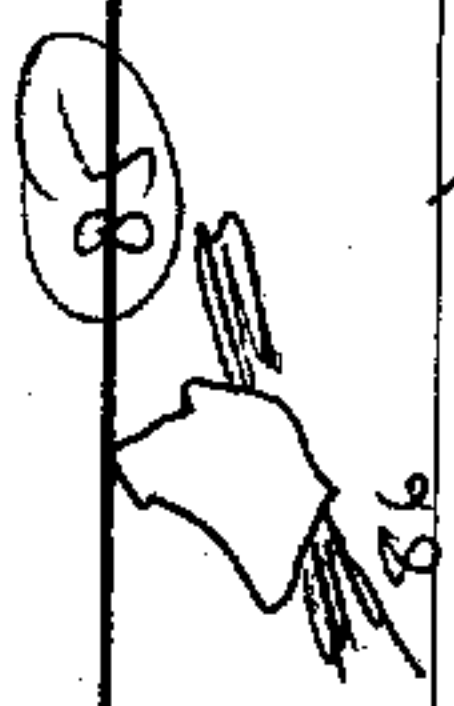

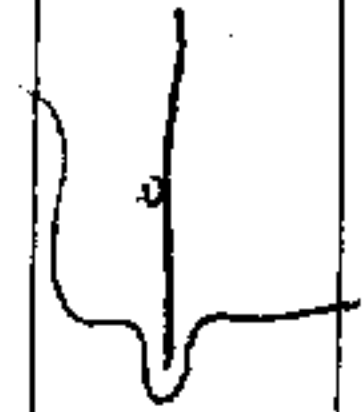
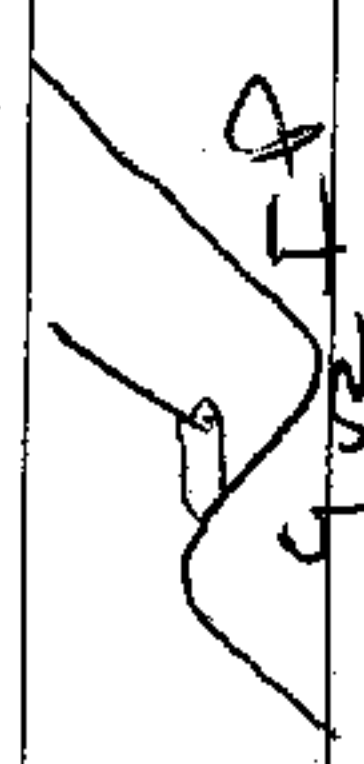

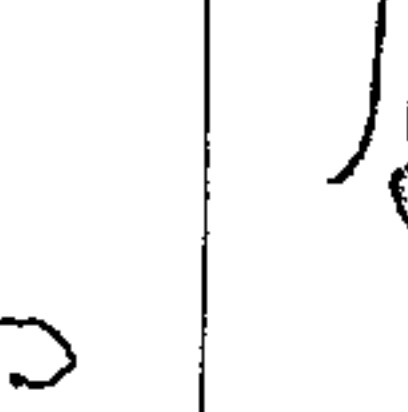

Client Sample ID LLI01-35X-AC03

Analyzed by [Signature]

Grid Opening	Structure No.	Sketch	Length (μ)	Width (μ)	Type (F, B, M, C)	EDXA	SAED Pattern (C, A, N)	SAED Micrograph	SAED Line Space Camera Length cm	Conclusion
Cont. B8 X8	75	(Just Below 74)	0.6	0.08	F		C		5.3 Å	Ch
F B10 I8	76		0.6	0.08	M		C		5.3 Å	Ch
	77		3.3	0.08	M		C		5.3 Å	Ch
F3	78		3.8	0.1	M		C		5.3 Å	Ch
	79	Sub	1.4	0.1			C		5.3 Å	Ch
	80		1.4	0.1	M		C		5.3 Å	Ch
	81		3.7	0.1	M		C		5.3 Å	Ch
	82	(Sub)	0.6	0.08			C		5.3 Å	Ch
	83		1.4	0.1	F		C		5.3 Å	Ch
J2	84		6.1	0.08	M		C		5.3 Å	Ch

Quantem Sample ID 212845-3 Date Analyzed 9/24/12

Client Sample ID LLI01-35X-AC03 Analyzed by guel

Grid Opening	Structure No.	Sketch	Length (μ)	Width (μ)	Type (F, B, M, C)	EDXA	SAED Pattern (C, A, N)	SAED Micrograph	SAED Line Space Camera Length cm	Conclusion
(cont) B1032	85		1.4	0.3	M		C		5.3 μ	OK
	86	(5-6)	0.7	0.1			C		5.3 μ	OK
H8	87		1.1	0.15	M		C		5.3 μ	OK
	88		0.9	0.15	B		C		5.3 μ	OK
	89		2.6	0.08	F		C		5.3 μ	OK
	90		2.4	0.08	F		C		5.3 μ	OK
H2	91		0.7	0.08	M		C		5.3 μ	OK
	92		0.6	0.08	F		C		5.3 μ	OK
	93		6.9	0.1	B		C		5.3 μ	OK
	94		0.55	0.08	F		C		5.3 μ	OK

QuanTEM
Sample ID

212845-3

Date Analyzed

9/20/12

Client Sample ID

LL101-77X-AC03

Analyzed by

John

[illegible]



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

AMEC NOVI, MI
Doug Saigh
46850 Magellan Drive Ste 190
Novi, Michigan 48377

Re: QuantEM ID 212829

QuantEM appreciates the opportunity to provide analytical testing services to you. Attached are your reports and other supporting documentation for the above referenced project.

Thank you for making QuantEM your lab of choice. If you have any question concerning this or other reports please feel free to contact us at 800-822-1650.

We continually work to improve our service. Help us out by providing feed back on your experience at www.QuanTEM.com. Click on Service Survey and fill out the form. We look forward to hearing from you.

Respectfully,
QuantEM Laboratories, LLC.





2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Transmission Electron Microscopy Asbestos Analysis Report

Quantem Sample ID: 212847-001
Date Received: September 19, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-08XX-AC01
Sample Volume: 475

Analyzed By: L. Armstrong

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45 μ m 25 mm MCE

Number of Grid Openings: 74
Area Analyzed: 0.817 mm²
Grid Archival: 2178 D2 D3 D4 D5 E1 E2
E3 E4 E5 A6 A6 A8
A9 A10 B6

Analysis Summary

Analytical Sensitivity: 0.001 s/cc
Detection Limit: 0.003 s/cc

Number of primary asbestos structures: 3

Number of asbestos structures counted: 3

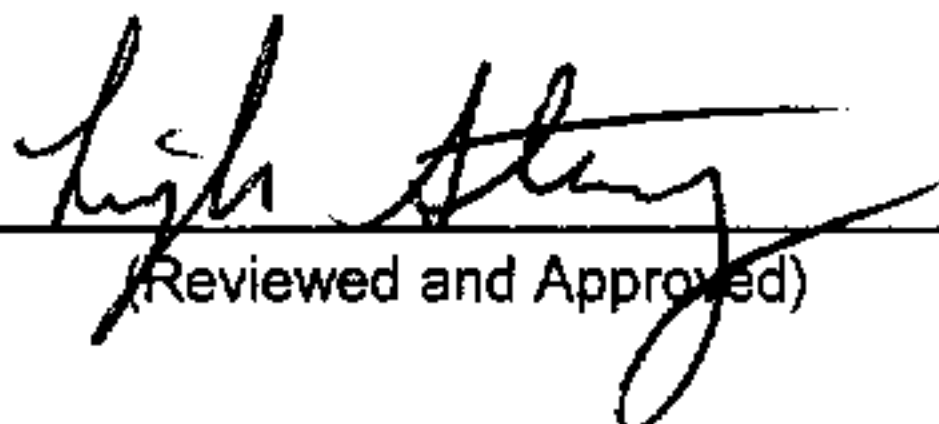
Number of asbestos structures >5 μ m: 0

Number of asbestos fibers & bundles >5 μ m: 0

Number of PCM equivalent asbestos structures: 0

Number of PCM equivalent asbestos fibers: 0

Total Concentration 0.003 s/cc


(Reviewed and Approved)

September 27, 2012
(Date)



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Transmission Electron Microscopy Asbestos Analysis Report

Quantem Sample ID: 212847-002
Date Received: September 19, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-08XX-AC02
Sample Volume: 482

Analyzed By: L. Armstrong / J. Mlekush

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45µm 25 mm MCE

Number of Grid Openings: 73
Area Analyzed: 0.803 mm²
Grid Archival: **2178** B7 B8 B9 B10 C6
C7 C8 C9 C10 D6
D7 D8 D9 D10 E6

Analysis Summary

Analytical Sensitivity: 0.001 s/cc
Detection Limit: 0.003 s/cc

Number of primary asbestos structures: 2

Number of asbestos structures counted: 3

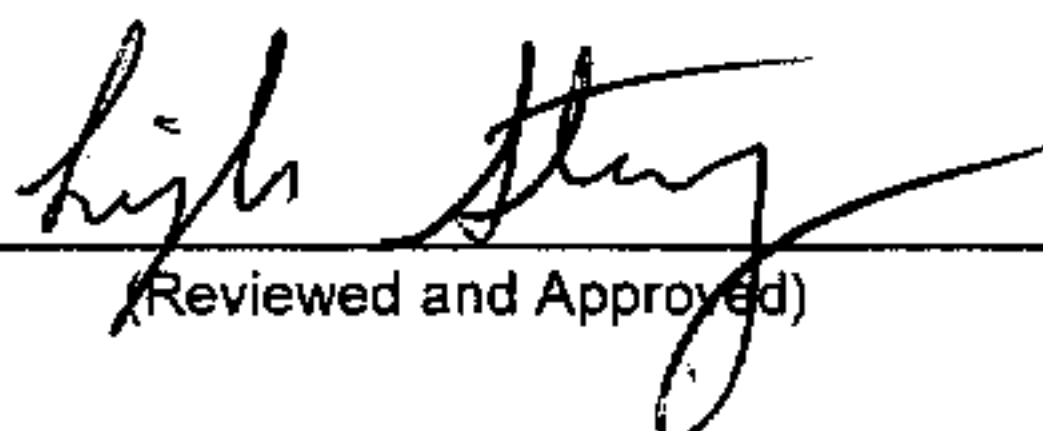
Number of asbestos structures >5µm: 2

Number of asbestos fibers & bundles >5µm: 1

Number of PCM equivalent asbestos structures: 0

Number of PCM equivalent asbestos fibers: 0

Total Concentration 0.003 s/cc


(Reviewed and Approved)

September 27, 2012

(Date)



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Transmission Electron Microscopy Asbestos Analysis Report

QuantEM Sample ID: 212847-003
Date Received: September 19, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-08XX-AC003
Sample Volume: 477

Analyzed By: L. Armstrong / J. Mlekush

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45µm 25 mm MCE

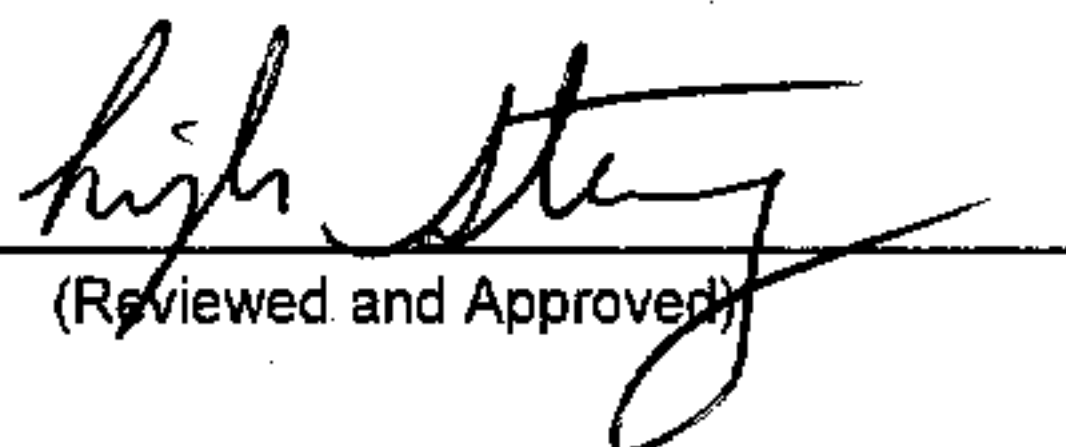
Number of Grid Openings: 74
Area Analyzed: 0.814 mm²
Grid Archival: **2179** C3 C4 C5 D1 D2 D3
D4 D5 D E1 E2 E3
E4 E5 A6 A7

Analysis Summary

Analytical Sensitivity:	0.001 s/cc
Detection Limit:	0.003 s/cc
Number of primary asbestos structures:	0
Number of asbestos structures counted:	0
Number of asbestos structures >5µm:	0
Number of asbestos fibers & bundles >5µm:	0
Number of PCM equivalent asbestos structures:	0
Number of PCM equivalent asbestos fibers:	0

Total Concentration

<0.003 s/cc


(Reviewed and Approved)

September 27, 2012

(Date)



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Transmission Electron Microscopy Asbestos Analysis Report

Quantem Sample ID: 212847-004
Date Received: September 19, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-36XX-AC01
Sample Volume: 498

Analyzed By: L. Armstrong

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45µm 25 mm MCE

Number of Grid Openings: 71
Area Analyzed: 0.781 mm²
Grid Archival: 2179 A8 A9 A10 B6 B7 B8
B9 B10 C6 C7 C8 C9
C10 D6 D7

Analysis Summary

Analytical Sensitivity: 0.001 s/cc
Detection Limit: 0.003 s/cc

Number of primary asbestos structures: 46

Number of asbestos structures counted: 59

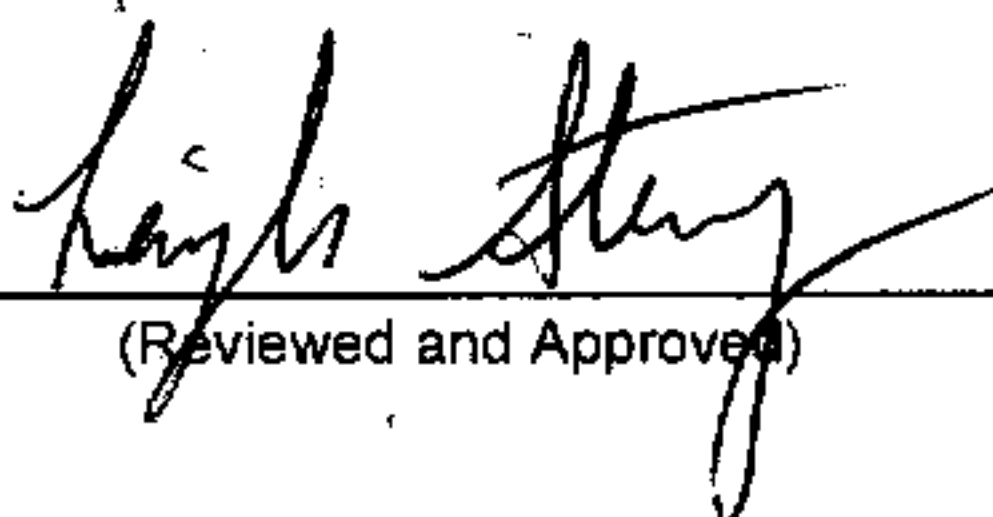
Number of asbestos structures >5µm: 13

Number of asbestos fibers & bundles >5µm: 9

Number of PCM equivalent asbestos structures: 1

Number of PCM equivalent asbestos fibers: 0

Total Concentration 0.059 s/cc


(Reviewed and Approved)

September 27, 2012

(Date)



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Transmission Electron Microscopy Asbestos Analysis Report

Quantem Sample ID: 212847-005
Date Received: September 19, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-36XX-AC02
Sample Volume: 506

Analyzed By: L. Armstrong / J. Mlekush

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45µm 25 mm MCE

Number of Grid Openings: 70
Area Analyzed: 0.77 mm²
Grid Archival: **2179** D8 D9 D10 E6 E7
E8 E9 E10
2184 A1 A2 A3 A4 A5 B1

Analysis Summary

Analytical Sensitivity: 0.001 s/cc
Detection Limit: 0.003 s/cc

Number of primary asbestos structures: 58

Number of asbestos structures counted: 64

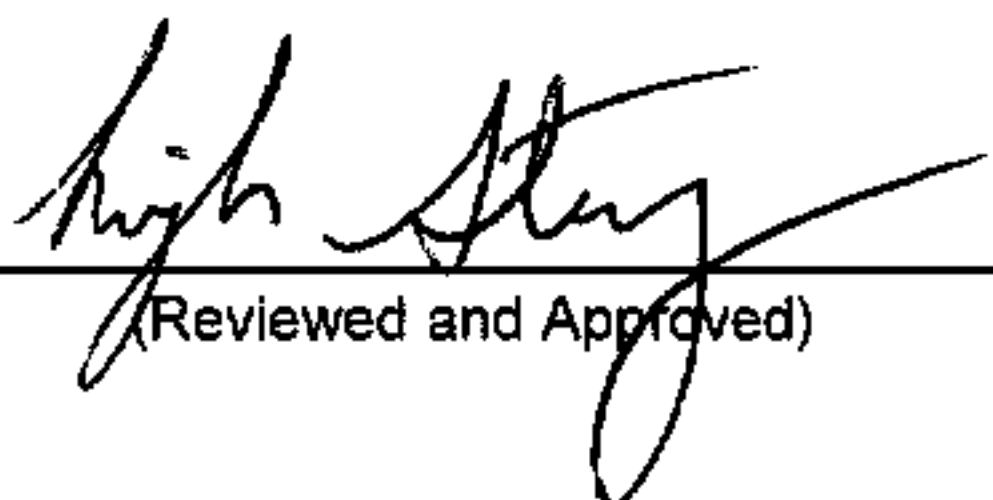
Number of asbestos structures >5µm: 19

Number of asbestos fibers & bundles >5µm: 14

Number of PCM equivalent asbestos structures: 5

Number of PCM equivalent asbestos fibers: 0

Total Concentration 0.064 s/cc


(Reviewed and Approved)

September 27, 2012

(Date)



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Transmission Electron Microscopy Asbestos Analysis Report

Quantem Sample ID: 212847-006
Date Received: September 19, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-36XX-AC03
Sample Volume: 558

Analyzed By: L. Armstrong

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45µm 25 mm MCE

Number of Grid Openings: 43
Area Analyzed: 0.473 mm²
Grid Archival: **2184** B2 B3 B4 B5 C1
C2 C3 C4 C5 D1
D2 D3 D4

Analysis Summary

Analytical Sensitivity: 0.0015 s/cc
Detection Limit: 0.0044 s/cc

Number of primary asbestos structures: 80
Number of asbestos structures counted: 102
Number of asbestos structures >5µm: 22
Number of asbestos fibers & bundles >5µm: 11
Number of PCM equivalent asbestos structures: 2
Number of PCM equivalent asbestos fibers: 0

Total Concentration 0.153 s/cc

Analysis halted as per the ISO10312 guidelines after completing grid opening in which the 100th structure was counted.



(Reviewed and Approved)

September 27, 2012

(Date)



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Page 1 of 1

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

Contact Information		Project Information	
Company: AMEC Environment & Infrastructure	Phone: (248) 313-3691	Project Name: Lake Linden C&H Power Plant Site	Report Results (one box)
Contact: Douglas Saigh	Cell Phone: (586) 382-0805	Project Location: Torch Lake Twp., Michigan	<input type="checkbox"/> QuanTEM Website
Account #:	E-mail: doug.saigh@amec.com	Project ID: 3293-11-1440 Task 2300	<input checked="" type="checkbox"/> Other email

Sampled By: James Piasecki	Name: James Piasecki	Date: 9/14/12
RELINQUISHED BY	DATE & TIME	VIA
James Piasecki	9/18/12	
RECEIVED BY	DATE & TIME	
J. Mueller	9/19/12 9:20	

REQUESTED SERVICES (Please check the Appropriate Boxes)

PLM	PLM	TEM	TEM	TURNAROUND TIME
<input type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/> Air-AHERA	<input type="checkbox"/> Bulk-Presence / Absence EPA600/R-93/116	<input type="checkbox"/> Rush
<input type="checkbox"/> 400 Point Count	<input type="checkbox"/> Other	<input type="checkbox"/> Air-NIOSH 7402	<input type="checkbox"/> Bulk-Quantitative [weight%]-Chatfield	<input type="checkbox"/> Same Day
<input type="checkbox"/> 1000 Point Count		<input checked="" type="checkbox"/> Air-ISO 10312	<input type="checkbox"/> Dust-Presence / Absence	<input checked="" type="checkbox"/> 24-Hour
<input type="checkbox"/> Gravimetric Preparation	<input type="checkbox"/> PCM	<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Dust-Quantitative [fibers/sq.cm]- ASTM D5755	<input checked="" type="checkbox"/> 3 - Day
<input type="checkbox"/> Particle ID	<input type="checkbox"/> NIOSH 7400	<input type="checkbox"/> Waste Water- EPA 600/4-83-043	<input type="checkbox"/> Other	<input type="checkbox"/> 5 - Day

No.	Sample ID (10 Characters Max)	To Be Analyzed	Description	Volume / Area (as applicable)	Comments / Notes
1	LLI01-08xx-AC01	<input checked="" type="checkbox"/>	9/14/12 ABS	475 L	273.42 + 201.81 (L)
2	LLI01-08xx-AC02	<input checked="" type="checkbox"/>	9/14/12 ABS	482 L	
3	LLI01-08xx-AC03	<input checked="" type="checkbox"/>	9/14/12 ABS	477 L	
4	LLI01-36xx-AC01	<input checked="" type="checkbox"/>	9/14/12 ABS	498 L	
5	LLI01-36xx-AC02	<input checked="" type="checkbox"/>	9/14/12 ABS	506 L	
6	LLI01-36xx-AC03	<input checked="" type="checkbox"/>	9/14/12 ABS	558 L	
7		<input type="checkbox"/>			
8		<input type="checkbox"/>			
9		<input type="checkbox"/>			
10		<input type="checkbox"/>			

SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"

* Sample Filter wet. Dried prior to prep, Jan 9/19/12



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

AMEC NOVI, MI
Doug Saigh
46850 Magellan Drive Ste 190
Novi, Michigan 48377

Re: QuantEM ID 212847

QuantEM appreciates the opportunity to provide analytical testing services to you. Attached are your reports and other supporting documentation for the above referenced project.

Thank you for making QuantEM your lab of choice. If you have any question concerning this or other reports please feel free to contact us at 800-822-1650.

We continually work to improve our service. Help us out by providing feed back on your experience at www.QuanTEM.com. Click on Service Survey and fill out the form. We look forward to hearing from you.

Respectfully,
QuantEM Laboratories, LLC.





2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Transmission Electron Microscopy Asbestos Analysis Report

QuanTEM Sample ID: 212847-001
Date Received: September 19, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-15XX-AC02
Sample Volume: 533

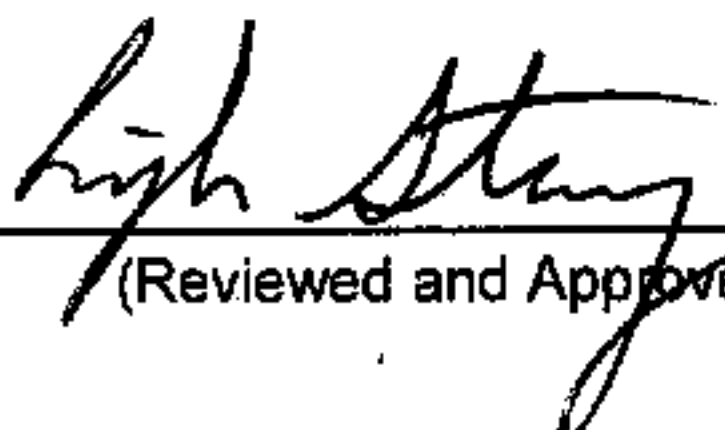
Analyzed By: L. Armstrong

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45µm 25 mm MCE

Number of Grid Openings: 66
Area Analyzed: 0.726 mm²
Grid Archival: **2186** A1 A2 A3 A4 A5 B1 B2
B3 B4 B5 C1 C2 C3 C4

Analysis Summary

Analytical Sensitivity:	0.001 s/cc
Detection Limit:	0.003 s/cc
Number of primary asbestos structures:	0
Number of asbestos structures counted:	0
Number of asbestos structures >5µm:	0
Number of asbestos fibers & bundles >5µm:	0
Number of PCM equivalent asbestos structures:	0
Number of PCM equivalent asbestos fibers:	0
Total Concentration	<0.003 s/cc


(Reviewed and Approved)

September 24, 2012

(Date)



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Transmission Electron Microscopy Asbestos Analysis Report

Quantem Sample ID: 212847-002
Date Received: September 19, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-15XX-AC03
Sample Volume: 498

Analyzed By: L. Armstrong

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45µm 25 mm MCE

Number of Grid Openings: 71
Area Analyzed: 0.781 mm²
Grid Archival: **2186** C5 D1 D2 D3 D4 D5
E1 E2 E3 E4 E5 A6
A7 A8 A9

Analysis Summary

Analytical Sensitivity:	0.001 s/cc
Detection Limit:	0.003 s/cc
Number of primary asbestos structures:	0
Number of asbestos structures counted:	0
Number of asbestos structures >5µm:	0
Number of asbestos fibers & bundles >5µm:	0
Number of PCM equivalent asbestos structures:	0
Number of PCM equivalent asbestos fibers:	0
Total Concentration	<0.003 s/cc


(Reviewed and Approved)

September 24, 2012
(Date)



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Transmission Electron Microscopy Asbestos Analysis Report

Quantem Sample ID: 212847-003
Date Received: September 19, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-15XX-AC01
Sample Volume: 507

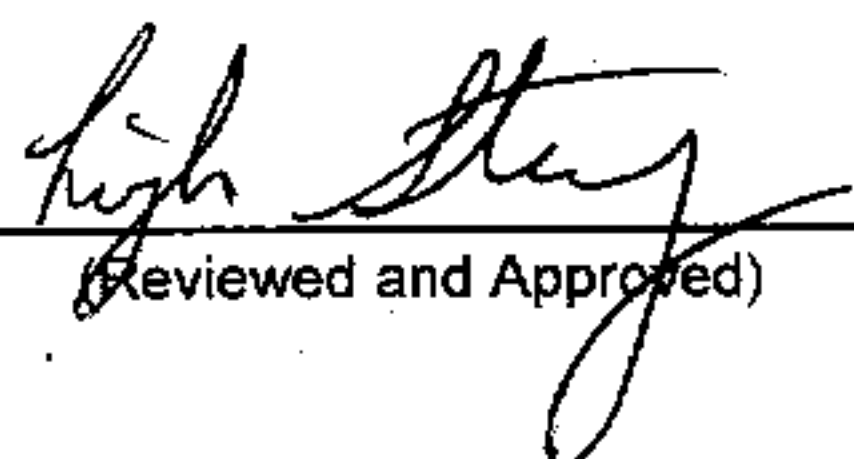
Analyzed By: L. Armstrong

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45µm 25 mm MCE

Number of Grid Openings: 70
Area Analyzed: 0.77 mm²
Grid Archival: **2186** A10 B6 B7 B8 B9 B10
C6 C7 C8 C9 C10
D6 D7 D8

Analysis Summary

Analytical Sensitivity:	0.001 s/cc
Detection Limit:	0.003 s/cc
Number of primary asbestos structures:	0
Number of asbestos structures counted:	0
Number of asbestos structures >5µm:	0
Number of asbestos fibers & bundles >5µm:	0
Number of PCM equivalent asbestos structures:	0
Number of PCM equivalent asbestos fibers:	0
Total Concentration	<0.003 s/cc



(Reviewed and Approved)

September 24, 2012

(Date)



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Transmission Electron Microscopy Asbestos Analysis Report

QuanTEM Sample ID: 212847-004
Date Received: September 19, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-01XX-AC01
Sample Volume: 512

Analyzed By: L. Armstrong

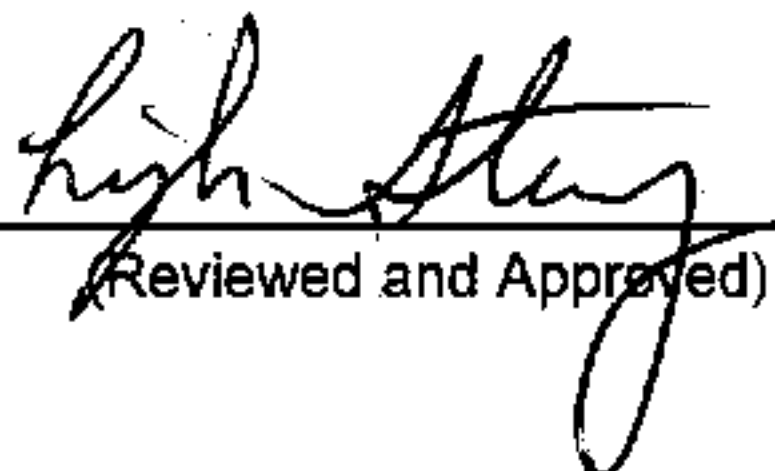
Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45 μ m 25 mm MCE

Number of Grid Openings: 69
Area Analyzed: 0.759 mm²
Grid Archival: 2186 D9 D10 E6 E7 E8 E9 E10
2187 A1 A2 A3 A4 A5 B1 B2

Analysis Summary

Analytical Sensitivity:	0.001 s/cc
Detection Limit:	0.003 s/cc
Number of primary asbestos structures:	1
Number of asbestos structures counted:	1
Number of asbestos structures >5 μ m:	0
Number of asbestos fibers & bundles >5 μ m:	0
Number of PCM equivalent asbestos structures:	0
Number of PCM equivalent asbestos fibers:	0

Total Concentration <0.003 s/cc



(Reviewed and Approved)

September 24, 2012

(Date)



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Transmission Electron Microscopy Asbestos Analysis Report

QuanTEM Sample ID: 212847-005
Date Received: September 19, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-01XX-AC02
Sample Volume: 498

Analyzed By: L. Armstrong / J. Mlekush

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45µm 25 mm MCE

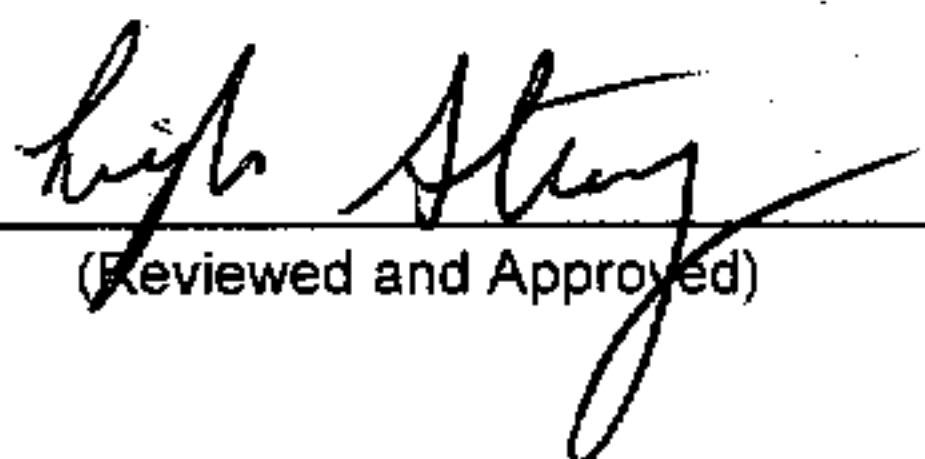
Number of Grid Openings: 71
Area Analyzed: 0.781 mm²
Grid Archival: **2187** B3 B4 B5 C1 C2 C3
C4 C5 CD1 D2 D3
D4 D5 E1 E2

Analysis Summary

Analytical Sensitivity:	0.001 s/cc
Detection Limit:	0.003 s/cc
Number of primary asbestos structures:	2
Number of asbestos structures counted:	2
Number of asbestos structures >5µm:	0
Number of asbestos fibers & bundles >5µm:	0
Number of PCM equivalent asbestos structures:	0
Number of PCM equivalent asbestos fibers:	0

Total Concentration

<0.003 s/cc


(Reviewed and Approved)

September 27, 2012
(Date)



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Transmission Electron Microscopy Asbestos Analysis Report

Quantem Sample ID: 212847-006
Date Received: September 19, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-01XX-AC03
Sample Volume: 514

Analyzed By: L. Armstrong

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45µm 25 mm MCE

Number of Grid Openings: 69
Area Analyzed: 0.759 mm²
Grid Archival: 2187 E3 E4 E5 A6 A7
A8 A9 A10 B6 B7
B8 B9 B10 C6

Analysis Summary

Analytical Sensitivity: 0.001 s/cc
Detection Limit: 0.003 s/cc

Number of primary asbestos structures: 1
Number of asbestos structures counted: 1
Number of asbestos structures >5µm: 0
Number of asbestos fibers & bundles >5µm: 0
Number of PCM equivalent asbestos structures: 0
Number of PCM equivalent asbestos fibers: 0

Total Concentration <0.003 s/cc


(Reviewed and Approved)

September 27, 2012

(Date)



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Transmission Electron Microscopy Asbestos Analysis Report

Quantem Sample ID: 212847-007
Date Received: September 19, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-45XX-AC03
Sample Volume: 512

Analyzed By: L. Armstrong

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45µm 25 mm MCE

Number of Grid Openings: Not Applicable
Area Analyzed: Not Applicable
Grid Archival: **2187** C7 C8 C9 C10 D6 D7
D8 D9 D10 E6 E7 E8
E9 E10

Analysis Summary

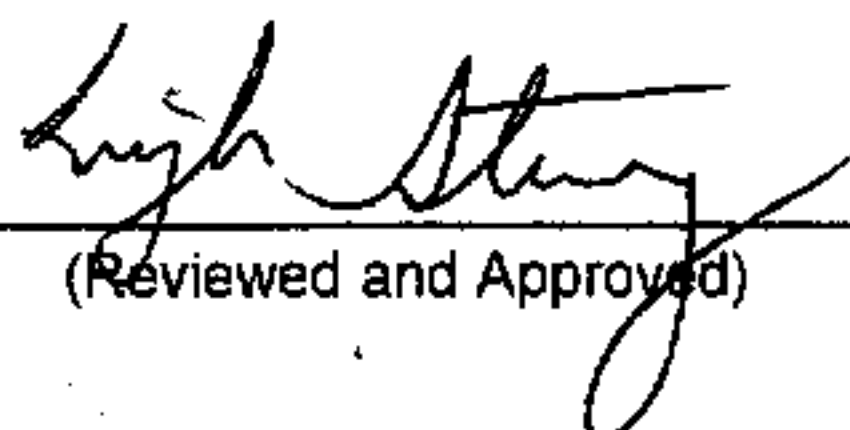
Analytical Sensitivity: Not Applicable
Detection Limit: Not Applicable

Number of primary asbestos structures:	**
Number of asbestos structures counted:	**
Number of asbestos structures >5µm:	**
Number of asbestos fibers & bundles >5µm:	**
Number of PCM equivalent asbestos structures:	**
Number of PCM equivalent asbestos fibers:	**

Total Concentration

Not Analyzed. Too Dirty to Count.

Sample contained unacceptably excessive amount of particulate in excess of ISO10312 guidelines.


(Reviewed and Approved)

September 27, 2012
(Date)



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Transmission Electron Microscopy Asbestos Analysis Report

Quantem Sample ID: 212847-008
Date Received: September 19, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-45XX-AC02
Sample Volume: 503

Analyzed By: L. Armstrong

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45µm 25 mm MCE

Number of Grid Openings: 70
Area Analyzed: 0.77 mm²
Grid Archival: **2188** A1 A2 A3 A4 A5
B1 B2 B3 B4 B5
C1 C2 C3 C4

Analysis Summary

Analytical Sensitivity: 0.001 s/cc
Detection Limit: 0.003 s/cc

Number of primary asbestos structures: 40

Number of asbestos structures counted: 43

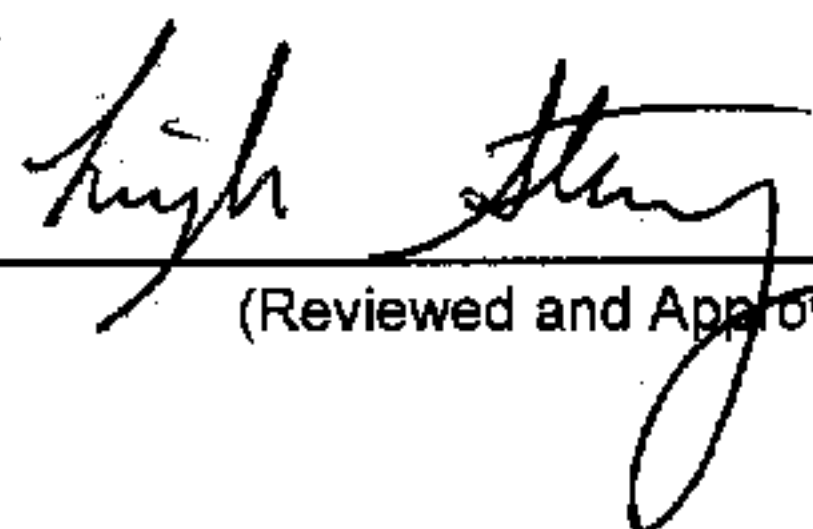
Number of asbestos structures >5µm: 7

Number of asbestos fibers & bundles >5µm: 6

Number of PCM equivalent asbestos structures: 1

Number of PCM equivalent asbestos fibers: 0

Total Concentration 0.043 s/cc


(Reviewed and Approved)

September 24, 2012
(Date)



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Transmission Electron Microscopy Asbestos Analysis Report

QuanTEM Sample ID: 212847-009
Date Received: September 19, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-45XX-AC01
Sample Volume: 461

Analyzed By: L. Armstrong

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45µm 25 mm MCE

Number of Grid Openings: 76
Area Analyzed: 0.83 mm²
Grid Archival: **2188** C5 D1 D2 D3 D4 D5
E1 E2 E3 E4 E5 A6
A7 A8 A9 A10

Analysis Summary

Analytical Sensitivity: 0.001 s/cc
Detection Limit: 0.003 s/cc

Number of primary asbestos structures: 23

Number of asbestos structures counted: 27

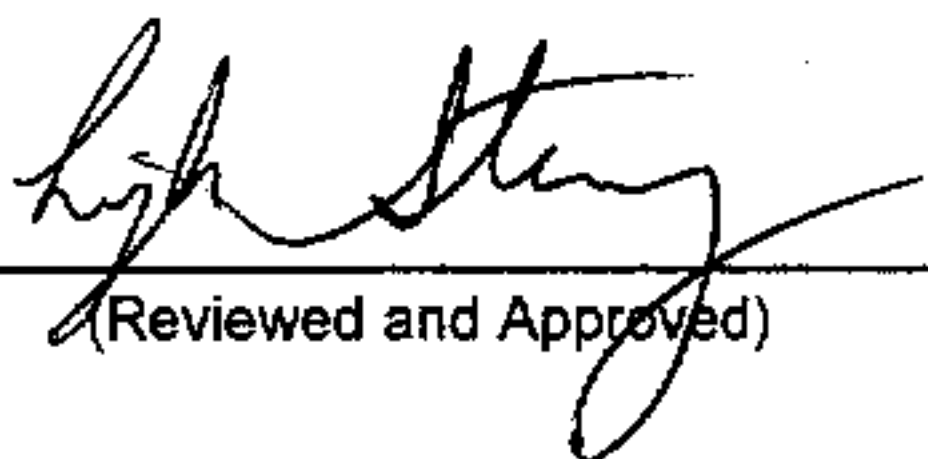
Number of asbestos structures >5µm: 6

Number of asbestos fibers & bundles >5µm: 6

Number of PCM equivalent asbestos structures: 1

Number of PCM equivalent asbestos fibers: 0

Total Concentration 0.027 s/cc


(Reviewed and Approved)

September 24, 2012
(Date)



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For Lab Use Only	
Lab No. <u>212847</u>	Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>

Report Results (one box)	
<input type="checkbox"/> Quantem Website	<input checked="" type="checkbox"/> Other email

Contact Information		Project Information	
Company: AMEC Environment & Infrastructure	Phone: (248) 313-3691	Project Name: Lake Linden C&H Power Plant Site	
Contact: Douglas Saigh	Cell Phone: (586) 382-0805	Project Location: Torch Lake Twp., Michigan	
Account #:	E-mail: doug.saigh@amec.com	Project ID: 3293-11-1440 Task 2300	

Sampled By: <u>MICHAEL DENDE</u>	Name: <u>MICHAEL DENDE</u>	Date: <u>9/15/12</u>
----------------------------------	----------------------------	----------------------

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<u>MICHAEL DENDE</u>	<u>9/15/12</u>	<u>9/18/12</u>	<u>J. Mueller</u>	<u>9/19/12 9:20</u>

REQUESTED SERVICES (Please check the appropriate boxes)

PLM		PLM		TEM		TEM		TURNAROUND TIME	
<input type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/> Air- AHERA	<input type="checkbox"/> Bulk- Presence / Absence EPA600/R-93/116	<input type="checkbox"/> Rush	<input type="checkbox"/> 400 Point Count	<input type="checkbox"/> Air- NIOSH 7402	<input type="checkbox"/> Bulk- Quantitative [weight%]- Chatfield	<input type="checkbox"/> Same Day	<input type="checkbox"/> 24-Hour
<input type="checkbox"/> 1000 Point Count	<input type="checkbox"/> Other	<input checked="" type="checkbox"/> Air- ISO 10312	<input type="checkbox"/> Dust- Presence / Absence	<input type="checkbox"/> 3 - Day	<input type="checkbox"/> Gravimetric Preparation	<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Dust- Quantitative [fibers/sq.cm]- ASTM D5755	<input checked="" type="checkbox"/> 5 - Day	<input type="checkbox"/> 5 - Day
<input type="checkbox"/> Particle ID	<input type="checkbox"/> NIOSH 7400	<input type="checkbox"/> Waste Water- EPA 600/4-83-043	<input type="checkbox"/> Other						

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	LL101-15xx AC02	<input checked="" type="checkbox"/>	9/15/12 ABS		533	
2	LL101-15xx AC03	<input checked="" type="checkbox"/>			498	
3	LL101-15xx AC01	<input checked="" type="checkbox"/>			507	
4	LL101-01xx-AC01	<input checked="" type="checkbox"/>			512	
5	LL101-01xx-AC02	<input checked="" type="checkbox"/>			498	
6	LL101-01xx-AC03	<input checked="" type="checkbox"/>			514	
7	LL101-45xx AC03	<input checked="" type="checkbox"/>			512	
8	LL101-45xx AC02	<input checked="" type="checkbox"/>			503	
9	LL101-45xx AC01	<input checked="" type="checkbox"/>			461	
10		<input type="checkbox"/>				



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

AMEC NOVI, MI
Doug Saigh
46850 Magellan Drive Ste 190
Novi, Michigan 48377

Re: Quantem ID 212844

Quantem appreciates the opportunity to provide analytical testing services to you. Attached are your reports and other supporting documentation for the above referenced project.

Thank you for making Quantem your lab of choice. If you have any question concerning this or other reports please feel free to contact us at 800-822-1650.

We continually work to improve our service. Help us out by providing feed back on your experience at www.QuanTEM.com. Click on Service Survey and fill out the form. We look forward to hearing from you.

Respectfully,
Quantem Laboratories, LLC.





2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Transmission Electron Microscopy Asbestos Analysis Report

Quantem Sample ID: 212844-001
Date Received: September 19, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-18XX-AC01
Sample Volume: 515

Analyzed By: L. Armstrong / J. Mlekush

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45µm 25 mm MCE

Number of Grid Openings: 68
Area Analyzed: 0.748 mm²
Grid Archival: **2184** E3 E4 E5 A6 A7 A8
A9 A10 B6 B7 B8 B9
B10 C6

Analysis Summary

Analytical Sensitivity:	0.001 s/cc
Detection Limit:	0.003 s/cc
Number of primary asbestos structures:	0
Number of asbestos structures counted:	0
Number of asbestos structures >5µm:	0
Number of asbestos fibers & bundles >5µm:	0
Number of PCM equivalent asbestos structures:	0
Number of PCM equivalent asbestos fibers:	0
Total Concentration	<0.003 s/cc

A handwritten signature in black ink, appearing to read "J. Mueller", is written over a horizontal line. Below the line, the text "(Reviewed and Approved)" is printed.

September 21, 2012

(Date)



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Transmission Electron Microscopy Asbestos Analysis Report

Quantem Sample ID: 212844-002
Date Received: September 19, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-18XX-AC02
Sample Volume: 495

Analyzed By: L. Armstrong

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45µm 25 mm MCE

Number of Grid Openings: 71
Area Analyzed: 0.781 mm²
Grid Archival: **2184** C7 C8 C9 C10 D6 D7
D8 D9 D10 E6 E7 E8 E9 E10
2185 A1

Analysis Summary

Analytical Sensitivity: 0.001 s/cc
Detection Limit: 0.003 s/cc

Number of primary asbestos structures: 2
Number of asbestos structures counted: 2
Number of asbestos structures >5µm: 1
Number of asbestos fibers & bundles >5µm: 1
Number of PCM equivalent asbestos structures: 0
Number of PCM equivalent asbestos fibers: 0

Total Concentration

<0.003 s/cc

A handwritten signature in black ink, appearing to read "Joanna Mueller", is written over a horizontal line. Below the line, the text "(Reviewed and Approved)" is printed.

September 21, 2012

(Date)



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Transmission Electron Microscopy Asbestos Analysis Report

QuantEM Sample ID: 212844-003
Date Received: September 19, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-18XX-AC03
Sample Volume: 503

Analyzed By: L. Armstrong

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45µm 25 mm MCE

Number of Grid Openings: 70
Area Analyzed: 0.770 mm²
Grid Archival: **2185** A2 A3 A4 A5 B1 B2
B3 B4 B5 C1 C2 C3
C4 C5

Analysis Summary

Analytical Sensitivity: 0.001 s/cc
Detection Limit: 0.003 s/cc

Number of primary asbestos structures: 12

Number of asbestos structures counted: 12

Number of asbestos structures >5µm: 6

Number of asbestos fibers & bundles >5µm: 5

Number of PCM equivalent asbestos structures: 1

Number of PCM equivalent asbestos fibers: 0

Total Concentration 0.012 s/cc

A handwritten signature in black ink, appearing to read "J. Mueller", is written over a horizontal line. Below the line, the text "(Reviewed and Approved)" is printed.

September 21, 2012

(Date)



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Transmission Electron Microscopy Asbestos Analysis Report

Quantem Sample ID: 212844-004
Date Received: September 19, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-66XX-AC01
Sample Volume: 508

Analyzed By: L. Armstrong / J. Mlekush

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45µm 25 mm MCE

Number of Grid Openings: 69
Area Analyzed: 0.759 mm²
Grid Archival: **2185** D1 D2 D3 D4 D5 E1
E2 E3 E4 E5 A6 A7
A8 A9

Analysis Summary

Analytical Sensitivity: 0.001 s/cc
Detection Limit: 0.003 s/cc

Number of primary asbestos structures: 0

Number of asbestos structures counted: 0

Number of asbestos structures >5µm: 0

Number of asbestos fibers & bundles >5µm: 0

Number of PCM equivalent asbestos structures: 0

Number of PCM equivalent asbestos fibers: 0

Total Concentration <0.003 s/cc

A handwritten signature in black ink, appearing to read "Joanna Mueller", is written over a horizontal line. Below the line, the text "(Reviewed and Approved)" is printed in a small, sans-serif font.

September 21, 2012

(Date)



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Transmission Electron Microscopy Asbestos Analysis Report

Quantem Sample ID: 212844-005
Date Received: September 19, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-66XX-AC02
Sample Volume: 475

Analyzed By: Not Applicable

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45µm 25 mm MCE

Number of Grid Openings: ****
Area Analyzed: ****
Grid Archival: ****

Analysis Summary

Analytical Sensitivity: ****
Detection Limit: ****

Number of primary asbestos structures: ****

Number of asbestos structures counted: ****

Number of asbestos structures >5µm: ****

Number of asbestos fibers & bundles >5µm: ****

Number of PCM equivalent asbestos structures: ****

Number of PCM equivalent asbestos fibers: ****

Total Concentration

Sample Not Analyzed

Note: Filter was damaged prior to receipt at Quantem Laboratories, LLC. Not enough filter to prepare.

A handwritten signature in black ink, appearing to read 'Joanna Mueller', is written over a horizontal line.

(Reviewed and Approved)

September 21, 2012

(Date)



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Transmission Electron Microscopy Asbestos Analysis Report

Quantem Sample ID: 212844-006
Date Received: September 19, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-66XX-AC03
Sample Volume: 507

Analyzed By: J. Mlekush

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45µm 25 mm MCE

Number of Grid Openings: 70
Area Analyzed: 0.770 mm²
Grid Archival: **2185** A10 B6 B7 B8 B9
B10 C6 C7 C8 C9
C10 D6 D7 D8

Analysis Summary

Analytical Sensitivity: 0.001 s/cc
Detection Limit: 0.003 s/cc

Number of primary asbestos structures: 3

Number of asbestos structures counted: 3

Number of asbestos structures >5µm: 1

Number of asbestos fibers & bundles >5µm: 1

Number of PCM equivalent asbestos structures: 1

Number of PCM equivalent asbestos fibers: 1

Total Concentration 0.003 s/cc

A handwritten signature in black ink, appearing to read "J. Mlekush", is written over a horizontal line. Below the line, the text "(Reviewed and Approved)" is printed.

September 21, 2012

(Date)



ASBESTOS CHAIN OF CUSTODY

2033 Heritage Park Drive, Oklahoma City, OK 73120-7502
(800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

www.QuanTEM.com

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

Contact Information		Project Information	
Company: AMEC Environment & Infrastructure	Phone: (248) 313-3691	Project Name: Lake Linden C&H Power Plant Site	Report Results (one box)
Contact: Douglas Saigh	Cell Phone: (586) 382-0805	Project Location: Torch Lake Twp., Michigan	<input type="checkbox"/> Quantem Website
Account #:	E-mail: doug.saigh@amec.com	Project ID: 3293-11-1440 Task 2300	<input checked="" type="checkbox"/> Other email

Sampled By: James Piasecki	Date: 9/16/12
RELINQUISHED BY: MICHAEL DENDE	DATE & TIME: 9/18/12
	RECEIVED BY: [Signature]
	DATE & TIME: 9/19/12 9:20

REQUESTED SERVICES (Please check the appropriate boxes)

PLM	PLM	PLM	TEM	TEM	TURNAROUND TIME
<input type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/> Air- AHERA	<input type="checkbox"/> Bulk- Presence / Absence EPA600/R-93/116	<input type="checkbox"/> Rush	
<input type="checkbox"/> 400 Point Count	<input type="checkbox"/> Other	<input type="checkbox"/> Air- NIOSH 7402	<input type="checkbox"/> Bulk- Quantitative [weight%]- Chatfield	<input type="checkbox"/> Same Day	
<input type="checkbox"/> 1000 Point Count		<input checked="" type="checkbox"/> Air- ISO 10312	<input type="checkbox"/> Dust- Presence / Absence	<input checked="" type="checkbox"/> 24-Hour	
<input type="checkbox"/> Gravimetric Preparation	<input type="checkbox"/> PCM	<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Dust- Quantitative [fibers/sq.cm]- ASTM D5755	<input checked="" type="checkbox"/> 3 - Day	
<input type="checkbox"/> Particle ID	<input type="checkbox"/> NIOSH 7400	<input type="checkbox"/> Waste Water- EPA 600/4-83-043	<input type="checkbox"/> Other	<input type="checkbox"/> 5 - Day	


No.	Sample ID (10 Characters Max)	To Be Analyzed	Description	Volume / Area (as applicable)	Comments / Notes
1	LL-I01-18XX-AC01	<input checked="" type="checkbox"/>	ABS	515 L	
2	LL-I01-18XX-AC02	<input checked="" type="checkbox"/>		495 L	
3	LL-I01-18XX-AC03	<input checked="" type="checkbox"/>		503 L	
4	LL-I01-40XX-AC01	<input checked="" type="checkbox"/>		508 L	
5	LL-I01-40XX-AC02	<input checked="" type="checkbox"/>		475 L	
6	LL-I01-40XX-AC03	<input checked="" type="checkbox"/>		507 L	
7		<input type="checkbox"/>			
8		<input type="checkbox"/>			
9		<input type="checkbox"/>			
10		<input type="checkbox"/>			

SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"

* Filter damaged prior to receipt. Not enough filter left to prep for 9/19/12

Filter Diagram

TEM Air Sample Analysis Sheet


gm/KA 9/19
 preparer's initials / date

Client: AMEC NOVI

G.O. Area

Analytical Sensitivity

ical
ivity (s/cc)

1321

Quantum	Sample ID	preparer's initials / date

QuantEM
Sample ID

No. GO analyzed

18

Analytical Sensitivity (α/mm²)

Client			
Sample ID	LLT01-18XX-AC01	Filter Type	0.45μ 0.8μ 25 mm MCE

0.00

Grid	Square
64	63

Sample ID LL101-18XX-ACG

Filter Type

0.8 μ 25 mm MCE

Grid	7	7
Orient.	7	7

Volume 515

Area Analyzed

B: 748

scope / Screen Mag

00CXII / 18

Prep Evaluation	Good	Fair
	Good	Fair

Analysis performed

Grid Archival

ES4ES
(A6 A70809 A10
D6 070809 B10 16)

Operating Voltage

✓

Analyzed by Wendy Date Analyzed 9/20/12

9/20/12

[illegible]



9/20/12

Analyzed by

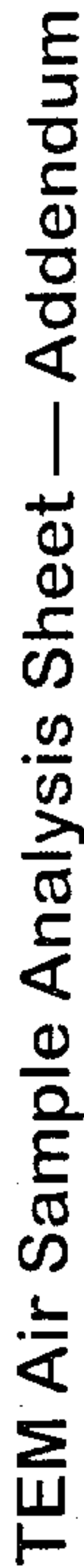
[illegible]



Date Analyzed 9/20/12

Analyzed by LA

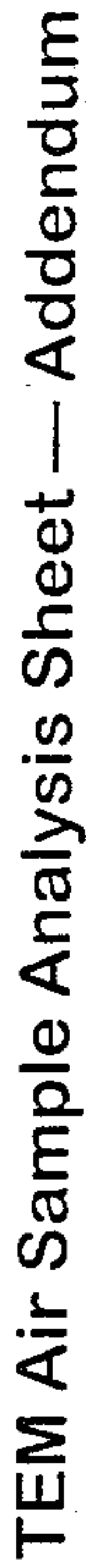
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9/20/12

2

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QuantEM Sample ID	Date Analyzed
212844-2	9/20/12

Date Analyzed 9/20/12

Client Sample ID LL101-18 XX-AL02 Analyzed by DA

Analyzed by LA

[illegible]



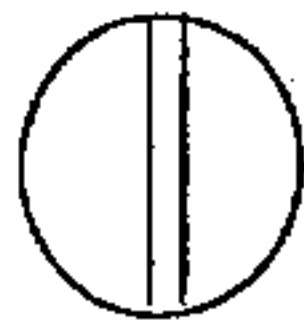
9/20/12

5

[illegible]



Filter Diagram



gm/LA 9/19

preparer's initials / date

TEM Air Sample Analysis Sheet

Page 1 of 7

Client AMEC NOVI G.O. Area 0.0110 Analytical Sensitivity (s/cc) 1.3
Quantem Sample ID 212844-3 No. GO analyzed 70 Analytical Sensitivity (s/mm²) 0.001

Client Sample ID LL101-18XX-AC03 Filter Type 0.45μ 0.8μ 25 mm MCE

Volume 503 Area Analyzed 0.770 Microscope / Screen Mag JEOL 100CXII / 18150X

Analysis performed TEM AHERA Grid Archival 2185 (NO A3 A4 A5) Accelerating Voltage 100KeV

Analyzed by LA Date Analyzed 9/20/12

Grid Square

Grid Orient.

Prep Evaluation

Good	Good
Fair	Fair

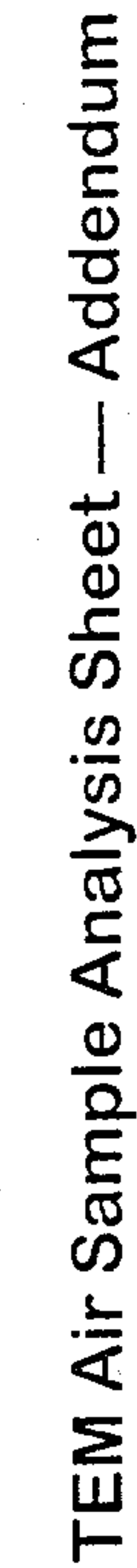
Grid Opening	Structure No.	Sketch	Length (μ)	Width (μ)	Type (F, B, M, C)	EDXA	SAED Pattern (C, A, N)	SAED Micrograph	SAED Line Space Camera Length cm	Conclusion
A3/J1										NSD
A9/H7										
N4										
N6										
A2/V7										
V2										
Q403										
J6	1		5.1	0.08	M		C		9.31°	Cur

QuantEM Sample ID	Date Analyzed
212844-3	9/20/12

Date Analyzed 9/20/12

Client Sample ID LLI01-18 XX-AL03 Analyzed by LA

Analyzed by LL[illegible]



Date Analyzed 9/20/12

Analized by

[illegible]



QuantEM
Sample ID

212844-3

Date Analyzed

9/2/12

Client Sample ID

Sample ID LL101-18 XX-AL03

Analyzed by

24

[illegible]



QuantEM Sample ID	Date Analyzed
212844-3	9/21/12

Client Sample ID	Analyzed by
LL101-18 XX-ACD3	LA

[illegible]

212844-3

Client Sample ID LL101-18 XX-AL03

Analized by

[illegible]





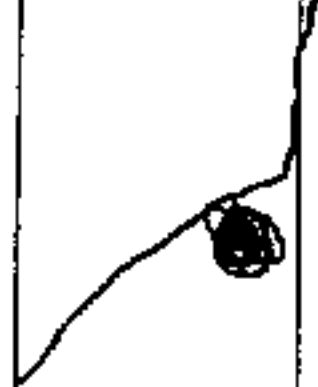


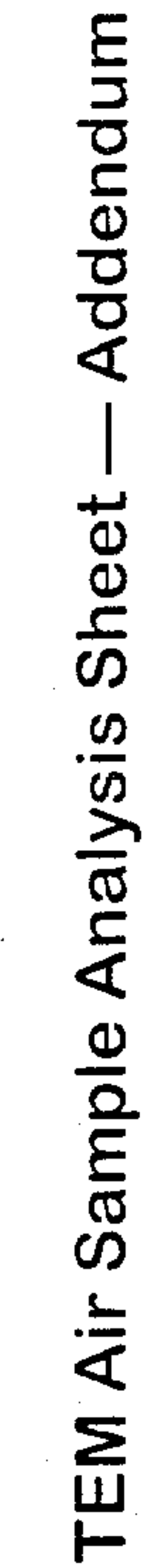
TEM Air Sample Analysis Sheet — Addendum

Page 7 of 7

Quantem Sample ID 212844-3 Date Analyzed 9/21/12

Client Sample ID LL101-18XX-AL03 Analyzed by LA

Grid Opening	Structure No.	Sketch	Length (μ)	Width (μ)	Type (F, B, M, C)	EDXA	SAED Pattern (C, A, N)	SAED Micrograph	SAED Line Space Camera Length cm	Conclusion
C4/K9										NSD
K7										
K1	8		2.75	0.1	F		C		5.3 Å	Chry
E8										NSD
E2	9		3.5	0.1	F		C		5.3 Å	Chry
	10		3.1	0.1	F		C		5.3 Å	Chry
C5/I3	11		3.4	0.1	M		C		5.3 Å	Chry
I4										NSD
P1/P6										5
Q8	12		11.5	0.1	F		C		5.3 Å	Chry



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21284-4

Date Analyzed

9/21/2

Client Sample ID

LLJ01-1060XX-AL01

Analyzed by

2A

[illegible]



QuantEM Sample ID	Date Analyzed
212844-4	9/21/12

Client Sample ID	Analyzed by
LL101-66XX-AL01	LA

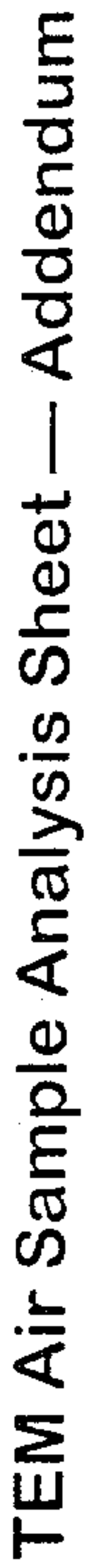
[illegible]



QuantEM Sample ID	Date Analyzed
212844-4	9/21/12

Client Sample ID	LL101-66XX-AL01	Analyzed by	LA
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LA

[illegible]



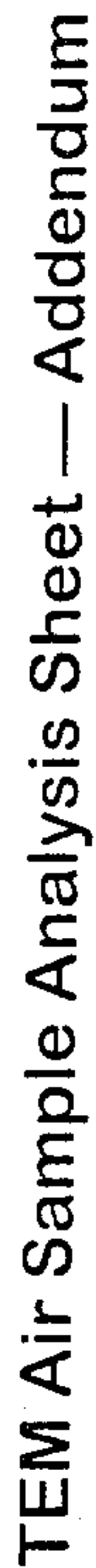
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Sample ID

Date Analyzed 9/21/12

Client Sample ID LL101-66XX-AL61

Analyzed by J A / Juel

[illegible]



212844-11

Date Analyzed

9/21/2

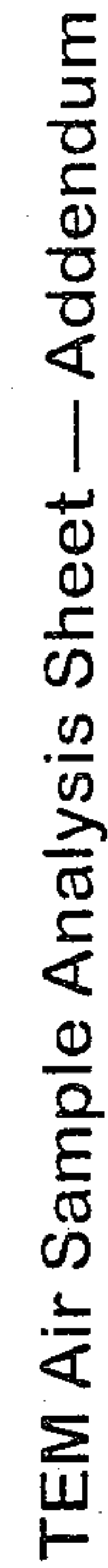
Client Sample ID

LLIOI-606XX-ALCOI

Analyzed by

Over

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212844-6

Date Analyzed

9/21/12

Client Sample ID

LLIO-66XX-A103

Analyzed by

Two

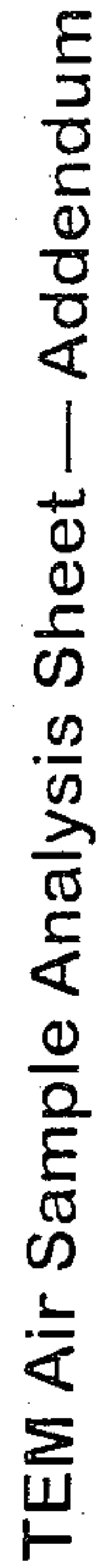
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21/12/6

Analyzed by

[illegible]



212844-6

Date Analyzed

9/21/22

Client Sample ID

LLIO-66 XX-A103

Analyzed by

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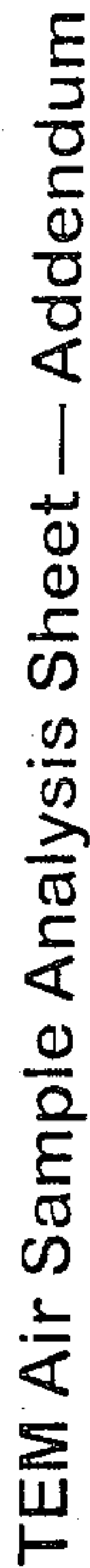
9/21/12

LLJ01-66 XX-A103

Analyzed by

Abel

[illegible]



QuantEM	Sample ID
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212844-6

Date Analyzed

9/21/12

Client Sample ID

LLIO-66XX-A/O3

Analyzed by

Abel

[illegible]



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

AMEC NOVI, MI
Doug Saigh
46850 Magellan Drive Ste 190
Novi, Michigan 48377

Re: Quantem ID 213324

Quantem appreciates the opportunity to provide analytical testing services to you. Attached are your reports and other supporting documentation for the above referenced project.

Thank you for making Quantem your lab of choice. If you have any question concerning this or other reports please feel free to contact us at 800-822-1650.

We continually work to improve our service. Help us out by providing feed back on your experience at www.QuanTEM.com. Click on Service Survey and fill out the form. We look forward to hearing from you.

Respectfully,
Quantem Laboratories, LLC.





2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Transmission Electron Microscopy Asbestos Analysis Report

QuantEM Sample ID: 213324-001

Date Received: October 2, 2012

Received By: Joanna Mueller

Analyzed By: L. Armstrong

Analytical Method: ISO 10312

Instrument/ Mag.: JEOL 100CXII / 18,150X

Filter Type: 0.45µm 25 mm MCE

Client: AMEC—Novi, MI

Account Number: B894

Client Sample ID: LLI01-06XX-AC01

Sample Volume: 550 (Revised)

Number of Grid Openings: 64

Area Analyzed: 0.704 mm²

Grid Archival: 2194 D4 D5 E1 E2 E3 E4 E5

A6 A7 A8 A9 A10 B6

Analysis Summary

Analytical Sensitivity: 0.001 s/cc

Detection Limit: 0.003 s/cc

Number of primary asbestos structures: 1

Number of asbestos structures counted: 1

Number of asbestos structures >5µm: 0

Number of asbestos fibers & bundles >5µm: 0

Number of PCM equivalent asbestos structures: 0

Number of PCM equivalent asbestos fibers: 0

Total Concentration <0.003 s/cc


(Reviewed and Approved)

October 4, 2012

(Date)



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Transmission Electron Microscopy Asbestos Analysis Report

Quantem Sample ID: 213324-002

Date Received: October 2, 2012

Received By: Joanna Mueller

Analyzed By: L. Armstrong

Analytical Method: ISO 10312

Instrument/ Mag.: JEOL 100CXII / 18,150X

Filter Type: 0.45µm 25 mm MCE

Client: AMEC—Novi, MI

Account Number: B894

Client Sample ID: LLI01-06XX-AC02

Sample Volume: 557

Number of Grid Openings: 63

Area Analyzed: 0.693 mm²

Grid Archival: 2194 B7 B8 B9 B10 C6 C7 C8

C9 C10 D6 D7 D8 D9

Analysis Summary

Analytical Sensitivity: 0.001 s/cc

Detection Limit: 0.003 s/cc

Number of primary asbestos structures: 0

Number of asbestos structures counted: 0

Number of asbestos structures >5µm: 0

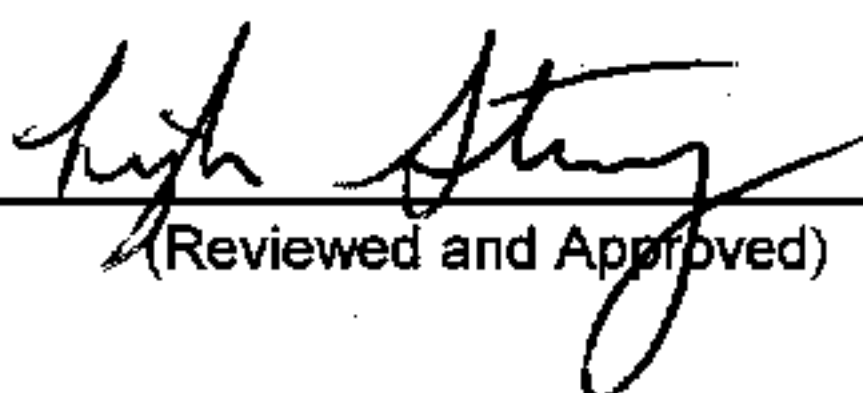
Number of asbestos fibers & bundles >5µm: 0

Number of PCM equivalent asbestos structures: 0

Number of PCM equivalent asbestos fibers: 0

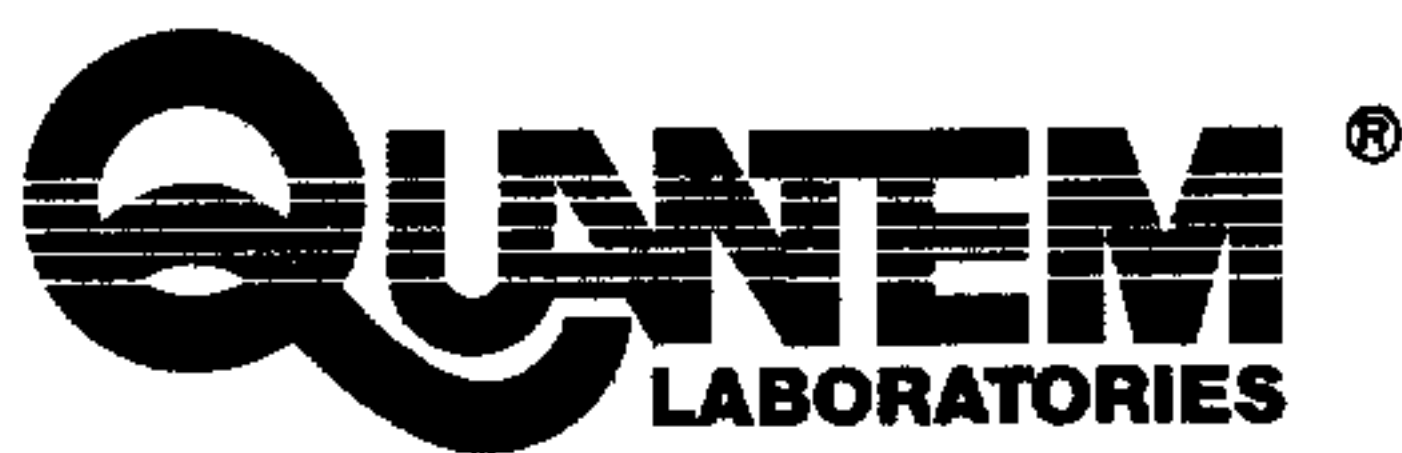
Total Concentration

<0.003 s/cc


(Reviewed and Approved)

October 4, 2012

(Date)



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Transmission Electron Microscopy Asbestos Analysis Report

Quantem Sample ID: 213324-003

Date Received: October 2, 2012

Received By: Joanna Mueller

Analyzed By: L. Armstrong

Analytical Method: ISO 10312

Instrument/ Mag.: JEOL 100CXII / 18,150X

Filter Type: 0.45µm 25 mm MCE

Client: AMEC—Novi, MI

Account Number: B894

Client Sample ID: LLI01-06XX-AC03

Sample Volume: 567

Number of Grid Openings: 62

Area Analyzed: 0.682 mm²

Grid Archival: 2194 D10 E6 E7 E8 E9 E10

2195 A1 A2 A3 A4 A5 B1 B2

Analysis Summary

Analytical Sensitivity: 0.001 s/cc

Detection Limit: 0.003 s/cc

Number of primary asbestos structures: 0

Number of asbestos structures counted: 0

Number of asbestos structures >5µm: 0

Number of asbestos fibers & bundles >5µm: 0

Number of PCM equivalent asbestos structures: 0

Number of PCM equivalent asbestos fibers: 0

Total Concentration <0.003 s/cc


(Reviewed and Approved)

October 4, 2012

(Date)



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Transmission Electron Microscopy Asbestos Analysis Report

QuantEM Sample ID: 213324-004

Date Received: October 2, 2012

Received By: Joanna Mueller

Analyzed By: L. Armstrong

Analytical Method: ISO 10312

Instrument/ Mag.: JEOL 100CXII / 18,150X

Filter Type: 0.45µm 25 mm MCE

Client: AMEC—Novi, MI

Account Number: B894

Client Sample ID: LLI01-28XX-AC01

Sample Volume: 497

Number of Grid Openings: 71

Area Analyzed: 0.781 mm²

Grid Archival: 2195 B3 B4 B5 C1 C2 C3 C4

C5 D1 D2 D3 D4 D5 E1

E2

Analysis Summary

Analytical Sensitivity:

0.001 s/cc

Detection Limit:

0.003 s/cc

Number of primary asbestos structures:

9

Number of asbestos structures counted:

9

Number of asbestos structures >5µm:

5

Number of asbestos fibers & bundles >5µm:

2

Number of PCM equivalent asbestos structures:


0

Number of PCM equivalent asbestos fibers:

0

Total Concentration

0.009 s/cc


(Reviewed and Approved)

October 4, 2012

(Date)



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Transmission Electron Microscopy Asbestos Analysis Report

Quantem Sample ID: 213324-005
Date Received: October 2, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-28XX-AC02
Sample Volume: 515

Analyzed By: L. Armstrong

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45µm 25 mm MCE

Number of Grid Openings: 68
Area Analyzed: 0.748 mm²
Grid Archival: 2195 E3 E4 E5 A6 A7 A8 A9
A10 B6 B7 B8 B9 B10
C6

Analysis Summary

Analytical Sensitivity: 0.001 s/cc
Detection Limit: 0.003 s/cc

Number of primary asbestos structures: 18

Number of asbestos structures counted: 18

Number of asbestos structures >5µm: 6

Number of asbestos fibers & bundles >5µm: 5

Number of PCM equivalent asbestos structures: 2

Number of PCM equivalent asbestos fibers: 0

Total Concentration 0.018 s/cc


(Reviewed and Approved)

October 4, 2012
(Date)



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Transmission Electron Microscopy Asbestos Analysis Report

Quantem Sample ID: 213324-006

Date Received: October 2, 2012

Received By: Joanna Mueller

Analyzed By: L. Armstrong

Analytical Method: ISO 10312

Instrument/ Mag.: JEOL 100CXII / 18,150X

Filter Type: 0.45µm 25 mm MCE

Client: AMEC—Novi, MI

Account Number: B894

Client Sample ID: LLI01-20XX-AC03

Sample Volume: 605

Number of Grid Openings: 58

Area Analyzed: 0.638 mm²

Grid Archival: 2195 C7 C8 C9 C10 D6 D7 D8

D9 D10 E6 E7 E8

Analysis Summary

Analytical Sensitivity: 0.001 s/cc

Detection Limit: 0.003 s/cc

Number of primary asbestos structures: 4

Number of asbestos structures counted: 4

Number of asbestos structures >5µm: 3

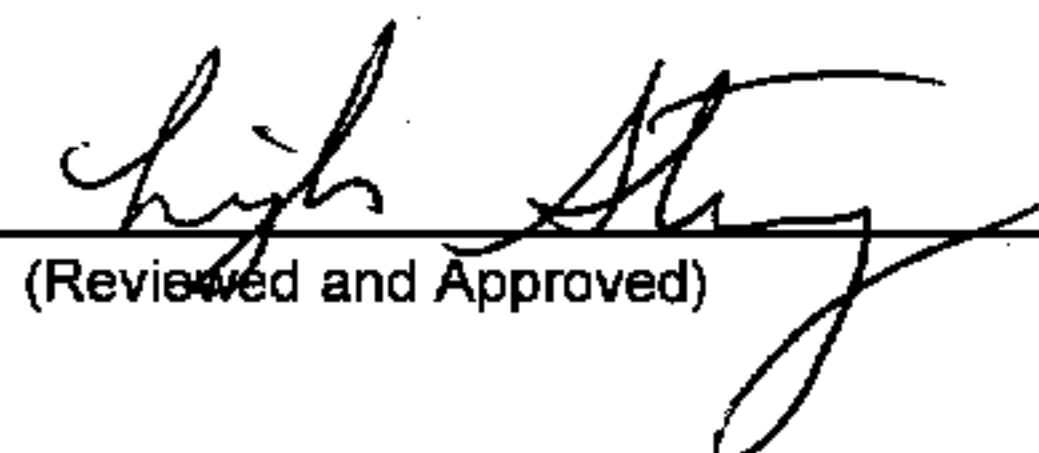
Number of asbestos fibers & bundles >5µm: 2

Number of PCM equivalent asbestos structures: 1

Number of PCM equivalent asbestos fibers: 0

Total Concentration

0.004 s/cc


(Reviewed and Approved)

October 4, 2012

(Date)

435



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For Lab Use Only	
Lab No.	213324
<input checked="" type="radio"/> Accept <input type="radio"/> Reject	
Report Results (one box)	
<input type="checkbox"/> QuanTEM Website	
<input checked="" type="checkbox"/> Other email	

Contact Information		Project Information	
Company:	AMEC Environment & Infrastructure	Project Name:	Lake Linden C&H Power Plant Site
Contact:	Douglas Saigh	Project Location:	Torch Lake Twp., Michigan
Account #:		Project ID:	3293-11-1440 Task 2300

Sampled By:	Name: Kurt L. Cunningham	Date:	10/11/12
-------------	--------------------------	-------	----------

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>[Signature]</i>	10/11/12 1435	FedEx	<i>[Signature]</i>	10/24/12 9:40

REQUESTED SERVICES (Please check the appropriate boxes)

PLM		PLM		TEM		TEM		TURNAROUND TIME	
<input type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/> Air- AHERA	<input type="checkbox"/> Bulk- Presence / Absence EPA600/R-93/116	<input type="checkbox"/> Rush	<input type="checkbox"/> 400 Point Count	<input type="checkbox"/> Air- NIOSH 7402	<input type="checkbox"/> Bulk- Quantitative [weight%]- Chatfield	<input type="checkbox"/> Same Day	<input type="checkbox"/> 24 - Hour
<input type="checkbox"/> 1000 Point Count	<input type="checkbox"/> Other	<input checked="" type="checkbox"/> Air- ISO 10312	<input type="checkbox"/> Dust- Presence / Absence	<input checked="" type="checkbox"/> 3 - Day	<input type="checkbox"/> Gravimetric Preparation	<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Dust- Quantitative [fibers/sq.cml]- ASTM D5755	<input type="checkbox"/> 5 - Day	
<input type="checkbox"/> Particle ID	<input type="checkbox"/> NIOSH 7400	<input type="checkbox"/> Waste Water- EPA 600/4-83-043	<input type="checkbox"/> Other						

No.	Sample ID (10 Characters Max)	To Be Analyzed	Date	Description	Volume / Area (as applicable)	Comments / Notes
1	06XX-AC01	<input checked="" type="checkbox"/>	10/1/12	ABS Sampling Cell 06	550L	4.66Lpm @ 118 min
2	06XX-AC02	<input checked="" type="checkbox"/>	10/1/12		557L	4.72Lpm @ 118 min
3	06XX-AC03	<input checked="" type="checkbox"/>	10/1/12		569L	4.82Lpm @ 118 min
4	06XX-AC01	<input checked="" type="checkbox"/>	10/1/12	ABS Sampling in Cell 28	497L	3.40Lpm @ 138 min
5	06XX-AC02	<input checked="" type="checkbox"/>	10/1/12		515L	3.73Lpm @ 138 min
6	06XX-AC03	<input checked="" type="checkbox"/>	10/1/12		605L	4.39Lpm @ 138 min
7		<input type="checkbox"/>				
8		<input type="checkbox"/>				
9		<input type="checkbox"/>				
10		<input type="checkbox"/>				



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

AMEC NOVL MI
Doug Saigh
46850 Magellan Drive Ste 190
Novi, Michigan 48377

Re: Quantem ID 213371

Quantem appreciates the opportunity to provide analytical testing services to you. Attached are your reports and other supporting documentation for the above referenced project.

Thank you for making Quantem your lab of choice. If you have any question concerning this or other reports please feel free to contact us at 800-822-1650.

We continually work to improve our service. Help us out by providing feed back on your experience at www.QuanTEM.com. Click on Service Survey and fill out the form. We look forward to hearing from you.

Respectfully,
Quantem Laboratories, LLC.





2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Transmission Electron Microscopy Asbestos Analysis Report

QuantEM Sample ID: 213371-001
Date Received: October 3, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-44XX-AC01
Sample Volume: 478

Analyzed By: L. Armstrong

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45µm 25 mm MCE

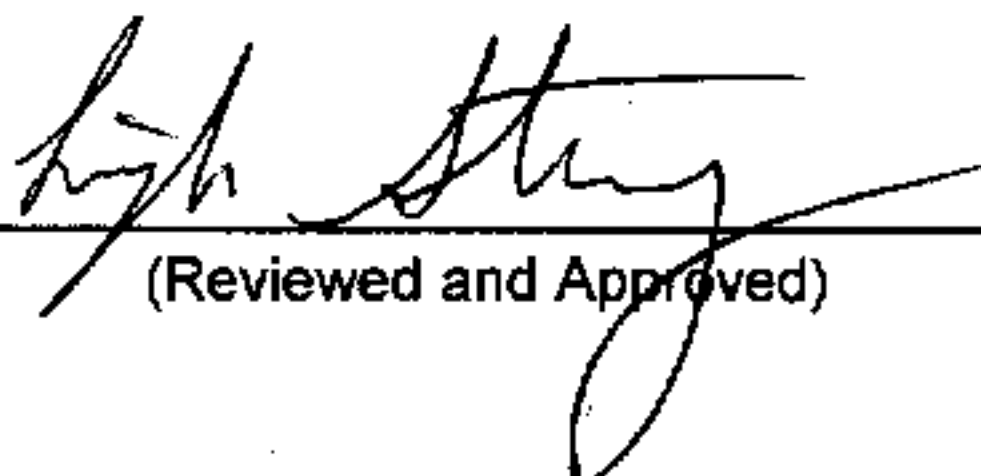
Number of Grid Openings: 74
Area Analyzed: 0.814mm²
Grid Archival: 2196 B9 B10 C6 C7 C8 C9
C10 D6 D7 D8 D9 D10
E6 E7 E8

Analysis Summary

Analytical Sensitivity: 0.001 s/cc
Detection Limit: 0.003 s/cc

Number of primary asbestos structures: 5
Number of asbestos structures counted: 5
Number of asbestos structures >5µm: 2
Number of asbestos fibers & bundles >5µm: 1
Number of PCM equivalent asbestos structures: 0
Number of PCM equivalent asbestos fibers: 0

Total Concentration 0.005 s/cc


(Reviewed and Approved)

October 5, 2012
(Date)



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Transmission Electron Microscopy Asbestos Analysis Report

QuantEM Sample ID: 213371-002

Date Received: October 3, 2012

Received By: Joanna Mueller

Analyzed By: L. Armstrong/J. Mlekush

Analytical Method: ISO 10312

Instrument/ Mag.: JEOL 100CXII / 18,150X

Filter Type: 0.45µm 25 mm MCE

Client: AMEC—Novi, MI

Account Number: B894

Client Sample ID: LLI01-44XX-AC02

Sample Volume: 510

Number of Grid Openings: 69

Area Analyzed: 0.759mm²

Grid Archival: 2197 A1 A2 A3 A4 A5

B1 B2 B3 B4 B5

C1 C2 C3 C4

Analysis Summary

Analytical Sensitivity: 0.001 s/cc

Detection Limit: 0.003 s/cc

Number of primary asbestos structures: 18

Number of asbestos structures counted: 20

Number of asbestos structures >5µm: 4

Number of asbestos fibers & bundles >5µm: 3

Number of PCM equivalent asbestos structures: 2

Number of PCM equivalent asbestos fibers: 2

Total Concentration 0.018 s/cc

A handwritten signature in black ink, appearing to read 'Joanna Mueller', is written over a horizontal line.

(Reviewed and Approved)

October 5, 2012

(Date)



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Transmission Electron Microscopy Asbestos Analysis Report

QuantEM Sample ID: 213371-003
Date Received: October 3, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-44XX-AC03
Sample Volume: 517

Analyzed By: L. Armstrong

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45µm 25 mm MCE

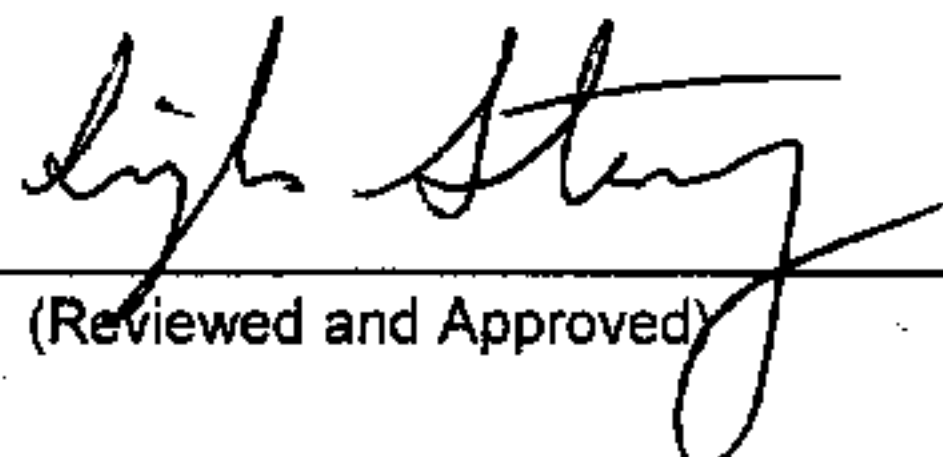
Number of Grid Openings: 68
Area Analyzed: 0.748mm²
Grid Archival: 2197 E5 D1 D2 D3 D4 D5
E1 E2 E3 E4 E5
A6 A7 A8

Analysis Summary

Analytical Sensitivity: 0.001 s/cc
Detection Limit: 0.003 s/cc

Number of primary asbestos structures: 9
Number of asbestos structures counted: 10
Number of asbestos structures >5µm: 1
Number of asbestos fibers & bundles >5µm: 1
Number of PCM equivalent asbestos structures: 0
Number of PCM equivalent asbestos fibers: 0

Total Concentration 0.010 s/cc


(Reviewed and Approved)

October 5, 2012
(Date)



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Transmission Electron Microscopy Asbestos Analysis Report

Quantem Sample ID: 213371-004
Date Received: October 3, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-53XX-AC01
Sample Volume: 470

Analyzed By: L. Armstrong

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45 μ m 25 mm MCE

Number of Grid Openings: 75
Area Analyzed: 0.825mm²
Grid Archival: 2197 A9 A10 B6 B7 B8 B9
B10 C6 C7 C8 C9 C10
D6 D7 D8

Analysis Summary

Analytical Sensitivity: 0.001 s/cc
Detection Limit: 0.003 s/cc

Number of primary asbestos structures: 0

Number of asbestos structures counted: 0

Number of asbestos structures >5 μ m: 0

Number of asbestos fibers & bundles >5 μ m: 0

Number of PCM equivalent asbestos structures: 0

Number of PCM equivalent asbestos fibers: 0

Total Concentration

<0.003 s/cc

A handwritten signature in black ink, appearing to read "Joanna Mueller", is written over a horizontal line. Below the line, the text "(Reviewed and Approved)" is printed.

(Reviewed and Approved)

October 8, 2012

(Date)



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Transmission Electron Microscopy Asbestos Analysis Report

Quantem Sample ID: 213371-005
Date Received: October 3, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-53XX-AC02
Sample Volume: 499

Analyzed By: L. Armstrong

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45µm 25 mm MCE

Number of Grid Openings: 71
Area Analyzed: 0.781 mm²
Grid Archival: 2197 D9 D10 E6 E7 E8
E9 E10

2198 A1 A2 A3 A4 A5 B1 B2 B3

Analysis Summary

Analytical Sensitivity: 0.001 s/cc
Detection Limit: 0.003 s/cc

Number of primary asbestos structures: 0

Number of asbestos structures counted: 0

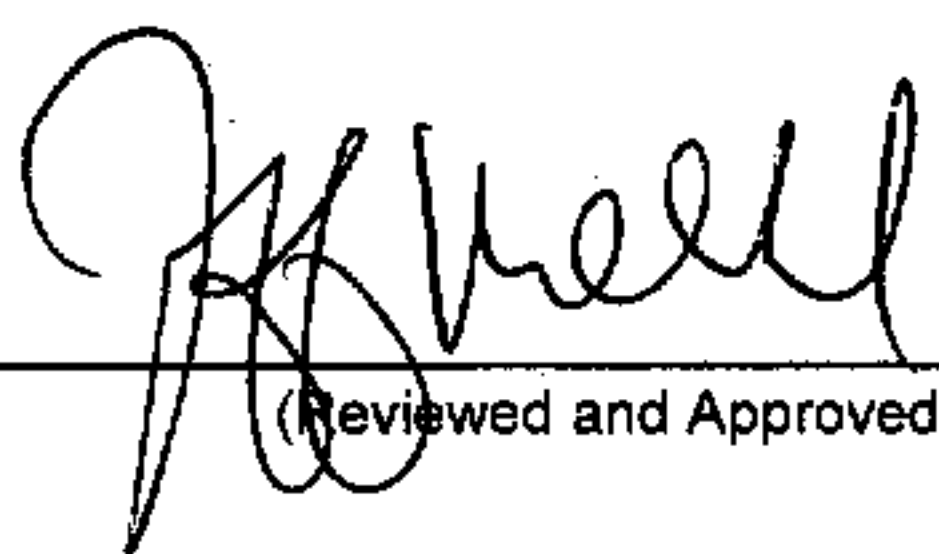
Number of asbestos structures >5µm: 0

Number of asbestos fibers & bundles >5µm: 0

Number of PCM equivalent asbestos structures: 0

Number of PCM equivalent asbestos fibers: 0

Total Concentration <0.003 s/cc



(Reviewed and Approved)

October 8, 2012

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Transmission Electron Microscopy Asbestos Analysis Report

QuantEM Sample ID: 213371-006
Date Received: October 3, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-53XX-AC03
Sample Volume: 499

Analyzed By: J. Mlekush

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45µm 25 mm MCE

Number of Grid Openings: 71
Area Analyzed: 0.781mm²
Grid Archival: **2198** B4 B5 C1 C2 C3 C4 C5
D1 D2 D3 D4 D5 E1 E2 E3

Analysis Summary

Analytical Sensitivity: 0.001 s/cc
Detection Limit: 0.003 s/cc

Number of primary asbestos structures: 0

Number of asbestos structures counted: 0

Number of asbestos structures >5µm: 0

Number of asbestos fibers & bundles >5µm: 0

Number of PCM equivalent asbestos structures: 0

Number of PCM equivalent asbestos fibers: 0

Total Concentration <0.003 s/cc

A handwritten signature in black ink, appearing to read 'J. Mlekush', is written over a horizontal line. Below the line, the text '(Reviewed and Approved)' is printed.

(Reviewed and Approved)

October 8, 2012

(Date)



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Transmission Electron Microscopy Asbestos Analysis Report

Quantem Sample ID: 213371-007
Date Received: October 3, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-42XX-AC01
Sample Volume: 530

Analyzed By: J. Mlekush

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45µm 25 mm MCE

Number of Grid Openings: 67
Area Analyzed: 0.737 mm²
Grid Archival: 2198 E4 E5 A6 A7 A8 A9
A10 B6 B7 B8 B9 B10
C6 C7

Analysis Summary

Analytical Sensitivity: 0.001 s/cc
Detection Limit: 0.003 s/cc

Number of primary asbestos structures: 0

Number of asbestos structures counted: 0

Number of asbestos structures >5µm: 0

Number of asbestos fibers & bundles >5µm: 0

Number of PCM equivalent asbestos structures: 0

Number of PCM equivalent asbestos fibers: 0

Total Concentration <0.003 s/cc

A handwritten signature in black ink, appearing to read "Joanna Mueller", is written over a horizontal line. Below the line, the text "(Reviewed and Approved)" is printed.

October 8, 2012

(Date)



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Transmission Electron Microscopy Asbestos Analysis Report

QuantEM Sample ID: 213371-008
Date Received: October 3, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-42XX-AC02
Sample Volume: 528

Analyzed By: J. Mlekush

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45µm 25 mm MCE

Number of Grid Openings: 67
Area Analyzed: 0.737 mm²
Grid Archival: 2198 C8 C9 C10D6 D7 D8 D9
D10 E6 E7 E8 E9 E10
2199 A1

Analysis Summary

Analytical Sensitivity:	0.001 s/cc
Detection Limit:	0.003 s/cc
Number of primary asbestos structures:	0
Number of asbestos structures counted:	0
Number of asbestos structures >5µm:	0
Number of asbestos fibers & bundles >5µm:	0
Number of PCM equivalent asbestos structures:	0
Number of PCM equivalent asbestos fibers:	0
Total Concentration	<0.003 s/cc

A handwritten signature in black ink, appearing to read "J. Mlekush", is written over a horizontal line. Below the line, the text "(Reviewed and Approved)" is printed.

(Reviewed and Approved)

October 8, 2012

(Date)



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Transmission Electron Microscopy Asbestos Analysis Report

Quantem Sample ID: 213371-009
Date Received: October 3, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-19XX-AC01
Sample Volume: 497

Analyzed By: J. Mlekush

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45 μ m 25 mm MCE

Number of Grid Openings: 71
Area Analyzed: 0.781mm²
Grid Archival: **2199** A2 A3 A4 A5 B1 B2
B3 B4 B5 C1 C2 C3
C4 C5 D1

Analysis Summary

Analytical Sensitivity:	0.001 s/cc
Detection Limit:	0.003 s/cc
Number of primary asbestos structures:	2
Number of asbestos structures counted:	2
Number of asbestos structures >5 μ m:	0
Number of asbestos fibers & bundles >5 μ m:	0
Number of PCM equivalent asbestos structures:	0
Number of PCM equivalent asbestos fibers:	0
Total Concentration	<0.003 s/cc

A handwritten signature in black ink, appearing to read "J. Mlekush", is written over a horizontal line. Below the line, the text "(Reviewed and Approved)" is printed in a small, sans-serif font.

October 8, 2012

(Date)

A135



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Page 1 of 1

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Lab No.	213371
Accept	Reject

Report Results (one box)	
<input type="checkbox"/> Quantem Website	<input checked="" type="checkbox"/> Other email

Contact Information		Project Information	
Company: AMEC Environment & Infrastructure	Phone: (248) 313-3691	Project Name:	Lake Linden C&H Power Plant Site
Contact: Douglas Saigh	Cell Phone: (586) 382-0805	Project Location:	Torch Lake Twp., Michigan
Account #:	E-mail: doug.saigh@amec.com	Project ID:	3293-11-1440 Task 2300

Sampled By:	Name: KURT L. CUNNINGHAM	Date: 10/2/12
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RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>[Signature]</i>	10/2/12 1412	FedEx	<i>[Signature]</i>	10/3/12 9:30

REQUESTED SERVICES (Please check the appropriate boxes)

PLM		PLM		TEM		TEM		TURNAROUND TIME	
<input type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/> Air- AHERA	<input type="checkbox"/> Bulk- Presence / Absence EPA600/R-93/116	<input type="checkbox"/> Rush	<input type="checkbox"/> Bulk- Quantitative [weight%]- Chatfield	<input type="checkbox"/> Same Day	<input type="checkbox"/> Dust- Presence / Absence	<input checked="" type="checkbox"/> 24 - Hour	<input type="checkbox"/> 3 - Day
<input type="checkbox"/> 400 Point Count	<input type="checkbox"/> Other	<input checked="" type="checkbox"/> Air- NIOSH 7402	<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> 5 - Day	<input type="checkbox"/> Dust- Quantitative [fibers/sq.cm]- ASTM D5755				
<input type="checkbox"/> 1000 Point Count		<input type="checkbox"/> Air- ISO 10312							
<input type="checkbox"/> Gravimetric Preparation	<input type="checkbox"/> PCM	<input type="checkbox"/> Waste Water- EPA 600/4-83-043							
<input type="checkbox"/> Particle ID	<input type="checkbox"/> NIOSH 7400								

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color Date	Description	Volume / Area (as applicable)	Comments / Notes
1	44XX-A201	<input checked="" type="checkbox"/>	10/1/12	Cell 144	478	3.77 gpm @ 127 min
2	44XX-A202	<input checked="" type="checkbox"/>	10/1/12		510	3.52 gpm @ 145 min
3	44XX-A203	<input checked="" type="checkbox"/>	10/1/12		517	4.08 gpm @ 127 min
4	44XX-A201	<input checked="" type="checkbox"/>	10/2/12	Cell 53	470	3.74 gpm @ 134 min
5	44XX-A202	<input checked="" type="checkbox"/>	10/2/12		499	3.70 gpm @ 135 min
6	44XX-A203	<input checked="" type="checkbox"/>	10/2/12		499	3.70 gpm @ 135 min
7	44XX-A201	<input checked="" type="checkbox"/>	10/2/12	Cell 42	530	3.53 gpm @ 150 min
8	44XX-A202	<input checked="" type="checkbox"/>	10/2/12		528	3.52 gpm @ 149 min
9	44XX-A201	<input checked="" type="checkbox"/>	10/2/12	Cell 19	497	3.64 gpm @ 136 min
10		<input type="checkbox"/>				



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

AMEC NOVI, MI
Doug Saigh
46850 Magellan Drive Ste 190
Novi, Michigan 48377

Re: QuantEM ID 213411

QuantEM appreciates the opportunity to provide analytical testing services to you. Attached are your reports and other supporting documentation for the above referenced project.

Thank you for making QuantEM your lab of choice. If you have any question concerning this or other reports please feel free to contact us at 800-822-1650.

We continually work to improve our service. Help us out by providing feed back on your experience at www.QuanTEM.com. Click on Service Survey and fill out the form. We look forward to hearing from you.

Respectfully,
QuantEM Laboratories, LLC.





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Transmission Electron Microscopy Asbestos Analysis Report

Quantem Sample ID: 213411-001
Date Received: October 4, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-19XX-AC02
Sample Volume: 505

Analyzed By: J. Mlekush

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45µm 25 mm MCE

Number of Grid Openings: 70
Area Analyzed: 0.770 mm²
Grid Archival: **2199** A6 A7 A8 A9 A10
B6 B7 B8 B9 B10
C6 C7 C8 C9

Analysis Summary

Analytical Sensitivity: 0.001 s/cc
Detection Limit: 0.003 s/cc

Number of primary asbestos structures: 5

Number of asbestos structures counted: 5

Number of asbestos structures >5µm: 1

Number of asbestos fibers & bundles >5µm: 1

Number of PCM equivalent asbestos structures: 1

Number of PCM equivalent asbestos fibers: 0

Total Concentration 0.005 s/cc

A handwritten signature in black ink, appearing to read "J. Mlekush", is written over a horizontal line. Below the line, the text "(Reviewed and Approved)" is printed.

October 8, 2012

(Date)



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Transmission Electron Microscopy Asbestos Analysis Report

Quantem Sample ID: 213411-002
Date Received: October 4, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-19XX-AC03
Sample Volume: 419

Analyzed By: L. Armstrong

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45µm 25 mm MCE

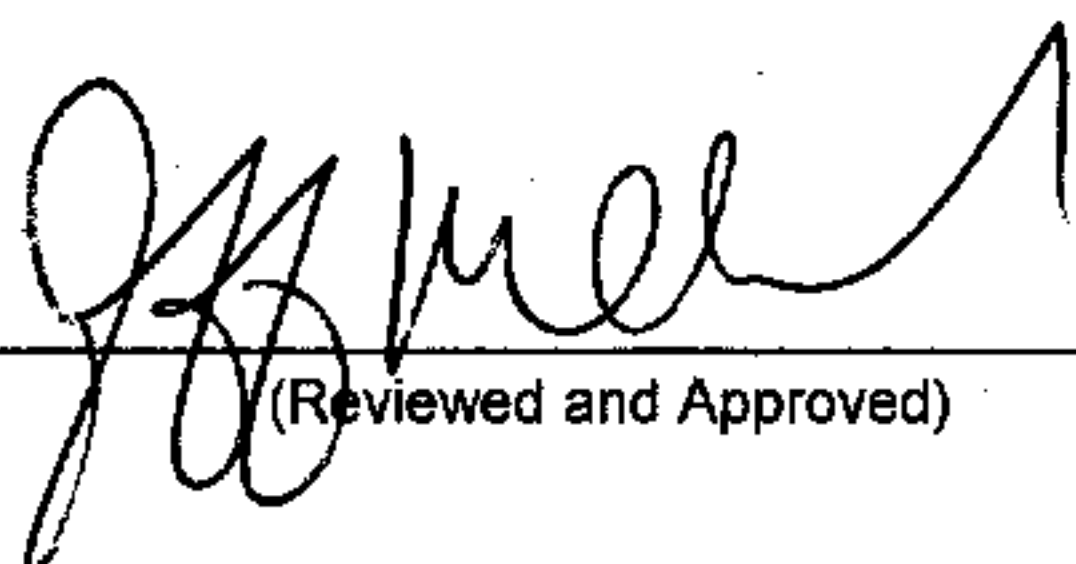
Number of Grid Openings: 84
Area Analyzed: 0.924 mm²
Grid Archival: 2199 C10 D6 D7 D8 D9 D10
E6 E7 E8 E9 E10
2201 E2 E3 E4 E5 A6 A7

Analysis Summary

Analytical Sensitivity:	0.001 s/cc
Detection Limit:	0.003 s/cc
Number of primary asbestos structures:	2
Number of asbestos structures counted:	2
Number of asbestos structures >5µm:	1
Number of asbestos fibers & bundles >5µm:	1
Number of PCM equivalent asbestos structures:	0
Number of PCM equivalent asbestos fibers:	0

Total Concentration

<0.003 s/cc


(Reviewed and Approved)

October 8, 2012

(Date)



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Transmission Electron Microscopy Asbestos Analysis Report

Quantem Sample ID: 213411-003
Date Received: October 4, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-42XX-AC03
Sample Volume: 471

Analyzed By: L. Armstrong

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45µm 25 mm MCE

Number of Grid Openings: 75
Area Analyzed: 0.825 mm²
Grid Archival: 2201 A8 A9 A10 B6 B7 B8 B9
B10 C6 C7 C8 C9 C10
D6 D7

Analysis Summary

Analytical Sensitivity:	0.001 s/cc
Detection Limit:	0.003 s/cc
Number of primary asbestos structures:	0
Number of asbestos structures counted:	0
Number of asbestos structures >5µm:	0
Number of asbestos fibers & bundles >5µm:	0
Number of PCM equivalent asbestos structures:	0
Number of PCM equivalent asbestos fibers:	0
Total Concentration	<0.003 s/cc

A handwritten signature in black ink, appearing to read "Joanna Mueller", is written over a horizontal line. Below the line, the text "(Reviewed and Approved)" is printed.

October 8, 2012

(Date)



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Transmission Electron Microscopy Asbestos Analysis Report

Quantem Sample ID: 213411-004
Date Received: October 4, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-63XX-AC01
Sample Volume: 520

Analyzed By: L. Armstrong

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45µm 25 mm MCE

Number of Grid Openings: 68
Area Analyzed: 0.748 mm²
Grid Archival: 2201 D8 D9 D10 E6 E7 E8 E9
E10
2202 A1 A2 A3 A4 A5 B1

Analysis Summary

Analytical Sensitivity:	0.001 s/cc
Detection Limit:	0.003 s/cc
Number of primary asbestos structures:	0
Number of asbestos structures counted:	0
Number of asbestos structures >5µm:	0
Number of asbestos fibers & bundles >5µm:	0
Number of PCM equivalent asbestos structures:	0
Number of PCM equivalent asbestos fibers:	0

Total Concentration

<0.003 s/cc

A handwritten signature in black ink, appearing to read "Joanna Mueller", is written over a horizontal line. Below the line, the text "(Reviewed and Approved)" is printed.

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Transmission Electron Microscopy Asbestos Analysis Report

Quantem Sample ID: 213411-005
Date Received: October 4, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-63XX-AC02
Sample Volume: 507


Analyzed By: J. Mlekush

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45µm 25 mm MCE

Number of Grid Openings: 70
Area Analyzed: 0.77mm²
Grid Archival: 2202 B2 B3 B4 B5 C1 C2 C3
C4 C5 D1 D2 D3 D4 D5

Analysis Summary

Analytical Sensitivity:	0.001 s/cc
Detection Limit:	0.003 s/cc
Number of primary asbestos structures:	0
Number of asbestos structures counted:	0
Number of asbestos structures >5µm:	0
Number of asbestos fibers & bundles >5µm:	0
Number of PCM equivalent asbestos structures:	0
Number of PCM equivalent asbestos fibers:	0
Total Concentration	<0.003 s/cc



(Reviewed and Approved)

October 8, 2012

(Date)



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Transmission Electron Microscopy Asbestos Analysis Report

Quantem Sample ID: 213411-006

Date Received: October 4, 2012

Received By: Joanna Mueller

Analyzed By: J. Mlekush

Analytical Method: ISO 10312

Instrument/ Mag.: JEOL 100CXII / 18,150X

Filter Type: 0.45µm 25 mm MCE

Client: AMEC—Novi, MI

Account Number: B894

Client Sample ID: LLI01-39XX-AC01

Sample Volume: 511

Number of Grid Openings: 69

Area Analyzed: 0.759 mm²

Grid Archival: **2202** E1 E2 E3 E4 E5 A6 A7

A8 A9 A10 B6 B7 B8 B9

Analysis Summary

Analytical Sensitivity: 0.001 s/cc

Detection Limit: 0.003 s/cc

Number of primary asbestos structures: 0

Number of asbestos structures counted: 0

Number of asbestos structures >5µm: 0

Number of asbestos fibers & bundles >5µm: 0

Number of PCM equivalent asbestos structures: 0

Number of PCM equivalent asbestos fibers: 0

Total Concentration <0.003 s/cc

A handwritten signature in black ink, appearing to read "Joanna Mueller", is written over a horizontal line. Below the line, the text "(Reviewed and Approved)" is printed in a small, sans-serif font.

October 8, 2012

(Date)



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Transmission Electron Microscopy Asbestos Analysis Report

QuantEM Sample ID: 213411-007
Date Received: October 4, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-XX-AC0
Sample Volume: 514

Analyzed By: J. Mlekush

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45µm 25 mm MCE

Number of Grid Openings: 69
Area Analyzed: 0.759 mm²
Grid Archival: **2202** B10 C6 C7 C8 C9 C10
D6 D7 D8 D9 D10 E6 E7
E8

Analysis Summary

Analytical Sensitivity:	0.001 s/cc
Detection Limit:	0.003 s/cc
Number of primary asbestos structures:	1
Number of asbestos structures counted:	1
Number of asbestos structures >5µm:	1
Number of asbestos fibers & bundles >5µm:	0
Number of PCM equivalent asbestos structures:	0
Number of PCM equivalent asbestos fibers:	0

Total Concentration

<0.003 s/cc

A handwritten signature in black ink, appearing to read "J. Mlekush", is written over a horizontal line. Below the line, the text "(Reviewed and Approved)" is printed.

October 8, 2012

(Date)



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Transmission Electron Microscopy Asbestos Analysis Report

Quantem Sample ID: 213411-008
Date Received: October 4, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-39XX-AC03
Sample Volume: 514

Analyzed By: J. Mlekush

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45 μ m 25 mm MCE

Number of Grid Openings: 69
Area Analyzed: 0.759 mm²
Grid Archival: 2202 E9 E10

2203 A1 A2 A3 A4 A5 B1 B2
B3 B4 B5 C1 C2

Analysis Summary

Analytical Sensitivity: 0.001 s/cc
Detection Limit: 0.003 s/cc

Number of primary asbestos structures: 1
Number of asbestos structures counted: 1
Number of asbestos structures >5 μ m: 0
Number of asbestos fibers & bundles >5 μ m: 0
Number of PCM equivalent asbestos structures: 0
Number of PCM equivalent asbestos fibers: 0

Total Concentration

<0.003 s/cc

A handwritten signature in black ink, appearing to read "J. Mlekush", is written over a horizontal line. Below the line, the text "(Reviewed and Approved)" is printed.

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(Date)



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Transmission Electron Microscopy Asbestos Analysis Report

QuantEM Sample ID: 213411-009
Date Received: October 4, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-6362-AC03
Sample Volume: 526

Analyzed By: L. Armstrong

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45µm 25 mm MCE

Number of Grid Openings: 67
Area Analyzed: 0.737 mm²
Grid Archival: **2203** C3 C4 C5 D1 D2 D3
D4 D5 E1 E2 E3 E4
E5 A6

Analysis Summary

Analytical Sensitivity: 0.001 s/cc
Detection Limit: 0.003 s/cc

Number of primary asbestos structures: 3

Number of asbestos structures counted: 3

Number of asbestos structures >5µm: 1

Number of asbestos fibers & bundles >5µm: 1

Number of PCM equivalent asbestos structures: 0

Number of PCM equivalent asbestos fibers: 0

Total Concentration 0.003 s/cc

A handwritten signature in black ink, appearing to read "Joanna Mueller", is written over a horizontal line. Below the line, the text "(Reviewed and Approved)" is printed.

(Reviewed and Approved)

October 9, 2012

(Date)

ABS

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Page 1 of 1

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Lab No.	213411
	Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>

Report Results (one box)	
<input type="checkbox"/> Quantem Website	
<input checked="" type="checkbox"/> Other email	

Contact Information		Project Information	
Company: AMEC Environment & Infrastructure	Phone: (248) 313-3691	Project Name: Lake Linden C&H Power Plant Site	
Contact: Douglas Saigh	Cell Phone: (586) 382-0805	Project Location: Torch Lake Twp., Michigan	
Account #:	E-mail: doug.saigh@amec.com	Project ID: 3293-11-1440 Task 2300	

Sampled By: <i>Kurt L. Cunningham</i>	Date: 10/21/12
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RELINQUISHED BY: <i>[Signature]</i>	DATE & TIME: 10/21/12	VIA: FedEx	RECEIVED BY: <i>[Signature]</i>	DATE & TIME: 10/21/12 9:40
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REQUESTED SERVICES (Please check the appropriate boxes)

PLM		PLM		TEM		TEM		TURNAROUND TIME	
<input type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/> Air- AHERA	<input type="checkbox"/> Bulk- Presence / Absence EPA600/R-93/116	<input type="checkbox"/> Rush	<input type="checkbox"/> Bulk- Quantitative [weight%]- Chatfield	<input type="checkbox"/> Same Day	<input type="checkbox"/> Dust- Presence / Absence	<input checked="" type="checkbox"/> 24 - Hour	<input type="checkbox"/> 3 - Day
<input type="checkbox"/> 400 Point Count	<input type="checkbox"/> Other	<input checked="" type="checkbox"/> Air- NIOSH 7402	<input type="checkbox"/> Dust- Quantitative [fibers/sq.cm]- ASTM D5755	<input type="checkbox"/> 5 - Day	<input type="checkbox"/> 24 - Hour	<input type="checkbox"/> 3 - Day	<input type="checkbox"/> Other		
<input type="checkbox"/> 1000 Point Count		<input type="checkbox"/> Air- ISO 10312							
<input type="checkbox"/> Gravimetric Preparation		<input type="checkbox"/> Drinking Water- EPA 100.2							
<input type="checkbox"/> Particle ID	<input type="checkbox"/> NIOSH 7400	<input type="checkbox"/> Waste Water- EPA 600/4-83-043							

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color Date	Description	Volume / Area (as applicable)	Comments / Notes
1	LLIO1-AC02	<input checked="" type="checkbox"/>	10/21/12	Cell 19	505 L	3.54 gpm @ 70 min plus 3.55 gpm @ 67 min
2	LLIO1-AC03	<input checked="" type="checkbox"/>	10/21/12	Cell 42	419 L	3.62 gpm @ 116 min
3	LLIO1-AC03	<input checked="" type="checkbox"/>	10/21/12	Cell 42	471 L	3.66 gpm @ 129 min
4	LLIO1-AC01	<input checked="" type="checkbox"/>	10/21/12	Cell 63 plus 5E corner cell 62	520 L	3.82 gpm @ 136 min
5	LLIO1-AC02	<input checked="" type="checkbox"/>	10/21/12	Cell 39	507	3.73 gpm @ 136 min
6	LLIO1-AC01	<input checked="" type="checkbox"/>	10/21/12	Cell 39	511	3.82 gpm @ 138 min
7	LLIO1-AC02	<input checked="" type="checkbox"/>	10/21/12	Cell 39	514	3.67 gpm @ 140 min
8	LLIO1-AC03	<input checked="" type="checkbox"/>	10/21/12	Cell 39	514	3.68 gpm @ 146 min
9	LLIO1-AC03	<input checked="" type="checkbox"/>	10/21/12	Cell 63 plus 5E corner of cell 62	526	3.74 gpm @ 140 min
10		<input type="checkbox"/>				



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AMEC NOVI, MI
Doug Saigh
46850 Magellan Drive Ste 190
Novi, Michigan 48377

Re: Quantem ID 213460

Quantem appreciates the opportunity to provide analytical testing services to you. Attached are your reports and other supporting documentation for the above referenced project.

Thank you for making Quantem your lab of choice. If you have any question concerning this or other reports please feel free to contact us at 800-822-1650.

We continually work to improve our service. Help us out by providing feed back on your experience at www.QuanTEM.com. Click on Service Survey and fill out the form. We look forward to hearing from you.

Respectfully,
Quantem Laboratories, LLC.





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Transmission Electron Microscopy Asbestos Analysis Report

QuantEM Sample ID: 213460-001

Date Received: October 5, 2012

Received By: Joanna Mueller

Analyzed By: L. Armstrong

Analytical Method: ISO 10312

Instrument/ Mag.: JEOL 100CXII / 18,150X

Filter Type: 0.45µm 25 mm MCE

Client: AMEC—Novi, MI

Account Number: B894

Client Sample ID: LLI01-45XX-AC04

Sample Volume: 493

Number of Grid Openings: 71

Area Analyzed: 0.781 mm²

Grid Archival: **2204** B6 B7 B8 B9 B10 C6

C7 C8 C9 C10 D6

D7 D8 D9 D10

Analysis Summary

Analytical Sensitivity:

0.001 s/cc

Detection Limit:

0.003 s/cc

Number of primary asbestos structures:

14

Number of asbestos structures counted:

14

Number of asbestos structures >5µm:

3

Number of asbestos fibers & bundles >5µm:

2

Number of PCM equivalent asbestos structures:

0

Number of PCM equivalent asbestos fibers:

0

Total Concentration

0.014 s/cc

A handwritten signature in black ink, appearing to read "Joanna Mueller", is written over a horizontal line. Below the line, the text "(Reviewed and Approved)" is printed.

October 9, 2012

(Date)



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Transmission Electron Microscopy Asbestos Analysis Report

QuantEM Sample ID: 213460-002
Date Received: October 5, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-66XX-AC04
Sample Volume: 493

Analyzed By: J. Mlekush

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45 μ m 25 mm MCE

Number of Grid Openings: 71
Area Analyzed: 0.781 mm²
Grid Archival: **2204** E6 E7 E8 E9 E10
2205 A1 A2 A3 A4 A5 B1
B2 B3 B4 B5

Analysis Summary

Analytical Sensitivity: 0.001 s/cc
Detection Limit: 0.003 s/cc

Number of primary asbestos structures: 0

Number of asbestos structures counted: 0

Number of asbestos structures >5 μ m: 0

Number of asbestos fibers & bundles >5 μ m: 0

Number of PCM equivalent asbestos structures: 0

Number of PCM equivalent asbestos fibers: 0

Total Concentration <0.003 s/cc

A handwritten signature in black ink, appearing to read "J. Mlekush", is written over a horizontal line. Below the line, the text "(Reviewed and Approved)" is printed.

(Reviewed and Approved)

October 9, 2012

(Date)



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Transmission Electron Microscopy Asbestos Analysis Report

QuantEM Sample ID: 213460-003
Date Received: October 5, 2012
Received By: Joanna Mueller

Client: AMEC—Novi, MI
Account Number: B894
Client Sample ID: LLI01-05XX-AC04
Sample Volume: 514

Analyzed By: J. Mlekush

Analytical Method: ISO 10312
Instrument/ Mag.: JEOL 100CXII / 18,150X
Filter Type: 0.45µm 25 mm MCE

Number of Grid Openings: 69
Area Analyzed: 0.759 mm²
Grid Archival: **2205** C1 C2 C3 C4 C5 D1
D2 D3 D4 D5 E1
E2 E3 E4

Analysis Summary

Analytical Sensitivity:	0.001 s/cc
Detection Limit:	0.003 s/cc
Number of primary asbestos structures:	0
Number of asbestos structures counted:	0
Number of asbestos structures >5µm:	0
Number of asbestos fibers & bundles >5µm:	0
Number of PCM equivalent asbestos structures:	0
Number of PCM equivalent asbestos fibers:	0

Total Concentration

<0.003 s/cc

A handwritten signature in black ink, appearing to read "J. Mlekush", is written over a horizontal line. Below the line, the text "(Reviewed and Approved)" is printed.

(Reviewed and Approved)

October 9, 2012

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Lab No.	213460
<input checked="" type="radio"/> Accept <input type="radio"/> Reject	
Report Results <input checked="" type="checkbox"/> one box	
<input type="checkbox"/> QuanTEM Website	
<input checked="" type="checkbox"/> Other email	

Contact Information		Project Information	
Company: AMEC Environment & Infrastructure	Phone: (248) 313-3691	Project Name: Lake Linden C&H Power Plant Site	
Contact: Douglas Saigh	Cell Phone: (586) 382-0805	Project Location: Torch Lake Twp., Michigan	
Account #:	E-mail: doug.saigh@amec.com	Project ID: 3293-11-1440 Task 2300	

Sampled By: <i>Kurt L. Cunningham</i>	Date: 10/3/12
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RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>[Signature]</i>	10/4/12 10:15	FedEx	<i>[Signature]</i>	10/5/12 10:00

REQUESTED SERVICES (Please ☒ the Appropriate Boxes)

PLM		PLM		TEM		TEM		TURNAROUND TIME	
<input type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/> Air- AHERA	<input type="checkbox"/> Bulk- Presence / Absence EPA600/R-93/116	<input type="checkbox"/> Rush	<input type="checkbox"/> 400 Point Count	<input type="checkbox"/> Air- NIOSH 7402	<input type="checkbox"/> Bulk- Quantitative [weight%]- Chatfield	<input type="checkbox"/> Same Day	<input type="checkbox"/> 24 - Hour
<input type="checkbox"/> 1000 Point Count	<input type="checkbox"/> Other	<input checked="" type="checkbox"/> Air- ISO 10312	<input type="checkbox"/> Dust- Presence / Absence	<input type="checkbox"/> 3 - Day	<input type="checkbox"/> Gravimetric Preparation	<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Dust- Quantitative [fibers/sq.cm]- ASTM D5755	<input type="checkbox"/> 5 - Day	<input type="checkbox"/> 5 - Day
<input type="checkbox"/> Particle ID	<input type="checkbox"/> NIOSH 7400	<input type="checkbox"/> Waste Water- EPA 600/4-83-043	Other						

No.	Sample ID (10 Characters Max)	To Be Analyzed	Description	Volume / Area (as applicable)	Comments / Notes
1	45XX-AC04	<input checked="" type="checkbox"/>	Resample Cell 45	493	3.47 gpm @ 142 m.l.
2	46XX-AC04	<input checked="" type="checkbox"/>	Resample Cell 66	493	3.65 gpm @ 135 m.l.
3	47XX-AC04	<input checked="" type="checkbox"/>	Resample Cell 05	514	3.84 gpm @ 133 m.l.
4		<input type="checkbox"/>			
5		<input type="checkbox"/>			
6		<input type="checkbox"/>			
7		<input type="checkbox"/>			
8		<input type="checkbox"/>			
9		<input type="checkbox"/>			
10		<input type="checkbox"/>			



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AMEC NOVI, MI
Doug Saigh
46850 Magellan Drive Ste 190
Novi, Michigan 48377

Re: Quantem ID 222391

Quantem appreciates the opportunity to provide analytical testing services to you. Attached are your reports and other supporting documentation for the above referenced project.

Thank you for making Quantem your lab of choice. If you have any question concerning this or other reports please feel free to contact us at 800-822-1650.

We continually work to improve our service. Help us out by providing feed back on your experience at www.QuanTEM.com. Click on Service Survey and fill out the form. We look forward to hearing from you.

Respectfully,
Quantem Laboratories, LLC.





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Report Results (✓ one box)	
<input type="checkbox"/> QuanTEM Website	<input checked="" type="checkbox"/> Other email

Project Information	
Project Name: <u>Lake Linden C&H Power Plant Site</u>	Project ID: <u>3293-11-1440 Task 2300</u>
Project Location: <u>Torch Lake Twp., Michigan</u>	

Sampled By: <u>Kurt Cunningham</u>	Date: <u>6/4/13</u>
------------------------------------	---------------------

RELINQUISHED BY: <u>[Signature]</u>	DATE & TIME: <u>6/5/13 1300</u>	VIA: <u>Fed Ex</u>	RECEIVED BY: <u>[Signature]</u>	DATE & TIME: <u>6/6/13 9:45</u>
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REQUESTED SERVICES (Please ✓ the Appropriate Boxes)

	PLM	PLM	TEM	TEM	TURNAROUND TIME
<input type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/> Air- AHERA	<input type="checkbox"/> Bulk- Presence / Absence EPA600/R-93/116	<input type="checkbox"/> Rush	
<input type="checkbox"/> 400 Point Count	<input type="checkbox"/> Other	<input checked="" type="checkbox"/> Air- NIOSH 7402	<input type="checkbox"/> Bulk- Quantitative [weight%]- Chatfield	<input type="checkbox"/> Same Day	
<input type="checkbox"/> 1000 Point Count		<input type="checkbox"/> Air- ISO 10312	<input type="checkbox"/> Dust- Presence / Absence	<input type="checkbox"/> 24 - Hour	
<input type="checkbox"/> Gravimetric Preparation		<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Dust- Quantitative [fibers/sq.cm]- ASTM D5755	<input type="checkbox"/> 3 - Day	
<input type="checkbox"/> Particle ID	<input type="checkbox"/> NIOSH 7400	<input type="checkbox"/> Waste Water- EPA 600/4-83-043	<input type="checkbox"/> Other	<input checked="" type="checkbox"/> 5 - Day	

No.	Sample ID (10 Characters Max)	To Be Analyzed	Description	Volume / Area (as applicable)	Comments / Notes
1	LI01-4301-AMXX-AC01	<input checked="" type="checkbox"/>	ABS cell 43 #1	533L	Get 43 #1 4.0/line 133min
2	LI01-2601-ASXX-AC02	<input checked="" type="checkbox"/>	ABS cell 26 #1	523L	3.94/line 135min
3	LI01-2602-SLXX-AC03	<input checked="" type="checkbox"/>	ABS cell 26 #2	515	3.79/line 136min
4	LI01-2603-TEXX-AC04	<input checked="" type="checkbox"/>	ABS cell 26 #3	543	3.96/line 137min
5	LI01-3201-AMXX-AC05	<input checked="" type="checkbox"/>	ABS cell 32 #1	554	2.10/line 264min
6	LI01-3202-TEXX-AC06	<input checked="" type="checkbox"/>	ABS cell 32 #2	555	2.09/line 265min
7	LI01-3203-ASXX-AC07	<input checked="" type="checkbox"/>	ABS cell 32 #3	521	1.98/line 264min
8	LI01-4302-SLXX-AC08	<input checked="" type="checkbox"/>	ABS cell 43 #2	516	1.91/line 270min
9		<input type="checkbox"/>			
10		<input type="checkbox"/>			



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Lab No. 222391
☒ Accept ☐ Reject

Report Results (check one box)
☐ QuanTEM Website
☒ Other email _____

Contact Information		Project Information	
Company:	AMEC Environment & Infrastructure	Phone:	(248) 313-3685
Contact:	Kurt Cunningham	Cell Phone:	(517) 404-3582
Account #:	<i>kuqwell</i>	E-mail:	kurt.cunningham@amec.com
Project Name:		Lake Linden C&H Power Plant Site	
Project Location:		Torch Lake Twp., Michigan	
Project ID:		3293-11-1440 Task 2300	

Sampled By: *Kurt L. Cunningham* Date: 6/4/13

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>[Signature]</i>	<u>6/5/13 1300</u>	<u>FedEx</u>		

REQUESTED SERVICES (Please check the appropriate boxes)

PLM	PLM	TEM	TEM	TURNAROUND TIME
<input type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/> Air- AHERA	<input type="checkbox"/> Bulk- Presence / Absence EPA600/R-93/116	<input type="checkbox"/> Rush
<input type="checkbox"/> 400 Point Count	<input type="checkbox"/> Other	<input checked="" type="checkbox"/> Air- NIOSH 7402	<input type="checkbox"/> Bulk- Quantitative [weight%]- Chatfield	<input type="checkbox"/> Same Day
<input type="checkbox"/> 1000 Point Count		<input type="checkbox"/> Air- ISO 10312	<input type="checkbox"/> Dust- Presence / Absence	<input type="checkbox"/> 24 - Hour
<input type="checkbox"/> Gravimetric Preparation	<input type="checkbox"/> PCM	<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Dust- Quantitative (fibers/sq.cm)- ASTM D5755	<input type="checkbox"/> 3 - Day
<input type="checkbox"/> Particle ID	<input type="checkbox"/> NIOSH 7400	<input type="checkbox"/> Waste Water- EPA 600/4-83-043	<input type="checkbox"/> Other	<input checked="" type="checkbox"/> 5 - Day

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	LLI01-01XX-AB01	<input checked="" type="checkbox"/>		Loc. #1 1.99 gpm @ 463 min	920L	These perimeters samples
2	LLI01-02XX-AB04	<input checked="" type="checkbox"/>		Loc. #2 2.00 gpm @ 463 min	928	were collected using
3	LLI01-03XX-AB03	<input checked="" type="checkbox"/>		Loc. #3 2.01 gpm @ 463 min	937	PCM cassettes - Please
4	LLI01-04XX-AB04	<input checked="" type="checkbox"/>		Loc. #4 1.97 gpm @ 464 min	915	analyze using TEM
5	LLI01-05XX-AB05	<input checked="" type="checkbox"/>		Loc. #5 1.99 gpm @ 464 min	921	
6	LLI01-06XX-AB06	<input checked="" type="checkbox"/>		Loc. #6 2.04 gpm @ 463 min	944	
7		<input checked="" type="checkbox"/>				
8		<input type="checkbox"/>				
9		<input type="checkbox"/>				
10		<input type="checkbox"/>				



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AMEC NOVI, MI
Doug Saigh
46850 Magellan Drive Ste 190
Novi, Michigan 48377

Re: Quantem ID 222676

Quantem appreciates the opportunity to provide analytical testing services to you. Attached are your reports and other supporting documentation for the above referenced project.

Thank you for making Quantem your lab of choice. If you have any question concerning this or other reports please feel free to contact us at 800-822-1650.

We continually work to improve our service. Help us out by providing feed back on your experience at www.QuanTEM.com. Click on Service Survey and fill out the form. We look forward to hearing from you.

Respectfully,
Quantem Laboratories, LLC.



Transmission Electron Microscopy Analysis Report



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Lab No.	222676
Accept	Reject

Report Results (one box)	
<input type="checkbox"/> Quantem Website	
<input checked="" type="checkbox"/> Other email	

Contact Information		Project Information	
Company:	AMEC Environment & Infrastructure	Project Name:	Lake Linden C&H Power Plant Site
Contact:	Kurt Cunningham	Project Location:	Torch Lake Twp., Michigan
Account #:		Project ID:	3293-11-1440 Task 2300

Sampled By:	Name: Kurt Cunningham	Date:	6/17/13
-------------	-----------------------	-------	---------

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
	6/18/13/0800	FedEx		6/11/13 10:00

REQUESTED SERVICES (Please check the appropriate boxes)

PLM		PLM	TEM		TEM	TURNAROUND TIME	
<input type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)		<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/> Air-AHERA	<input type="checkbox"/> Bulk- Presence / Absence EPA600/R-93/116	<input type="checkbox"/> Rush		
<input type="checkbox"/> 400 Point Count		<input type="checkbox"/> Other	<input checked="" type="checkbox"/> Air- NIOSH 7402	<input type="checkbox"/> Bulk- Quantitative [weight%]- Chatfield	<input type="checkbox"/> Same Day		
<input type="checkbox"/> 1000 Point Count			<input type="checkbox"/> Air- ISO 10312	<input type="checkbox"/> Dust- Presence / Absence	<input type="checkbox"/> 24 - Hour		
<input type="checkbox"/> Gravimetric Preparation		<input type="checkbox"/> PCM	<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Dust- Quantitative [fibers/sq.cm]- ASTM D5755	<input type="checkbox"/> 3 - Day		
<input type="checkbox"/> Particle ID		<input type="checkbox"/> NIOSH 7400	<input type="checkbox"/> Waste Water- EPA 600/4-83-043	<input type="checkbox"/> Other	<input checked="" type="checkbox"/> 5 - Day		

No.	Sample ID (10 Characters Max)	To Be Analyzed	Description	Volume / Area (as applicable)	Comments / Notes
1	22201-01XX-AB01	<input checked="" type="checkbox"/>	1.272gpc 391min	497L	
2	22201-01XX-AB02	<input checked="" type="checkbox"/>	1.702gpc 391min	665L	
3	22201-03XX-AB03	<input checked="" type="checkbox"/>	2.084gpc 390min	810L	
4	22201-05XX-AB04	<input checked="" type="checkbox"/>	2.094gpc 388min	812L	
5	22201-26XX-AB05	<input checked="" type="checkbox"/>	2.184gpc 389min	849L	
6	22201-06XX-AB06	<input checked="" type="checkbox"/>	2.044gpc 389min	795L	
7	22201-4403-75XX-AC01	<input checked="" type="checkbox"/>	4.134gpc 122min	504L	
8	22201-4403-75XX-AC02	<input checked="" type="checkbox"/>	4.084gpc 122min	497L	
9	22201-4403-75XX-AC03	<input checked="" type="checkbox"/>	4.054gpc 123min	498L	
10	22201-4403-75XX-AC04	<input checked="" type="checkbox"/>	4.024gpc 120min	483L	



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Lab No. 222616

Accept ☐ Reject ☐

Report Results (one box)

☐ Quantem Website

☒ Other email

Project Information

Project Name: Lake Linden C&H Power Plant Site

Project Location: Torch Lake Twp., Michigan

Project ID: 3293-11-1440 Task 2300

Contact Information

Company: AMEC Environment & Infrastructure

Phone: (248) 313-3685

Cell Phone: (517) 404-3582

E-mail: kurt.cunningham@amec.com

Sampled By: Kurt Cunningham

Name: Kurt Cunningham

Date: 6/13/13

DATE & TIME

RECEIVED BY

DATE & TIME

6/13/13 0800

FedEx

6/11/13 1000

REQUESTED SERVICES (Please check the appropriate boxes)

PLM	PLM	PLM	TEM	TEM	TEM	TURNAROUND TIME
<input type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/> Air- AHERA	<input type="checkbox"/> Bulk- Presence / Absence EPA600/R-93/116	<input type="checkbox"/> Bulk- Quantitative [weight%]- Chatfield	<input type="checkbox"/> Rush	<input type="checkbox"/> Rush
<input type="checkbox"/> 400 Point Count	<input type="checkbox"/> Other	<input checked="" type="checkbox"/> Air- NIOSH 7402	<input type="checkbox"/> Bulk- Quantitative [weight%]- Chatfield	<input type="checkbox"/> Dust- Presence / Absence	<input type="checkbox"/> Same Day	<input type="checkbox"/> Same Day
<input type="checkbox"/> 1000 Point Count	<input type="checkbox"/> PCM	<input type="checkbox"/> Air- ISO 10312	<input type="checkbox"/> Dust- Presence / Absence	<input type="checkbox"/> Dust- Quantitative [fibers/sq.cm]- ASTM D5755	<input type="checkbox"/> 24 - Hour	<input type="checkbox"/> 24 - Hour
<input type="checkbox"/> Gravimetric Preparation	<input type="checkbox"/> NIOSH 7400	<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Dust- Quantitative [fibers/sq.cm]- ASTM D5755	<input type="checkbox"/> Other	<input type="checkbox"/> 3 - Day	<input type="checkbox"/> 3 - Day
<input type="checkbox"/> Particle ID		<input type="checkbox"/> Waste Water- EPA 600/4-83-043			<input checked="" type="checkbox"/> 5 - Day	<input checked="" type="checkbox"/> 5 - Day

No.	Sample ID (10 Characters Max)	To Be Analyzed	Description	Volume / Area (as applicable)	Comments / Notes
11	LL101-0901- TXX-AC05	<input checked="" type="checkbox"/>	2.99 gpm @ 174 min	520L	
12	LL101-0902- TXX-AC06	<input checked="" type="checkbox"/>	3.99 gpm @ 188 min	504L	
13	LL101-0903- AMXX-AC07	<input checked="" type="checkbox"/>	4.00 gpm @ 142 min	568L	
14	LL101-0901- SLXX-AC08	<input checked="" type="checkbox"/>	3.11 gpm @ 175	544L	
5		<input type="checkbox"/>			
6		<input type="checkbox"/>			
7		<input checked="" type="checkbox"/>			
8		<input type="checkbox"/>			
9		<input type="checkbox"/>			
10		<input type="checkbox"/>			



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AMEC NOVI, MI
Doug Saigh
46850 Magellan Drive Ste 190
Novi, Michigan 48377

Re: QuantEM ID 222669

QuantEM appreciates the opportunity to provide analytical testing services to you. Attached are your reports and other supporting documentation for the above referenced project.

Thank you for making QuantEM your lab of choice. If you have any question concerning this or other reports please feel free to contact us at 800-822-1650.

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Respectfully,
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Contact Information		Project Information	
Company:	AMEC Environment & Infrastructure	Phone:	(248) 313-3685
Contact:	Kurt Cunningham	Cell Phone:	(517) 404-3582
Account #:		E-mail:	kurt.cunningham@amec.com
Sampled By:	Name: <u>Kurt Cunningham</u>	Date:	<u>6/8/13</u>

RELINQUISHED BY		RECEIVED BY	
<u>[Signature]</u>	DATE & TIME <u>6/19/13 10:30</u>	<u>[Signature]</u>	DATE & TIME <u>6/11/13 10:00</u>

REQUESTED SERVICES (Please check the appropriate boxes)					
PLM	PLM	TEM		TEM	TURNAROUND TIME
		<input type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> Air- AHERA		
<input type="checkbox"/> 400 Point Count	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input checked="" type="checkbox"/>	<input type="checkbox"/> Air- NIOSH 7402	<input type="checkbox"/> Bulk- Quantitative [weight%]- Chatfield	<input type="checkbox"/> Same Day
<input type="checkbox"/> 1000 Point Count	<input type="checkbox"/> Other	<input type="checkbox"/>	<input type="checkbox"/> Air- ISO 10312	<input type="checkbox"/> Dust- Presence / Absence	<input type="checkbox"/> 24 - Hour
<input type="checkbox"/> Gravimetric Preparation	<input type="checkbox"/> PCM	<input type="checkbox"/>	<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Dust- Quantitative [fibers/sq.cm]- ASTM D5755	<input type="checkbox"/> 3 - Day
<input type="checkbox"/> Particle ID	<input type="checkbox"/> NIOSH 7400	<input type="checkbox"/>	<input type="checkbox"/> Waste Water- EPA 600/4-83-043	<input type="checkbox"/> Other	<input type="checkbox"/> 5 - Day

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	2101-	<input checked="" type="checkbox"/>		1.88 Lpm @ 670 min	1257 L	
2	01XX-AB01	<input checked="" type="checkbox"/>		1.14 Lpm @ 487 min	556 L	
3	2101-	<input checked="" type="checkbox"/>		1.96 Lpm @ 535 min	1048 L	
4	02XX-AB03	<input checked="" type="checkbox"/>		1.96 Lpm @ 670 min	1315 L	
5	2101-	<input checked="" type="checkbox"/>		1.99 Lpm @ 656 min	1308 L	
6	06XX-AB05	<input checked="" type="checkbox"/>		1.97 Lpm @ 670 min	1319 L	
7	06XX-AB06	<input checked="" type="checkbox"/>		4.29 Lpm @ 130 min	557	
8	2101-1101-	<input checked="" type="checkbox"/>		3.95 Lpm @ 129 min	509	
9	AMXX-AC02	<input checked="" type="checkbox"/>		3.94 Lpm @ 132 min	520	
10	2101-1103-	<input checked="" type="checkbox"/>		4.00 Lpm @ 131 min	525	



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Contact Information		Project Information	
Company: AMEC Environment & Infrastructure	Phone: (248) 313-3685	Project Name: Lake Linden C&H Power Plant Site	Report Results (one box)
Contact: Kurt Cunningham	Cell Phone: (517) 404-3582	Project Location: Torch Lake Twp., Michigan	<input type="checkbox"/> QuanTEM Website
Account #:	E-mail: kurt.cunningham@amec.com	Project ID: 3293-11-1440 Task 2300	<input checked="" type="checkbox"/> Other email

Sampled By: <i>Kurt Cunningham</i>	Name: <i>Kurt Cunningham</i>	Date: <i>6/8/13</i>
RELINQUISHED BY: <i>[Signature]</i>	DATE & TIME: <i>6/19/13/2130</i>	VIA: <i>FedEx</i>
	RECEIVED BY:	DATE & TIME:

REQUESTED SERVICES (Please check the appropriate boxes)									
No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes			
							PLM	PLM	TEM
<input type="checkbox"/>	Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/>	Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/>	Air- AHERA	<input type="checkbox"/>	Bulk- Presence / Absence EPA600/R-93/116	<input type="checkbox"/>	Rush
<input type="checkbox"/>	400 Point Count	<input type="checkbox"/>	Other	<input checked="" type="checkbox"/>	Air- NIOSH 7402	<input type="checkbox"/>	Bulk- Quantitative [weight%]- Chatfield	<input type="checkbox"/>	Same Day
<input type="checkbox"/>	1000 Point Count	<input type="checkbox"/>	PCM	<input type="checkbox"/>	Air- ISO 10312	<input type="checkbox"/>	Dust- Presence / Absence	<input type="checkbox"/>	24 - Hour
<input type="checkbox"/>	Gravimetric Preparation	<input type="checkbox"/>	NIOSH 7400	<input type="checkbox"/>	Drinking Water- EPA 100.2	<input type="checkbox"/>	Dust- Quantitative [fibers/sq.cm]- ASTM D5755	<input type="checkbox"/>	3 - Day
<input type="checkbox"/>	Particle ID	<input type="checkbox"/>		<input type="checkbox"/>	Waste Water- EPA 600/4-83-043	<input type="checkbox"/>	Other	<input type="checkbox"/>	5 - Day

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	LI101-1702- SLXX-AC05	<input checked="" type="checkbox"/>		2.13 lpm c 258 min	55 l	
12	LI101-1703- TGXX-AC06	<input checked="" type="checkbox"/>		2.47 lpm c 257 min	635 l	
13	LI101-0302- AMXX-AC07	<input checked="" type="checkbox"/>		2.22 lpm c 256 min	569 l	
14	LI101-0303- ASXX-AC08	<input checked="" type="checkbox"/>		2.02 lpm c 256 min	516 l	
15	LI101-0201- TGXX-AC09	<input checked="" type="checkbox"/>		4.17 lpm c 125 min	521 l	
16	LI101-0202- ASXX-AC10	<input checked="" type="checkbox"/>		4.18 lpm c 121 min	506 l	
17	LI101-0401- SLXX-AC11	<input checked="" type="checkbox"/>		4.15 lpm c 121 min	503 l	
18	LI101-0402- AMXX-AC12	<input checked="" type="checkbox"/>		4.19 lpm c 122 min	510 l	
9		<input type="checkbox"/>				
10		<input type="checkbox"/>				



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AMEC NOVI, MI
Doug Saigh
46850 Magellan Drive Ste 190
Novi, Michigan 48377

Re: Quantem ID 222666

Quantem appreciates the opportunity to provide analytical testing services to you. Attached are your reports and other supporting documentation for the above referenced project.

Thank you for making Quantem your lab of choice. If you have any question concerning this or other reports please feel free to contact us at 800-822-1650.

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Lab No. 222666	Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>

Report Results (✓ one box)	
<input type="checkbox"/> QuanTEM Website	<input checked="" type="checkbox"/> Other email

Contact Information		Project Information	
Company: AMEC Environment & Infrastructure	Phone: (248) 313-3685	Project Name: Lake Linden C&H Power Plant Site	
Contact: Kurt Cunningham	Cell Phone: (517) 404-3582	Project Location: Torch Lake Twp., Michigan	
Account #:	E-mail: kurt.cunningham@amec.com	Project ID: 3293-11-1440 Task 2300	

Sampled By: <u>Kurt Cunningham</u>	Date: 6/19/13
------------------------------------	---------------

RELINQUISHED BY: <u>[Signature]</u>	DATE & TIME: 6/19/13 12:30	VIA: FedEx	RECEIVED BY: <u>[Signature]</u>	DATE & TIME: 6/11/13 10:00
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REQUESTED SERVICES (Please check the appropriate boxes)

	PLM		PLM		TEM		TEM		TURNAROUND TIME				
	Bulk Analysis (EPA 600/R-93/116)	400 Point Count	Vermiculite Attic Insulation (EPA 600/R-04/004)	Other	Air- AHRA	Air- NIOSH 7402	Air- ISO 10312	Bulk- Presence / Absence EPA600/R-93/116		Bulk- Quantitative [weight%]- Chatfield	Dust- Presence / Absence	Dust- Quantitative [fibers/sq.cm]- ASTM D5755	Other
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	LLI01-01XX-AB01	<input checked="" type="checkbox"/>		4.00 Lpm @ 130 min	519 l	
2	LLI01-02XX-AB02	<input checked="" type="checkbox"/>		4.02 Lpm @ 125 min	503 l	
3	LLI01-03XX-AB03	<input checked="" type="checkbox"/>		4.00 Lpm @ 129 min	516 l	
4	LLI01-05XX-AB04	<input checked="" type="checkbox"/>		4.02 Lpm @ 129 min	519 l	
5	LLI01-26XX-AB05	<input checked="" type="checkbox"/>		0.48 Lpm @ 481 min	471 l	
6	LLI01-06XX-AB06	<input checked="" type="checkbox"/>		1.65 Lpm @ 482 min	797 l	
7	LLI01-0203-AMXX-AC01	<input checked="" type="checkbox"/>		1.84 Lpm @ 482 min	886 l	
8	LLI01-5403-TGXX-AC02	<input checked="" type="checkbox"/>		1.62 Lpm @ 483 min	784 l	
9	LLI01-3001-ASXX-AC03	<input checked="" type="checkbox"/>		1.84 Lpm @ 483 min	888 l	
10	LLI01-3002-SLXX-AC04	<input checked="" type="checkbox"/>		1.85 Lpm @ 484 min	896 l	



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Lab No. 222666

Accept ☒ Reject ☐

Report Results (☒ one box)

☐ QuanTEM Website

☒ Other email

Contact Information		Project Information	
Company:	AMEC Environment & Infrastructure	Project Name:	Lake Linden C&H Power Plant Site
Contact:	Kurt Cunningham	Project Location:	Torch Lake Twp., Michigan
Account #:		Project ID:	3293-11-1440 Task 2300

Sampled By: Kurt Cunningham Date: 6/9/13

RECEIVED BY	DATE & TIME	DATE & TIME	DATE & TIME
<u>[Signature]</u>	<u>6/9/13 2:30</u>	<u>[Signature]</u>	<u>6/11/13 10:00</u>

REQUESTED SERVICES (Please ☒ the Appropriate Boxes)

PLM	PLM	TEM	TEM	TURNAROUND TIME
<input type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/> Air- AHERA	<input type="checkbox"/> Bulk- Presence / Absence EPA600/R-93/116	<input type="checkbox"/> Rush
<input type="checkbox"/> 400 Point Count	<input type="checkbox"/> Other	<input checked="" type="checkbox"/> Air- NIOSH 7402	<input type="checkbox"/> Bulk- Quantitative [weight%]- Chatfield	<input type="checkbox"/> Same Day
<input type="checkbox"/> 1000 Point Count		<input type="checkbox"/> Air- ISO 10312	<input type="checkbox"/> Dust- Presence / Absence	<input type="checkbox"/> 24 - Hour
<input type="checkbox"/> Gravimetric Preparation	<input type="checkbox"/> PCM	<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Dust- Quantitative [fibers/sq.cm]- ASTM D5755	<input type="checkbox"/> 3 - Day
<input type="checkbox"/> Particle ID	<input type="checkbox"/> NIOSH 7400	<input type="checkbox"/> Waste Water- EPA 600/4-83-043	<input type="checkbox"/> Other	<input type="checkbox"/> 5 - Day

No.	Sample ID (10 Characters Max)	To Be Analyzed	Description	Volume / Area (as applicable)	Comments / Notes
11	22201-3003- T5XX-AC05	<input checked="" type="checkbox"/>	2.03 Lpm @ 262 min	533 L	
12	22201-4701- AMXX-AC04	<input checked="" type="checkbox"/>	2.04 Lpm @ 261 min	532	
13	22201-4702- B6XX-AC07	<input checked="" type="checkbox"/>	2.04 Lpm @ 261 min	533	
14	22201-4703- ASXX-AC08	<input checked="" type="checkbox"/>	2.02 Lpm @ 260 min	525	
5		<input type="checkbox"/>			
6		<input type="checkbox"/>			
7		<input checked="" type="checkbox"/>			
8		<input type="checkbox"/>			
9		<input type="checkbox"/>			
10		<input type="checkbox"/>			



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AMEC NOVI, MI
Doug Saigh
46850 Magellan Drive Ste 190
Novi, Michigan 48377

Re: QuanTEM ID 222805

QuanTEM appreciates the opportunity to provide analytical testing services to you. Attached are your reports and other supporting documentation for the above referenced project.

Thank you for making QuanTEM your lab of choice. If you have any question concerning this or other reports please feel free to contact us at 800-822-1650.

We continually work to improve our service. Help us out by providing feed back on your experience at www.QuanTEM.com. Click on Service Survey and fill out the form. We look forward to hearing from you.

Respectfully,
QuanTEM Laboratories, LLC.





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Contact Information		Project Information	
Company: AMEC Environment & Infrastructure	Phone: (248) 313-3685	Project Name: Lake Linden C&H Power Plant Site	
Contact: Kurt Cunningham	Cell Phone: (517) 404-3582	Project Location: Torch Lake Twp., Michigan	
Account #:	E-mail: kurt.cunningham@amec.com	Project ID: 3293-11-1440 Task 2300	

Sampled By: <u>Kurt Cunningham</u>	Name: <u>Kurt Cunningham</u>	Date: <u>6/11/13</u>
RELINQUISHED BY: <u>[Signature]</u>	DATE & TIME: <u>9/11/13 2143</u>	VIA: <u>FedEx</u>
	RECEIVED BY: <u>[Signature]</u>	DATE & TIME: <u>6/13/13 9:00</u>

REQUESTED SERVICES (Please check the appropriate boxes)			
<input type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/> Air- AHERA	<input type="checkbox"/> Bulk- Presence / Absence EPA600/R-93/116
<input type="checkbox"/> 400 Point Count	<input type="checkbox"/> Other	<input checked="" type="checkbox"/> Air- NIOSH 7402	<input type="checkbox"/> Bulk- Quantitative [weight%]- Chatfield
<input type="checkbox"/> 1000 Point Count		<input type="checkbox"/> Air- ISO 10312	<input type="checkbox"/> Dust- Presence / Absence
<input type="checkbox"/> Gravimetric Preparation	<input type="checkbox"/> PCM	<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Dust- Quantitative [fibers/sq.cm]- ASTM D5755
<input type="checkbox"/> Particle ID	<input type="checkbox"/> NIOSH 7400	<input type="checkbox"/> Waste Water- EPA 600/4-83-043	<input type="checkbox"/> Other

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	LI01-01XX-AB01	<input checked="" type="checkbox"/>		2.04 gpm @ 680 mm	1385	
2	LI01-04XX-AB02	<input checked="" type="checkbox"/>		2.14 gpm @ 680 mm	1455	
3	LI01-03XX-AB03	<input checked="" type="checkbox"/>		1.73 gpm @ 680 mm	1165	
4	LI01-05XX-AB04	<input checked="" type="checkbox"/>		1.66 gpm @ 680 mm	1129	
5	LI01-26XX-AB05	<input checked="" type="checkbox"/>		1.19 gpm @ 680 mm	809	
6	LI01-06XX-AB06	<input checked="" type="checkbox"/>		2.02 gpm @ 680 mm	1375	
7	LI01-7201-76XX-AC01	<input checked="" type="checkbox"/>		4.27 gpm @ 123 mm	5251	
8	LI01-7002-76XX-AC02	<input checked="" type="checkbox"/>		4.04 gpm @ 123 mm	4978	
9	LI01-7101-76XX-AC03	<input checked="" type="checkbox"/>		4.03 gpm @ 122 mm	4911	
10	LI01-7102-76XX-AC04	<input checked="" type="checkbox"/>		4.23 gpm @ 122 mm	5162	

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Lab No. <u>222805</u>	Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>

Report Results (check one box)	
<input type="checkbox"/> QuanTEM Website	
<input checked="" type="checkbox"/> Other email	



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Contact Information		Project Information	
Company:	AMEC Environment & Infrastructure	Project Name:	Lake Linden C&H Power Plant Site
Contact:	Kurt Cunningham	Project Location:	Torch Lake Twp., Michigan
Account #:		Project ID:	3293-11-1440 Task 2300
Sampled By:	Name: <u>Kurt L. Cunningham</u>	Date:	<u>6/11/13</u>

For Lab Use Only	
Lab No. <u>222800</u>	Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>

Report Results (one box)	
<input type="checkbox"/> QuanTEM Website	<input checked="" type="checkbox"/> Other email

RELINQUISHED BY <u>[Signature]</u>	DATE & TIME <u>6/11/13 2:14 PM</u>	VIA <u>Fed Ex</u>	RECEIVED BY	DATE & TIME
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REQUESTED SERVICES (Please check the appropriate boxes)					
<input type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/> Air- AHRA	<input type="checkbox"/> Bulk- Presence / Absence EPA600/R-93/116	<input type="checkbox"/> Rush	TURNAROUND TIME
<input type="checkbox"/> 400 Point Count	<input type="checkbox"/> Other	<input checked="" type="checkbox"/> Air- NIOSH 7402	<input type="checkbox"/> Bulk- Quantitative [weight%]- Chatfield	<input type="checkbox"/> Same Day	
<input type="checkbox"/> 1000 Point Count		<input type="checkbox"/> Air- ISO 10312	<input type="checkbox"/> Dust- Presence / Absence	<input type="checkbox"/> 24 - Hour	
<input type="checkbox"/> Gravimetric Preparation	<input type="checkbox"/> PCM	<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Dust- Quantitative [fibers/sq.cm]- ASTM D5755	<input type="checkbox"/> 3 - Day	
<input type="checkbox"/> Particle ID	<input type="checkbox"/> NIOSH 7400	<input type="checkbox"/> Waste Water- EPA 600/4-83-043	<input type="checkbox"/> Other	<input checked="" type="checkbox"/> 5 - Day	

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	LLIO1-7003-	<input checked="" type="checkbox"/>		2.05 gpm @ 25/min	514L	
12	AMXX-AC05	<input checked="" type="checkbox"/>		2.05 gpm @ 25/min	514L	
13	LLIO1-7103-	<input checked="" type="checkbox"/>		2.14 gpm @ 25/min	538L	
14	LLIO1-7206-	<input checked="" type="checkbox"/>		2.02 gpm @ 25/min	510L	
15	AMXX-AC09	<input checked="" type="checkbox"/>		4.16 gpm @ 124 min	524L	
16	LLIO1-7401-	<input checked="" type="checkbox"/>		4.03 gpm @ 128 min	516L	
17	AMXX-AC10	<input checked="" type="checkbox"/>		4.07 gpm @ 127 min	517L	
18	LLIO1-7603-	<input checked="" type="checkbox"/>		4.04 gpm @ 129 min	505L	
9		<input type="checkbox"/>				
10		<input type="checkbox"/>				



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AMEC NOVI, MI
Doug Saigh
46850 Magellan Drive Ste 190
Novi, Michigan 48377

Re: QuantEM ID 222923

QuantEM appreciates the opportunity to provide analytical testing services to you. Attached are your reports and other supporting documentation for the above referenced project.

Thank you for making QuantEM your lab of choice. If you have any question concerning this or other reports please feel free to contact us at 800-822-1650.

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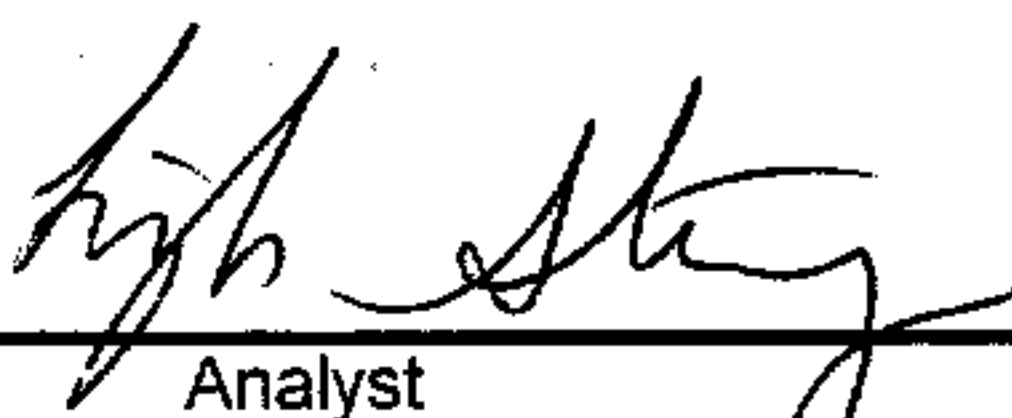
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Transmission Electron Microscopy Analysis Report

Quantem Lab No.: 222923
Date Received: June 17, 2013
Received By: Joanna Mueller
Date Analyzed: June 23, 2013
Analyzed By: Leigh Armstrong
Methodology: NIOSH 7402, Issue 2, 1994

Client: AMEC NOVI
Acct. No: B894
Project: Lake Linden C&H Power Plant Site
Project Location: Torch Lake Twp., Michigan
Project Number: 3293-13-1510 Task 2100

Quantem Sample ID	Client ID	Volume (Liters)	PCM Concentration (f/cc)	Asbestos Fraction	Asbestos Concentration (f/cc)
001	LLI01-BLXX-AB01	901	< 0.0030	0.000	< 0.0030
002	LLI01-01XX-AB02	1297	0.0045	0.000	< 0.0021
003	LLI01-MUXX-AB03	1307	< 0.0021	0.000	< 0.0021
004	LLI01-09XX-AB04	1160	< 0.0023	0.000	< 0.0023
005	LLI01-05XX-AB05	1107	< 0.0024	0.000	< 0.0024
006	LLI01-06XX-AB06	1232	0.0024	0.000	< 0.0022
007	LLI01-4801-AMXX-AC01	545	0.1583	0.000	< 0.0049
008	LLI01-4802-SLXX-AC02	564	0.1757	0.000	< 0.0048
009	LLI01-4901-TGXX-AC03	529	Occluded	N/A	N/A
010	LLI01-4902-ASXX-AC04	514	Occluded	N/A	N/A
011	LLI01-4803-TGXX-AC05	520	0.2429	0.000	< 0.0052
012	LLI01-4903-AMXX-AC06	514	0.0649	0.000	< 0.0052
013	LLI01-5701-ASXX-AC07	524	0.0225	0.000	< 0.0051
014	LLI01-5801-SLXX-AC08	544	0.0252	0.000	< 0.0050
015	LLI01-5702-TGXX-AC09	534	0.0551	0.000	< 0.0051
016	LLI01-5703-SLXX-AC10	502	0.0332	0.000	< 0.0054
017	LLI01-5802-ASXX-AC11	526	0.0280	0.000	< 0.0051
018	LLI01-5803-AMXX-AC12	506	0.0116	0.000	< 0.0053


Analyst

June 23, 2013
Date



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Contact Information		Project Information	
Company: AMEC Environment & Infrastructure	Phone: (248) 313-3685	Project Name: Lake Linden C&H Power Plant Site	Report Results (Z1 one box)
Contact: Kurt L. Cunningham, CPG	Cell Phone: (517) 404-3582	Project Location: Torch Lake Twp., Michigan	<input type="checkbox"/> QuanTEM Website
Account #: _____	E-mail: kurt.cunningham@amec.com	Project ID: 3293-13-1510 Task 2100	<input checked="" type="checkbox"/> Other email

Sampled By: <u>Kurt L. Cunningham</u>	Date: <u>6/12/13</u>	RECEIVED BY: <u>[Signature]</u>	DATE & TIME: <u>6/17/13 1000</u>
RELINQUISHED BY: <u>[Signature]</u>		VIA: <u>Feeder</u>	

REQUESTED SERVICES (Please check the appropriate boxes)			
PLM	PLM	TEM	TEM
<input type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/> Air- AHERA	<input type="checkbox"/> Bulk- Presence / Absence EPA600/R-93/116
<input type="checkbox"/> 400 Point Count	<input type="checkbox"/> Other	<input checked="" type="checkbox"/> Air- NIOSH 7402	<input type="checkbox"/> Bulk- Quantitative [weigh%]- Chatfield
<input type="checkbox"/> 1000 Point Count		<input type="checkbox"/> Air- ISO 10312	<input type="checkbox"/> Dust- Presence / Absence
<input type="checkbox"/> Gravimetric Preparation	<input type="checkbox"/> PCM	<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Dust- Quantitative [fibers/sq.cm]- ASTM D5755
<input type="checkbox"/> Particle ID	<input type="checkbox"/> NIOSH 7400	<input type="checkbox"/> Waste Water- EPA 600/4-83-043	<input type="checkbox"/> Other

No.	Sample ID (10 Characters Max)	To Be Analyzed	Description	Volume / Area (as applicable)	Comments / Notes
1	LL201-13LXX-ABC1	<input checked="" type="checkbox"/>	1.40 gpc 642 min	901	
2	LL201-01XX-AB02	<input checked="" type="checkbox"/>	2.01 gpc 644 min	1297	
3	LL201-MuXX-AB03	<input checked="" type="checkbox"/>	2.03 gpc 644 min	1307	
4	LL201-09XX-AB04	<input checked="" type="checkbox"/>	1.80 gpc 643 min	1166	
5	LL201-05XX-AB05	<input checked="" type="checkbox"/>	1.72 gpc 645 min	1167	
6	LL201-06XX-AB06	<input checked="" type="checkbox"/>	1.91 gpc 645 min	1232	
7	LL201-4501-AMXX-AC01	<input checked="" type="checkbox"/>	4.13 gpc 132 min	545	
8	LL201-4502-5LXX-AC02	<input checked="" type="checkbox"/>	4.31 gpc 131 min	564	
9	LL201-4501-7LXX-AC03	<input checked="" type="checkbox"/>	3.98 gpc 133 min	529	
10	LL201-4502-ASXX-AC04	<input checked="" type="checkbox"/>	3.99 gpc 130 min	514	



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Lab No. <u>222923</u>
Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>

Project Information			
Company: AMEC Environment & Infrastructure		Project Name: Lake Linden C&H Power Plant Site	Project Location: Torch Lake Twp., Michigan
No.	Sample ID (10 Characters Max)	Description	Volume / Area (as applicable)
11	LLI01-4883-	2.07 gpc @ 251 min	520
12	TRXX-AC05-	2.04 gpc @ 252 min	514
13	LLI01-4903-	2.69 gpc @ 250 min	524
14	AMXX-AC06-	2.17 gpc @ 251 min	549
15	LLI01-5701-	4.24 gpc @ 126 min	534
16	AMXX-AC07-	4.02 gpc @ 125 min	502
17	LLI01-5801-	4.21 gpc @ 125 min	526
18	TRXX-AC08-	4.01 gpc @ 126 min	506
19	LLI01-5703-		
20	AMXX-AC09-		
21	LLI01-5802-		
22	TRXX-AC10-		
23	LLI01-5702-		
24	AMXX-AC11-		
25	LLI01-5803-		
26	TRXX-AC12-		
27			
28			
29			
30			



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AMEC NOVI, MI
Kurt Cunningham
46850 Magellan Drive Ste 190
Novi, Michigan 48377

Re: Quantem ID 235858

Quantem appreciates the opportunity to provide analytical testing services to you. Attached are your reports and other supporting documentation for the above referenced project.

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 235858

Account Number: B894

Date Received: 05/23/2014

Received By: Joanna Mueller

Date Analyzed: 06/02/2014

Analyzed By: Jeff Mlekush

Methodology: CARB 435

Client: AMEC NOVI, MI

Kurt Cunningham

46850 Magellan Drive Ste 190

Novi, Michigan 48377

Project: Lake Linden C&H Power Plant Site

Project Location: Lake Linden, Michigan (LLI01)

Project Number: 3293-12-1489 Task 5710

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	LLI01-41XX- 0005-55XX	Homogeneous	Brown Soil	Asbestos Not Present 1000 Point Count	NA	
002	LLI01-41XX- 0502-55XX	Homogeneous	Brown Soil	Asbestos Not Present 1000 Point Count	NA	
003	LLI01-41XX- 0205-55XX	Homogeneous	Brown Soil	Asbestos Not Present 1000 Point Count	NA	
004	LLI01-32XX- 0005-55XX	Homogeneous	Brown Soil	Asbestos Not Present 1000 Point Count	NA	
005	LLI01-32XX- 0502-55XX	Homogeneous	Brown Soil	Asbestos Not Present 1000 Point Count	NA	
006	LLI01-32XX- 0205-55XX	Homogeneous	Brown Soil	Asbestos Not Present 1000 Point Count	NA	
007	LLI01-24XX- 0005-55XX	Homogeneous	Brown Soil	Asbestos Not Present 1000 Point Count	NA	

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

Quantem is a NVLAP accredited PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP or any agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.



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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 235858

Account Number: B894

Date Received: 05/23/2014

Received By: Joanna Mueller

Date Analyzed: 06/02/2014

Analyzed By: Jeff Mlekush

Methodology: CARB 435

Client: AMEC NOVI, MI

Kurt Cunningham

46850 Magellan Drive Ste 190

Novi, Michigan 48377

Project: Lake Linden C&H Power Plant Site

Project Location: Lake Linden, Michigan (LLI01)

Project Number: 3293-12-1489 Task 5710

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	LLI01-24XX- 0502-55XX	Homogeneous	Brown Soil	Asbestos Not Present 1000 Point Count	NA	
009	LLI01-24XX- 0205-55XX	Homogeneous	Brown Soil	Asbestos Not Present 1000 Point Count	NA	
010	LLI01-26XX- 0005-55XX	Homogeneous	Brown Soil	Asbestos Not Present 1000 Point Count	NA	
011	LLI01-26XX- 0502-55XX	Homogeneous	Brown Soil	Asbestos Not Present 1000 Point Count	NA	
012	LLI01-26XX- 0205-55XX	Homogeneous	Brown Soil	Asbestos Not Present 1000 Point Count	NA	
013	LLI01-34XX- 0005-55XX	Homogeneous	Brown Soil	Asbestos Not Present 1000 Point Count	NA	
014	LLI01-34XX- 0502-55XX	Homogeneous	Brown Soil	Asbestos Not Present 1000 Point Count	NA	

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 235858

Account Number: B894

Date Received: 05/23/2014

Received By: Joanna Mueller

Date Analyzed: 06/02/2014

Analyzed By: Jeff Mlekush

Methodology: CARB 435

Client: AMEC NOVI, MI

Kurt Cunningham

46850 Magellan Drive Ste 190

Novi, Michigan 48377

Project: Lake Linden C&H Power Plant Site

Project Location: Lake Linden, Michigan (LLI01)

Project Number: 3293-12-1489 Task 5710

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
015	LLI01-34XX-0205-55XX	Homogeneous	Brown Soil	Asbestos Not Present 1000 Point Count	NA	
016	LLI01-6472-0005-55XX	Homogeneous	Brown Soil	Asbestos Not Present 1000 Point Count	NA	
017	LLI01-6472-0502-55XX	Homogeneous	Brown Soil	Asbestos Not Present 1000 Point Count	NA	
018	LLI01-6472-0205-55XX	Homogeneous	Brown Soil	Asbestos Not Present 1000 Point Count	NA	
019	LLI01-70XX-0005-55XX	Homogeneous	Brown Soil	Asbestos Not Present 1000 Point Count	NA	
020	LLI01-70XX-0502-55XX	Homogeneous	Brown Soil	Asbestos Not Present 1000 Point Count	NA	
021	LLI01-70XX-0205-55XX	Homogeneous	Brown Soil	Asbestos Not Present 1000 Point Count	NA	

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 235858

Account Number: B894

Date Received: 05/23/2014

Received By: Joanna Mueller

Date Analyzed: 06/02/2014

Analyzed By: Jeff Mlekush

Methodology: CARB 435

Client: AMEC NOVI, MI

Kurt Cunningham

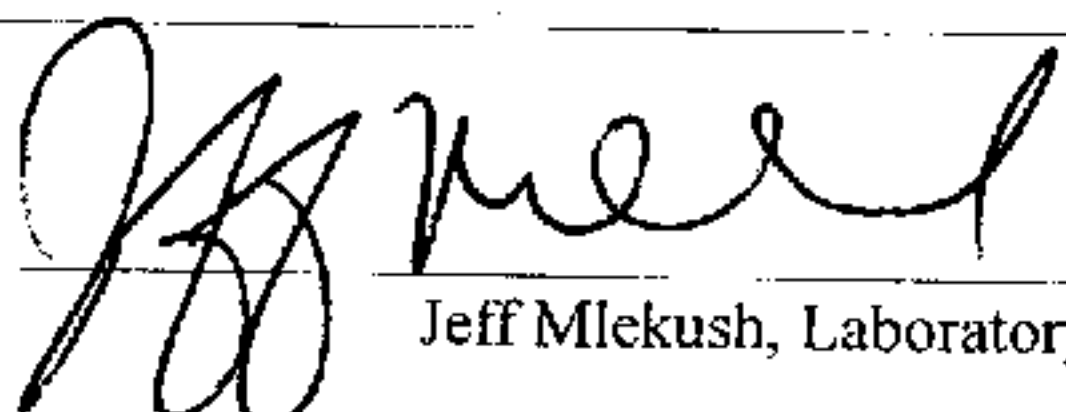
46850 Magellan Drive Ste 190

Novi, Michigan 48377

Project: Lake Linden C&H Power Plant Site

Project Location: Lake Linden, Michigan (LLI01)

Project Number: 3293-12-1489 Task 5710

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
				6/2/2014		
Jeff Mlekush, Laboratory Manager				Date of Report		

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

Quantem is a NVLAP accredited PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP or any agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.



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Report Results (☒ one box)
☐ Quantem Website
☐ Other _____

Contact Information		Project Information	
Company:	AMEC - Novi, MI	Project Name:	Lake Linden C&H Power Plant Site
Contact:	Kurt L. Cunningham, CPG	Project Location:	Lake Linden, Michigan (LLI01)
Account #:	B894	Project ID:	3293-12-1489 Task 5710
SAMPLED BY:	Name: <u>Kurt Cunningham</u>	P.O. Number:	C12902033
	Phone: <u>(248) 313-3685</u>		
	Cell Phone: <u>(517) 404-3582</u>		
	E-mail: <u>kurt.cunningham@amec.com</u>		
	Date: <u>5/19/14</u>		

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
		<u>FedEx</u>	<u>[Signature]</u>	<u>5-23-14 10:15</u>

REQUESTED SERVICES (Please ☒ the Appropriate Boxes)

	PLM		PLM		TEM		TEM		TURNAROUND TIME			
	Bulk Analysis (EPA 600/R-93/116)	400 Point Count	Vermiculite Attic Insulation (EPA 600/R-04/004)	Other CARB 435 Prep	Air- AHERA	Air- NIOSH 7402	Air- ISO 10312	Bulk- Presence / Absence EPA600/R-93/116	Bulk- Quantitative [weight%]- Chatfield	Dust- Presence / Absence	Dust- Quantitative [fibers/sq.cm]- ASTM D5755	Other
<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>			<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	LLI01-41XX-0005-SSXX	<input checked="" type="checkbox"/>		<u>Soil - Use CARB 435 Prep</u>		
2	LLI01-41XX-0502-SSXX	<input checked="" type="checkbox"/>				
3	LLI01-41XX-0205-SSXX	<input checked="" type="checkbox"/>				
4	LLI01-32XX-0005-SSXX	<input checked="" type="checkbox"/>				
5	LLI01-32XX-0502-SSXX	<input checked="" type="checkbox"/>				
6	LLI01-32XX-0205-SSXX	<input checked="" type="checkbox"/>				
7	LLI01-24XX-0005-SSXX	<input checked="" type="checkbox"/>				
8	LLI01-24XX-0502-SSXX	<input checked="" type="checkbox"/>				
9	LLI01-24XX-0205-SSXX	<input checked="" type="checkbox"/>				
10	LLI01-24XX-0005-SSXX	<input checked="" type="checkbox"/>				



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Lab No. 235858
Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>

Project Information				
Company: AMEC - Novi, MI		Project Name: Lake Linden C&H Power Plant Site		Project Location: Lake Linden, Michigan (LLI01)
No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Color	Description
11	LLI01-20XX-0502-SSXX	<input checked="" type="checkbox"/>		<i>Soil - Use CARB-435 Prep</i>
12	LLI01-20XX-0205-SSXX	<input checked="" type="checkbox"/>		
13	LLI01-34XX-0005-SSXX	<input checked="" type="checkbox"/>		
14	LLI01-34XX-0502-SSXX	<input checked="" type="checkbox"/>		
15	LLI01-0472-34XX-0205-SSXX	<input checked="" type="checkbox"/>		
16	LLI01-0472-0005-SSXX	<input checked="" type="checkbox"/>		
17	LLI01-0472-0502-SSXX	<input checked="" type="checkbox"/>		
18	LLI01-0472-0205-SSXX	<input checked="" type="checkbox"/>		
19	LLI01-70XX-0005-SSXX	<input checked="" type="checkbox"/>		
20	LLI01-70XX-0502-SSXX	<input checked="" type="checkbox"/>		
21	LLI01-70XX-0205-SSXX	<input checked="" type="checkbox"/>		
22		<input type="checkbox"/>		
23		<input type="checkbox"/>		
24		<input type="checkbox"/>		
25		<input type="checkbox"/>		
26		<input type="checkbox"/>		
27		<input type="checkbox"/>		
28		<input type="checkbox"/>		
29		<input type="checkbox"/>		
30		<input type="checkbox"/>		
				Comments / Notes



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

AMEC NOVI, MI
Kurt Cunningham
46850 Magellan Drive Ste 190
Novi, Michigan 48377

Re: QuantEM ID 235862

QuantEM appreciates the opportunity to provide analytical testing services to you. Attached are your reports and other supporting documentation for the above referenced project.

Thank you for making QuantEM your lab of choice. If you have any question concerning this or other reports please feel free to contact us at 800-822-1650.

We continually work to improve our service. Help us out by providing feed back on your experience at www.QuanTEM.com. Click on Service Survey and fill out the form. We look forward to hearing from you.

Respectfully,
QuantEM Laboratories, LLC.





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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 235862

Account Number: B894

Date Received: 05/23/2014

Received By: Joanna Mueller

Date Analyzed: 06/02/2014

Analyzed By: Jeff Mlekush

Methodology: CARB 435

Client: AMEC NOVI, MI

Kurt Cunningham

46850 Magellan Drive Ste 190

Novi, Michigan 48377

Project: Lake Linden C&H Power Plant Site

Project Location: Lake Linden, Michigan (LLI01)

Project Number: 3293-12-1489 Task 5710

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	LLI01-31XX- 0005-55XX	Homogeneous	Brown Soil	Asbestos Not Present 1000 Point Count	NA	
002	LLI01-31XX- 0502-55XX	Homogeneous	Brown Soil	Asbestos Not Present 1000 Point Count	NA	
003	LLI01-47XX- 0005-55XX	Homogeneous	Brown Soil	Asbestos Not Present 1000 Point Count	NA	
004	LLI01-47XX- 0502-55XX	Homogeneous	Brown Soil	Asbestos Not Present 1000 Point Count	NA	
005	LLI01-47XX- 0205-55XX	Homogeneous	Brown Soil	Asbestos Not Present 1000 Point Count	NA	

Jeff Mlekush, Laboratory Manager

6/2/2014

Date of Report

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

Quantem is a NVLAP accredited PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP or any agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.



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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. <u>235862</u>
<input checked="" type="radio"/> Accept <input type="radio"/> Reject

Report Results (<input checked="" type="checkbox"/> one box)
<input type="checkbox"/> Quantem Website
<input type="checkbox"/> Other _____

Contact Information		Project Information	
Company: AMEC - Novi, MI	Phone: (248) 313-3685	Project Name: Lake Linden C&H Power Plant Site	
Contact: Kurt L. Cunningham, CPG	Cell Phone: (517) 404-3582	Project Location: Lake Linden, Michigan (LLI01)	
Account #: B894	E-mail: kurt.cunningham@amec.com	Project ID: 3293-12-1489 Task 5710	
SAMPLED BY: Name: <u>Kurt Cunningham</u>	Date: <u>5/20/14</u>	P.O. Number: C12902033	

RELINQUISHED BY	VIA	RECEIVED BY	DATE & TIME
	<u>Fed Ex</u>	<u>[Signature]</u>	<u>5-23-14/1015</u>

REQUESTED SERVICES (Please ☒ the Appropriate Boxes)

PLM	PLM	PLM	TEM	TEM	TURNAROUND TIME
<input checked="" type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/> Air- AHERA	<input type="checkbox"/> Bulk- Presence / Absence EPA600/R-93/116	<input type="checkbox"/> Rush	
<input type="checkbox"/> 400 Point Count	<input checked="" type="checkbox"/> Other CARB 435 Prep	<input type="checkbox"/> Air- NIOSH 7402	<input type="checkbox"/> Bulk- Quantitative [weight%]- Chatfield	<input type="checkbox"/> Same Day	
<input type="checkbox"/> 1000 Point Count		<input type="checkbox"/> Air- ISO 10312	<input type="checkbox"/> Dust- Presence / Absence	<input type="checkbox"/> 24 - Hour	
<input type="checkbox"/> Gravimetric Preparation	PCM	<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Dust- Quantitative [fibers/sq.cm]- ASTM D5755	<input type="checkbox"/> 3 - Day	
<input type="checkbox"/> Particle ID	NIOSH 7400	<input type="checkbox"/> Waste Water- EPA 600/4-83-043	<input type="checkbox"/> Other	<input checked="" type="checkbox"/> 5 - Day	

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	LLI01-31XX-0502-SSXX	<input checked="" type="checkbox"/>		<u>Soil-Use CARB-435 Prep</u>		
2	LLI01-31XX-0502-SSXX	<input checked="" type="checkbox"/>				
3	LLI01-47XX-0502-SSXX	<input checked="" type="checkbox"/>				
4	LLI01-47XX-0502-SSXX	<input checked="" type="checkbox"/>				
5	LLI01-47XX-0502-SSXX	<input checked="" type="checkbox"/>				
6	LLI01-47XX-0502-SSXX	<input type="checkbox"/>				
7		<input type="checkbox"/>				
8		<input type="checkbox"/>				
9		<input type="checkbox"/>				
10		<input type="checkbox"/>				

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Canton

4101 Shuffel Street NW

North Canton, OH 44720

Tel: (330)497-9396

TestAmerica Job ID: 240-37798-1

Client Project/Site: Honeywell Lake Linden, MI

Revision: 1

For:

AMEC Environment & Infrastructure, Inc.

46850 Magellan Drive, Suite 190

Novi, Michigan 48377

Attn: Michael J McGowan



Authorized for release by:

6/9/2014 11:39:23 AM

John McFadden, Project Manager I

john.mcfadden@testamericainc.com

Designee for

Mark Loeb, Project Manager II

(330)966-9387

mark.loeb@testamericainc.com

LINKS

Review your project
results through

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

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



Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Method Summary	6
Sample Summary	7
Detection Summary	9
Client Sample Results	15
QC Sample Results	74
QC Association Summary	76
Lab Chronicle	81
Certification Summary	93
Chain of Custody	94

Definitions/Glossary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Qualifiers

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
F1	MS and/or MSD Recovery exceeds the control limits

Glossary

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

Case Narrative

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Job ID: 240-37798-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: AMEC Environment & Infrastructure, Inc.

Project: Honeywell Lake Linden, MI

Report Number: 240-37798-1

Revision 1

This report was revised on 6/9/14 so the sample IDs could be corrected per the client's revised Chain of Custody sent on 6/9/14. The revised Chain of Custody is included at the end of the report.

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

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

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

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

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

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

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

RECEIPT

The samples were received on 5/28/2014 10:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 6 coolers at receipt time were 5.2° C, 5.2° C, 5.2° C, 5.4° C, 5.4° C and 5.4° C.

TOTAL METALS (ICP)

Samples LLI01-27SE-0005-SSXX (240-37798-1), LLI01-41NW-0005-SSXX (240-37799-1), LLI01-31SW-0005-SSXX (240-37801-1), LLI01-27SE-0502-SSXX (240-37798-2), LLI01-41NW-0502-SSXX (240-37799-2), LLI01-31SW-0502-SSXX (240-37801-2), LLI01-20SE-0005-SSXX (240-37798-3), LLI01-41NW-0205-SSXX (240-37799-3), LLI01-30SE-0005-SSXX (240-37801-3), LLI01-20SE-0502-SSXX (240-37798-4), LLI01-32SE-0005-SSXX (240-37799-4), LLI01-30SE-0502-SSXX (240-37801-4), LLI01-19SE-0005-SSXX (240-37798-5), LLI01-32SE-0502-SSXX (240-37799-5), LLI01-39SW-0005-SSXX (240-37801-5), LLI01-19SE-0502-SSXX (240-37798-6), LLI01-32SE-0205-SSXX (240-37799-6), LLI01-39SW-0502-SSXX (240-37801-6), LLI01-12SE-0005-SSXX (240-37798-7), LLI01-24SE-0005-SSXX (240-37799-7), LLI01-39NE-0005-SSXX (240-37801-7), LLI01-12SE-0502-SSXX (240-37798-8), LLI01-24SE-0502-SSXX (240-37799-8), LLI01-39NE-0502-SSXX (240-37801-8), LLI01-01NE-0005-SSXX (240-37798-9), LLI01-24SE-0205-SSXX (240-37799-9), LLI01-57SE-0005-SSXX (240-37801-9), LLI01-01NE-0502-SSXX (240-37798-10), LLI01-26SW-0005-SSXX (240-37799-10), LLI01-57SE-0502-SSXX (240-37801-10),

Case Narrative

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Job ID: 240-37798-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

LLI01-26SW-0502-SSXX (240-37799-11), LLI01-66SE-0005-SSXX (240-37801-11), LLI01-26NE-0005-SSXX (240-37799-12), LLI01-66SE-0502-SSXX (240-37801-12), LLI01-26NE-0502-SSXX (240-37799-13), LLI01-45SW-0005-SSXX (240-37801-13), LLI01-34SE-0005-SSXX (240-37799-14), LLI01-45SW-0502-SSXX (240-37801-14), LLI01-34SE-0502-SSXX (240-37799-15), LLI01-45NW-0005-SSXX (240-37801-15), LLI01-34NE-0005-SSXX (240-37799-16), LLI01-45NW-0502-SSXX (240-37801-16), LLI01-34NE-0502-SSXX (240-37799-17), LLI01-44NW-0005-SSXX (240-37801-17), LLI01-64NW-0005-SSXX (240-37799-18), LLI01-44NW-0502-SSXX (240-37801-18), LLI01-64NW-0502-SSXX (240-37799-19), LLI01-44SW-0005-SSXX (240-37801-19), LLI01-44SW-0502-SSXX (240-37801-20), LLI01-40NW-0005-SSXX (240-37801-21), LLI01-40NW-0502-SSXX (240-37801-22), LLI01-36NE-0005-SSXX (240-37801-23), LLI01-36NE-0502-SSXX (240-37801-24), LLI01-36NW-0005-SSXX (240-37801-25), LLI01-36NW-0502-SSXX (240-37801-26), LLI01-35NE-0005-SSXX (240-37801-27), LLI01-35NE-0502-SSXX (240-37801-28), LLI01-35NW-0005-SSXX (240-37801-29) and LLI01-35NW-0502-SSXX (240-37801-30) were analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 05/29/2014 and 05/30/2014 and analyzed on 05/30/2014, 06/02/2014 and 06/03/2014.

Lead failed the recovery criteria low for the MS/MSD of sample LLI01-66SE-0502-SSXXMS/MSD (240-37801-12) in batch 240-133059.

The following samples required dilution prior to analysis: LLI01-27SE-0005-SSXX (240-37798-1)[10X], LLI01-27SE-0502-SSXX (240-37798-2)[10X], LLI01-31SW-0502-SSXX (240-37798-2)[5X], LLI01-20SE-0005-SSXX (240-37798-3)[10X], LLI01-20SE-0502-SSXX (240-37798-4)[10X], LLI01-19SE-0005-SSXX (240-37798-5)[10X], LLI01-39SW-0005-SSXX (240-37798-5)[5X], LLI01-19SE-0502-SSXX (240-37798-6)[10X], LLI01-39NE-0502-SSXX (240-37798-8)[5X], LLI01-01NE-0005-SSXX (240-37798-9)[5X], LLI01-26SW-0005-SSXX (240-37798-10)[10X], LLI01-01NE-0502-SSXX (240-37798-10)[5X], LLI01-45SW-0005-SSXX (240-37798-13)[10X], LLI01-45SW-0502-SSXX (240-37798-14)[10X], LLI01-45NW-0005-SSXX (240-37798-15)[10X], LLI01-34NE-0502-SSXX (240-37798-17)[5X], LLI01-44NW-0005-SSXX (240-37798-17)[50X], LLI01-64NW-0005-SSXX (240-37798-18)[2X], LLI01-44NW-0502-SSXX (240-37798-18)[2X], LLI01-44SW-0005-SSXX (240-37798-19)[10X], LLI01-36NE-0005-SSXX (240-37798-23)[10X], LLI01-36NE-0502-SSXX (240-37798-24)[5X], LLI01-36NW-0005-SSXX (240-37798-25)[5X], LLI01-36NW-0502-SSXX (240-37798-26)[10X], LLI01-35NE-0005-SSXX (240-37798-27)[10X], LLI01-35NW-0005-SSXX (240-37798-29)[5X] and LLI01-35NW-0502-SSXX (240-37798-30)[5X]. The reporting limits have been adjusted accordingly.

The following sample was diluted due to the nature of the sample matrix: LLI01-01NE-0502-SSXX (240-37798-10). Elevated reporting limits (RLs) are provided.

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

PERCENT SOLIDS

Samples LLI01-27SE-0005-SSXX (240-37798-1), LLI01-41NW-0005-SSXX (240-37799-1), LLI01-31SW-0005-SSXX (240-37801-1), LLI01-27SE-0502-SSXX (240-37798-2), LLI01-41NW-0502-SSXX (240-37799-2), LLI01-31SW-0502-SSXX (240-37801-2), LLI01-20SE-0005-SSXX (240-37798-3), LLI01-41NW-0205-SSXX (240-37799-3), LLI01-30SE-0005-SSXX (240-37801-3), LLI01-20SE-0502-SSXX (240-37798-4), LLI01-32SE-0005-SSXX (240-37799-4), LLI01-30SE-0502-SSXX (240-37801-4), LLI01-19SE-0005-SSXX (240-37798-5), LLI01-32SE-0502-SSXX (240-37799-5), LLI01-39SW-0005-SSXX (240-37801-5), LLI01-19SE-0502-SSXX (240-37798-6), LLI01-32SE-0205-SSXX (240-37799-6), LLI01-39SW-0502-SSXX (240-37801-6), LLI01-12SE-0005-SSXX (240-37798-7), LLI01-24SE-0005-SSXX (240-37799-7), LLI01-39NE-0005-SSXX (240-37801-7), LLI01-12SE-0502-SSXX (240-37798-8), LLI01-24SE-0502-SSXX (240-37799-8), LLI01-39NE-0502-SSXX (240-37801-8), LLI01-01NE-0005-SSXX (240-37798-9), LLI01-24SE-0205-SSXX (240-37799-9), LLI01-57SE-0005-SSXX (240-37801-9), LLI01-01NE-0502-SSXX (240-37798-10), LLI01-26SW-0005-SSXX (240-37799-10), LLI01-57SE-0502-SSXX (240-37801-10), LLI01-26SW-0502-SSXX (240-37799-11), LLI01-66SE-0005-SSXX (240-37801-11), LLI01-26NE-0005-SSXX (240-37799-12), LLI01-66SE-0502-SSXX (240-37801-12), LLI01-26NE-0502-SSXX (240-37799-13), LLI01-45SW-0005-SSXX (240-37801-13), LLI01-34SE-0005-SSXX (240-37799-14), LLI01-45SW-0502-SSXX (240-37801-14), LLI01-34SE-0502-SSXX (240-37799-15), LLI01-45NW-0005-SSXX (240-37801-15), LLI01-34NE-0005-SSXX (240-37799-16), LLI01-45NW-0502-SSXX (240-37801-16), LLI01-34NE-0502-SSXX (240-37799-17), LLI01-44NW-0005-SSXX (240-37801-17), LLI01-64NW-0005-SSXX (240-37799-18), LLI01-44NW-0502-SSXX (240-37801-18), LLI01-64NW-0502-SSXX (240-37799-19), LLI01-44SW-0005-SSXX (240-37801-19), LLI01-44SW-0502-SSXX (240-37801-20), LLI01-40NW-0005-SSXX (240-37801-21), LLI01-40NW-0502-SSXX (240-37801-22), LLI01-36NE-0005-SSXX (240-37801-23), LLI01-36NE-0502-SSXX (240-37801-24), LLI01-36NW-0005-SSXX (240-37801-25), LLI01-36NW-0502-SSXX (240-37801-26), LLI01-35NE-0005-SSXX (240-37801-27), LLI01-35NE-0502-SSXX (240-37801-28), LLI01-35NW-0005-SSXX (240-37801-29) and LLI01-35NW-0502-SSXX (240-37801-30) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 05/29/2014 and 05/30/2014.

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

Method Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

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

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Sample Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-37798-1	LLI01-27SE-0005-SSXX	Solid	05/21/14 08:23	05/28/14 10:00
240-37798-2	LLI01-27SE-0502-SSXX	Solid	05/21/14 08:24	05/28/14 10:00
240-37798-3	LLI01-20SE-0005-SSXX	Solid	05/21/14 08:32	05/28/14 10:00
240-37798-4	LLI01-20SE-0502-SSXX	Solid	05/21/14 08:33	05/28/14 10:00
240-37798-5	LLI01-19SE-0005-SSXX	Solid	05/21/14 08:44	05/28/14 10:00
240-37798-6	LLI01-19SE-0502-SSXX	Solid	05/21/14 08:45	05/28/14 10:00
240-37798-7	LLI01-12SE-0005-SSXX	Solid	05/21/14 09:00	05/28/14 10:00
240-37798-8	LLI01-12SE-0502-SSXX	Solid	05/21/14 09:01	05/28/14 10:00
240-37798-9	LLI01-01NE-0005-SSXX	Solid	05/21/14 09:11	05/28/14 10:00
240-37798-10	LLI01-01NE-0502-SSXX	Solid	05/21/14 09:12	05/28/14 10:00
240-37799-1	LLI01-41NW-0005-SSXX	Solid	05/19/14 12:09	05/28/14 10:00
240-37799-2	LLI01-41NW-0502-SSXX	Solid	05/19/14 12:10	05/28/14 10:00
240-37799-3	LLI01-41NW-0205-SSXX	Solid	05/19/14 12:11	05/28/14 10:00
240-37799-4	LLI01-32SE-0005-SSXX	Solid	05/19/14 13:21	05/28/14 10:00
240-37799-5	LLI01-32SE-0502-SSXX	Solid	05/19/14 13:22	05/28/14 10:00
240-37799-6	LLI01-32SE-0205-SSXX	Solid	05/19/14 13:23	05/28/14 10:00
240-37799-7	LLI01-24SE-0005-SSXX	Solid	05/19/14 14:09	05/28/14 10:00
240-37799-8	LLI01-24SE-0502-SSXX	Solid	05/19/14 14:10	05/28/14 10:00
240-37799-9	LLI01-24SE-0205-SSXX	Solid	05/19/14 14:11	05/28/14 10:00
240-37799-10	LLI01-26SW-0005-SSXX	Solid	05/19/14 14:40	05/28/14 10:00
240-37799-11	LLI01-26SW-0502-SSXX	Solid	05/19/14 14:41	05/28/14 10:00
240-37799-12	LLI01-26NE-0005-SSXX	Solid	05/19/14 14:56	05/28/14 10:00
240-37799-13	LLI01-26NE-0502-SSXX	Solid	05/19/14 14:57	05/28/14 10:00
240-37799-14	LLI01-34SE-0005-SSXX	Solid	05/19/14 15:34	05/28/14 10:00
240-37799-15	LLI01-34SE-0502-SSXX	Solid	05/19/14 15:35	05/28/14 10:00
240-37799-16	LLI01-34NE-0005-SSXX	Solid	05/19/14 15:55	05/28/14 10:00
240-37799-17	LLI01-34NE-0502-SSXX	Solid	05/19/14 15:56	05/28/14 10:00
240-37799-18	LLI01-64NW-0005-SSXX	Solid	05/19/14 16:42	05/28/14 10:00
240-37799-19	LLI01-64NW-0502-SSXX	Solid	05/19/14 16:43	05/28/14 10:00
240-37801-1	LLI01-31SW-0005-SSXX	Solid	05/20/14 11:22	05/28/14 10:00
240-37801-2	LLI01-31SW-0502-SSXX	Solid	05/20/14 11:28	05/28/14 10:00
240-37801-3	LLI01-30SE-0005-SSXX	Solid	05/20/14 14:00	05/28/14 10:00
240-37801-4	LLI01-30SE-0502-SSXX	Solid	05/20/14 14:01	05/28/14 10:00
240-37801-5	LLI01-39SW-0005-SSXX	Solid	05/20/14 14:17	05/28/14 10:00
240-37801-6	LLI01-39SW-0502-SSXX	Solid	05/20/14 14:18	05/28/14 10:00
240-37801-7	LLI01-39NE-0005-SSXX	Solid	05/20/14 14:32	05/28/14 10:00
240-37801-8	LLI01-39NE-0502-SSXX	Solid	05/20/14 14:33	05/28/14 10:00
240-37801-9	LLI01-57SE-0005-SSXX	Solid	05/20/14 14:47	05/28/14 10:00
240-37801-10	LLI01-57SE-0502-SSXX	Solid	05/20/14 14:48	05/28/14 10:00
240-37801-11	LLI01-66SE-0005-SSXX	Solid	05/20/14 15:21	05/28/14 10:00
240-37801-12	LLI01-66SE-0502-SSXX	Solid	05/20/14 15:22	05/28/14 10:00
240-37801-13	LLI01-45SW-0005-SSXX	Solid	05/20/14 15:46	05/28/14 10:00
240-37801-14	LLI01-45SW-0502-SSXX	Solid	05/20/14 15:47	05/28/14 10:00
240-37801-15	LLI01-45NW-0005-SSXX	Solid	05/20/14 15:52	05/28/14 10:00
240-37801-16	LLI01-45NW-0502-SSXX	Solid	05/20/14 15:53	05/28/14 10:00
240-37801-17	LLI01-44NW-0005-SSXX	Solid	05/20/14 16:03	05/28/14 10:00
240-37801-18	LLI01-44NW-0502-SSXX	Solid	05/20/14 16:04	05/28/14 10:00
240-37801-19	LLI01-44SW-0005-SSXX	Solid	05/20/14 16:16	05/28/14 10:00
240-37801-20	LLI01-44SW-0502-SSXX	Solid	05/20/14 16:17	05/28/14 10:00
240-37801-21	LLI01-40NW-0005-SSXX	Solid	05/20/14 16:51	05/28/14 10:00
240-37801-22	LLI01-40NW-0502-SSXX	Solid	05/20/14 16:52	05/28/14 10:00
240-37801-23	LLI01-36NE-0005-SSXX	Solid	05/20/14 17:08	05/28/14 10:00
240-37801-24	LLI01-36NE-0502-SSXX	Solid	05/20/14 17:09	05/28/14 10:00

TestAmerica Canton

Sample Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-37801-25	LLI01-36NW-0005-SSXX	Solid	05/20/14 17:17	05/28/14 10:00
240-37801-26	LLI01-36NW-0502-SSXX	Solid	05/20/14 17:18	05/28/14 10:00
240-37801-27	LLI01-35NE-0005-SSXX	Solid	05/20/14 17:33	05/28/14 10:00
240-37801-28	LLI01-35NE-0502-SSXX	Solid	05/20/14 17:34	05/28/14 10:00
240-37801-29	LLI01-35NW-0005-SSXX	Solid	05/20/14 17:43	05/28/14 10:00
240-37801-30	LLI01-35NW-0502-SSXX	Solid	05/20/14 17:44	05/28/14 10:00

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-27SE-0005-SSXX

Lab Sample ID: 240-37798-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	230000		3400	2200	ug/Kg	10	☼	6010B	Total/NA

Client Sample ID: LLI01-27SE-0502-SSXX

Lab Sample ID: 240-37798-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	490000		4100	2600	ug/Kg	10	☼	6010B	Total/NA

Client Sample ID: LLI01-20SE-0005-SSXX

Lab Sample ID: 240-37798-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	160000		2700	1700	ug/Kg	10	☼	6010B	Total/NA

Client Sample ID: LLI01-20SE-0502-SSXX

Lab Sample ID: 240-37798-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	39000		3300	2100	ug/Kg	10	☼	6010B	Total/NA

Client Sample ID: LLI01-19SE-0005-SSXX

Lab Sample ID: 240-37798-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	380000		3500	2200	ug/Kg	10	☼	6010B	Total/NA

Client Sample ID: LLI01-19SE-0502-SSXX

Lab Sample ID: 240-37798-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	560000		3200	2000	ug/Kg	10	☼	6010B	Total/NA

Client Sample ID: LLI01-12SE-0005-SSXX

Lab Sample ID: 240-37798-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	56000		310	200	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-12SE-0502-SSXX

Lab Sample ID: 240-37798-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	620000		300	190	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-01NE-0005-SSXX

Lab Sample ID: 240-37798-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	15000		1300	800	ug/Kg	5	☼	6010B	Total/NA

Client Sample ID: LLI01-01NE-0502-SSXX

Lab Sample ID: 240-37798-10

No Detections.

Client Sample ID: LLI01-41NW-0005-SSXX

Lab Sample ID: 240-37799-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	13000		300	190	ug/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Canton

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-41NW-0502-SSXX

Lab Sample ID: 240-37799-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	31000		330	210	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-41NW-0205-SSXX

Lab Sample ID: 240-37799-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	51000		340	210	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-32SE-0005-SSXX

Lab Sample ID: 240-37799-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	4700		290	180	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-32SE-0502-SSXX

Lab Sample ID: 240-37799-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	7600		240	150	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-32SE-0205-SSXX

Lab Sample ID: 240-37799-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	91000		330	210	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-24SE-0005-SSXX

Lab Sample ID: 240-37799-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	61000		250	160	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-24SE-0502-SSXX

Lab Sample ID: 240-37799-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	100000		320	200	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-24SE-0205-SSXX

Lab Sample ID: 240-37799-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	18000		300	190	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-26SW-0005-SSXX

Lab Sample ID: 240-37799-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	34000		3200	2000	ug/Kg	10	☼	6010B	Total/NA

Client Sample ID: LLI01-26SW-0502-SSXX

Lab Sample ID: 240-37799-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	24000		330	210	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-26NE-0005-SSXX

Lab Sample ID: 240-37799-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead									

This Detection Summary does not include radiochemical test results.

TestAmerica Canton

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-26NE-0005-SSXX (Continued)

Lab Sample ID: 240-37799-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	360000		330	210	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-26NE-0502-SSXX

Lab Sample ID: 240-37799-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	24000		340	210	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-34SE-0005-SSXX

Lab Sample ID: 240-37799-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	57000		320	210	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-34SE-0502-SSXX

Lab Sample ID: 240-37799-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	26000		320	200	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-34NE-0005-SSXX

Lab Sample ID: 240-37799-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	150000		270	170	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-34NE-0502-SSXX

Lab Sample ID: 240-37799-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	69000		1300	820	ug/Kg	5	☼	6010B	Total/NA

Client Sample ID: LLI01-64NW-0005-SSXX

Lab Sample ID: 240-37799-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	90000		600	380	ug/Kg	2	☼	6010B	Total/NA

Client Sample ID: LLI01-64NW-0502-SSXX

Lab Sample ID: 240-37799-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	75000		270	170	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-31SW-0005-SSXX

Lab Sample ID: 240-37801-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	610000		480	310	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-31SW-0502-SSXX

Lab Sample ID: 240-37801-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	1200000		2000	1300	ug/Kg	5	☼	6010B	Total/NA

Client Sample ID: LLI01-30SE-0005-SSXX

Lab Sample ID: 240-37801-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead									

This Detection Summary does not include radiochemical test results.

TestAmerica Canton

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-30SE-0005-SSXX (Continued)

Lab Sample ID: 240-37801-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	200000		370	240	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-30SE-0502-SSXX

Lab Sample ID: 240-37801-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	140000		330	210	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-39SW-0005-SSXX

Lab Sample ID: 240-37801-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	56000		1500	950	ug/Kg	5	☼	6010B	Total/NA

Client Sample ID: LLI01-39SW-0502-SSXX

Lab Sample ID: 240-37801-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	79000		310	190	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-39NE-0005-SSXX

Lab Sample ID: 240-37801-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	26000		300	190	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-39NE-0502-SSXX

Lab Sample ID: 240-37801-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	68000		1500	920	ug/Kg	5	☼	6010B	Total/NA

Client Sample ID: LLI01-57SE-0005-SSXX

Lab Sample ID: 240-37801-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	140000		330	210	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-57SE-0502-SSXX

Lab Sample ID: 240-37801-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	260000		320	200	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-66SE-0005-SSXX

Lab Sample ID: 240-37801-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	150000		310	200	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-66SE-0502-SSXX

Lab Sample ID: 240-37801-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	77000		350	220	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-45SW-0005-SSXX

Lab Sample ID: 240-37801-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead									

This Detection Summary does not include radiochemical test results.

TestAmerica Canton

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-45SW-0005-SSXX (Continued)

Lab Sample ID: 240-37801-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	930000		2400	1500	ug/Kg	10	☼	6010B	Total/NA

Client Sample ID: LLI01-45SW-0502-SSXX

Lab Sample ID: 240-37801-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	50000		3000	1900	ug/Kg	10	☼	6010B	Total/NA

Client Sample ID: LLI01-45NW-0005-SSXX

Lab Sample ID: 240-37801-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	580000		3200	2000	ug/Kg	10	☼	6010B	Total/NA

Client Sample ID: LLI01-45NW-0502-SSXX

Lab Sample ID: 240-37801-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	17000		300	190	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-44NW-0005-SSXX

Lab Sample ID: 240-37801-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	160000		15000	9200	ug/Kg	50	☼	6010B	Total/NA

Client Sample ID: LLI01-44NW-0502-SSXX

Lab Sample ID: 240-37801-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	15000		540	340	ug/Kg	2	☼	6010B	Total/NA

Client Sample ID: LLI01-44SW-0005-SSXX

Lab Sample ID: 240-37801-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	160000		3300	2100	ug/Kg	10	☼	6010B	Total/NA

Client Sample ID: LLI01-44SW-0502-SSXX

Lab Sample ID: 240-37801-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	26000		320	200	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-40NW-0005-SSXX

Lab Sample ID: 240-37801-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	1600		250	160	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-40NW-0502-SSXX

Lab Sample ID: 240-37801-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	3500		280	180	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-36NE-0005-SSXX

Lab Sample ID: 240-37801-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead									

This Detection Summary does not include radiochemical test results.

TestAmerica Canton

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-36NE-0005-SSXX (Continued)

Lab Sample ID: 240-37801-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	46000		910	270	ug/Kg	1	☼	6010B	Total/NA
Lead	340000		2700	1700	ug/Kg	10	☼	6010B	Total/NA

Client Sample ID: LLI01-36NE-0502-SSXX

Lab Sample ID: 240-37801-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	14000		1100	340	ug/Kg	1	☼	6010B	Total/NA
Lead	120000		1700	1100	ug/Kg	5	☼	6010B	Total/NA

Client Sample ID: LLI01-36NW-0005-SSXX

Lab Sample ID: 240-37801-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	95000		1500	970	ug/Kg	5	☼	6010B	Total/NA

Client Sample ID: LLI01-36NW-0502-SSXX

Lab Sample ID: 240-37801-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	180000		3000	1900	ug/Kg	10	☼	6010B	Total/NA

Client Sample ID: LLI01-35NE-0005-SSXX

Lab Sample ID: 240-37801-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	160000		3400	2200	ug/Kg	10	☼	6010B	Total/NA

Client Sample ID: LLI01-35NE-0502-SSXX

Lab Sample ID: 240-37801-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	87000		250	160	ug/Kg	1	☼	6010B	Total/NA

Client Sample ID: LLI01-35NW-0005-SSXX

Lab Sample ID: 240-37801-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	110000		1200	750	ug/Kg	5	☼	6010B	Total/NA

Client Sample ID: LLI01-35NW-0502-SSXX

Lab Sample ID: 240-37801-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	83000		1500	940	ug/Kg	5	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Canton

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-27SE-0005-SSXX

Lab Sample ID: 240-37798-1

Date Collected: 05/21/14 08:23

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 75.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	230000		3400	2200	ug/Kg	☼	05/29/14 09:20	05/30/14 16:35	10

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-27SE-0502-SSXX

Lab Sample ID: 240-37798-2

Date Collected: 05/21/14 08:24

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 69.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	490000		4100	2600	ug/Kg	☼	05/29/14 09:20	05/30/14 16:51	10

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-20SE-0005-SSXX

Lab Sample ID: 240-37798-3

Date Collected: 05/21/14 08:32

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 92.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	160000		2700	1700	ug/Kg	☼	05/29/14 09:20	05/30/14 16:55	10

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-20SE-0502-SSXX

Lab Sample ID: 240-37798-4

Date Collected: 05/21/14 08:33

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 87.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	39000		3300	2100	ug/Kg	☼	05/29/14 09:20	05/30/14 17:07	10

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-19SE-0005-SSXX

Lab Sample ID: 240-37798-5

Date Collected: 05/21/14 08:44

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 78.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	380000		3500	2200	ug/Kg	☼	05/29/14 09:20	05/30/14 17:11	10

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-19SE-0502-SSXX

Lab Sample ID: 240-37798-6

Date Collected: 05/21/14 08:45

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 83.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	560000		3200	2000	ug/Kg	☼	05/29/14 09:20	05/30/14 17:15	10

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-12SE-0005-SSXX

Lab Sample ID: 240-37798-7

Date Collected: 05/21/14 09:00

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 84.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	56000		310	200	ug/Kg	☼	05/29/14 09:20	05/30/14 17:19	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-12SE-0502-SSXX

Lab Sample ID: 240-37798-8

Date Collected: 05/21/14 09:01

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 87.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	620000		300	190	ug/Kg	☼	05/29/14 09:20	05/30/14 17:23	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-01NE-0005-SSXX

Lab Sample ID: 240-37798-9

Date Collected: 05/21/14 09:11

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 94.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	15000		1300	800	ug/Kg	☼	05/29/14 09:20	06/02/14 14:06	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-01NE-0502-SSXX

Lab Sample ID: 240-37798-10

Date Collected: 05/21/14 09:12

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 92.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1400	U	1400	900	ug/Kg	☼	05/29/14 09:20	05/30/14 17:36	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-41NW-0005-SSXX

Lab Sample ID: 240-37799-1

Date Collected: 05/19/14 12:09

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 84.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	13000		300	190	ug/Kg	☼	05/29/14 09:20	05/30/14 17:40	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-41NW-0502-SSXX

Lab Sample ID: 240-37799-2

Date Collected: 05/19/14 12:10

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 90.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	31000		330	210	ug/Kg	☼	05/29/14 09:20	05/30/14 17:44	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-41NW-0205-SSXX

Lab Sample ID: 240-37799-3

Date Collected: 05/19/14 12:11

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 85.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	51000		340	210	ug/Kg	☼	05/29/14 09:20	05/30/14 17:55	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-32SE-0005-SSXX

Lab Sample ID: 240-37799-4

Date Collected: 05/19/14 13:21

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 81.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4700		290	180	ug/Kg	☼	05/29/14 09:20	05/30/14 17:59	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-32SE-0502-SSXX

Lab Sample ID: 240-37799-5

Date Collected: 05/19/14 13:22

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 82.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7600		240	150	ug/Kg	☼	05/29/14 09:20	05/30/14 18:03	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-32SE-0205-SSXX

Lab Sample ID: 240-37799-6

Date Collected: 05/19/14 13:23

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 81.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	91000		330	210	ug/Kg	☼	05/29/14 09:20	05/30/14 18:07	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-24SE-0005-SSXX

Lab Sample ID: 240-37799-7

Date Collected: 05/19/14 14:09

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 91.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	61000		250	160	ug/Kg	☼	05/29/14 09:20	05/30/14 18:11	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-24SE-0502-SSXX

Lab Sample ID: 240-37799-8

Date Collected: 05/19/14 14:10

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 83.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	100000		320	200	ug/Kg	☼	05/29/14 09:20	05/30/14 18:15	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-24SE-0205-SSXX

Lab Sample ID: 240-37799-9

Date Collected: 05/19/14 14:11

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 85.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	18000		300	190	ug/Kg	☼	05/29/14 09:20	05/30/14 18:20	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-26SW-0005-SSXX

Lab Sample ID: 240-37799-10

Date Collected: 05/19/14 14:40

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 72.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	34000		3200	2000	ug/Kg	☼	05/29/14 09:20	05/30/14 18:23	10

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-26SW-0502-SSXX

Lab Sample ID: 240-37799-11

Date Collected: 05/19/14 14:41

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 87.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	24000		330	210	ug/Kg	☼	05/29/14 09:24	05/30/14 17:44	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-26NE-0005-SSXX

Lab Sample ID: 240-37799-12

Date Collected: 05/19/14 14:56

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 85.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	360000		330	210	ug/Kg	☼	05/29/14 09:24	05/30/14 18:04	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-26NE-0502-SSXX

Lab Sample ID: 240-37799-13

Date Collected: 05/19/14 14:57

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 78.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	24000		340	210	ug/Kg	☼	05/29/14 09:24	05/30/14 18:16	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-34SE-0005-SSXX

Lab Sample ID: 240-37799-14

Date Collected: 05/19/14 15:34

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 86.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	57000		320	210	ug/Kg	☼	05/29/14 09:24	05/30/14 18:20	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-34SE-0502-SSXX

Lab Sample ID: 240-37799-15

Date Collected: 05/19/14 15:35

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 88.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	26000		320	200	ug/Kg	☼	05/29/14 09:24	05/30/14 18:24	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-34NE-0005-SSXX

Lab Sample ID: 240-37799-16

Date Collected: 05/19/14 15:55

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 86.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	150000		270	170	ug/Kg	☼	05/29/14 09:24	05/30/14 18:28	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-34NE-0502-SSXX

Lab Sample ID: 240-37799-17

Date Collected: 05/19/14 15:56

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 83.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	69000		1300	820	ug/Kg	☼	05/29/14 09:24	06/02/14 11:13	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-64NW-0005-SSXX

Lab Sample ID: 240-37799-18

Date Collected: 05/19/14 16:42

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 83.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	90000		600	380	ug/Kg	☼	05/29/14 09:24	05/30/14 18:36	2

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-64NW-0502-SSXX

Lab Sample ID: 240-37799-19

Date Collected: 05/19/14 16:43

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 88.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	75000		270	170	ug/Kg	☼	05/29/14 09:24	05/30/14 18:41	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-31SW-0005-SSXX

Lab Sample ID: 240-37801-1

Date Collected: 05/20/14 11:22

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 55.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	610000		480	310	ug/Kg	☼	05/29/14 09:24	05/30/14 18:45	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-31SW-0502-SSXX

Lab Sample ID: 240-37801-2

Date Collected: 05/20/14 11:28

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 70.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1200000		2000	1300	ug/Kg	☼	05/29/14 09:24	06/02/14 11:25	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-30SE-0005-SSXX

Lab Sample ID: 240-37801-3

Date Collected: 05/20/14 14:00

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 77.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	200000		370	240	ug/Kg	☼	05/29/14 09:24	05/30/14 18:53	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-30SE-0502-SSXX

Lab Sample ID: 240-37801-4

Date Collected: 05/20/14 14:01

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 82.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	140000		330	210	ug/Kg	☼	05/29/14 09:24	05/30/14 19:06	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-39SW-0005-SSXX

Lab Sample ID: 240-37801-5

Date Collected: 05/20/14 14:17

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 87.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	56000		1500	950	ug/Kg	☼	05/29/14 09:24	06/02/14 11:29	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-39SW-0502-SSXX

Lab Sample ID: 240-37801-6

Date Collected: 05/20/14 14:18

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 85.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	79000		310	190	ug/Kg	☼	05/29/14 09:24	05/30/14 19:14	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-39NE-0005-SSXX

Lab Sample ID: 240-37801-7

Date Collected: 05/20/14 14:32

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 84.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	26000		300	190	ug/Kg	☼	05/29/14 09:24	05/30/14 19:18	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-39NE-0502-SSXX

Lab Sample ID: 240-37801-8

Date Collected: 05/20/14 14:33

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 85.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	68000		1500	920	ug/Kg	☼	05/29/14 09:24	06/02/14 11:33	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-57SE-0005-SSXX

Lab Sample ID: 240-37801-9

Date Collected: 05/20/14 14:47

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 79.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	140000		330	210	ug/Kg	☼	05/29/14 09:24	05/30/14 19:27	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-57SE-0502-SSXX

Lab Sample ID: 240-37801-10

Date Collected: 05/20/14 14:48

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 81.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	260000		320	200	ug/Kg	☼	05/29/14 09:24	05/30/14 19:31	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-66SE-0005-SSXX

Lab Sample ID: 240-37801-11

Date Collected: 05/20/14 15:21

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 84.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	150000		310	200	ug/Kg	☼	05/29/14 09:24	05/30/14 19:34	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-66SE-0502-SSXX

Lab Sample ID: 240-37801-12

Date Collected: 05/20/14 15:22

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 83.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	77000		350	220	ug/Kg	☼	05/30/14 10:41	06/02/14 16:01	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-45SW-0005-SSXX

Lab Sample ID: 240-37801-13

Date Collected: 05/20/14 15:46

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 83.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	930000		2400	1500	ug/Kg	☼	05/30/14 10:41	06/03/14 10:44	10

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-45SW-0502-SSXX

Lab Sample ID: 240-37801-14

Date Collected: 05/20/14 15:47

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 90.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	50000		3000	1900	ug/Kg	☼	05/30/14 10:41	06/03/14 10:48	10

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-45NW-0005-SSXX

Lab Sample ID: 240-37801-15

Date Collected: 05/20/14 15:52

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 88.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	580000		3200	2000	ug/Kg	☼	05/30/14 10:41	06/03/14 10:52	10

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-45NW-0502-SSXX

Lab Sample ID: 240-37801-16

Date Collected: 05/20/14 15:53

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 89.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	17000		300	190	ug/Kg	☼	05/30/14 10:41	06/02/14 16:43	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-44NW-0005-SSXX

Lab Sample ID: 240-37801-17

Date Collected: 05/20/14 16:03

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 85.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	160000		15000	9200	ug/Kg	☼	05/30/14 10:41	06/03/14 10:56	50

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-44NW-0502-SSXX

Lab Sample ID: 240-37801-18

Date Collected: 05/20/14 16:04

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 85.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	15000		540	340	ug/Kg	☼	05/30/14 10:41	06/03/14 11:00	2

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-44SW-0005-SSXX

Lab Sample ID: 240-37801-19

Date Collected: 05/20/14 16:16

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 87.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	160000		3300	2100	ug/Kg	☼	05/30/14 10:41	06/03/14 11:04	10

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-44SW-0502-SSXX

Lab Sample ID: 240-37801-20

Date Collected: 05/20/14 16:17

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 84.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	26000		320	200	ug/Kg	☼	05/30/14 10:41	06/02/14 16:59	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-40NW-0005-SSXX

Lab Sample ID: 240-37801-21

Date Collected: 05/20/14 16:51

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 88.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1600		250	160	ug/Kg	☼	05/30/14 10:41	06/02/14 17:11	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-40NW-0502-SSXX

Lab Sample ID: 240-37801-22

Date Collected: 05/20/14 16:52

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 91.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3500		280	180	ug/Kg	☼	05/30/14 10:41	06/02/14 17:15	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-36NE-0005-SSXX

Lab Sample ID: 240-37801-23

Date Collected: 05/20/14 17:08

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 84.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	46000		910	270	ug/Kg	☼	05/30/14 10:41	06/02/14 17:19	1
Lead	340000		2700	1700	ug/Kg	☼	05/30/14 10:41	06/03/14 11:09	10

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-36NE-0502-SSXX

Lab Sample ID: 240-37801-24

Date Collected: 05/20/14 17:09

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 84.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	14000		1100	340	ug/Kg	☼	05/30/14 10:41	06/02/14 17:23	1
Lead	120000		1700	1100	ug/Kg	☼	05/30/14 10:41	06/03/14 11:13	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-36NW-0005-SSXX

Lab Sample ID: 240-37801-25

Date Collected: 05/20/14 17:17

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 91.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	95000		1500	970	ug/Kg	☼	05/30/14 10:41	06/03/14 11:17	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-36NW-0502-SSXX

Lab Sample ID: 240-37801-26

Date Collected: 05/20/14 17:18

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 86.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	180000		3000	1900	ug/Kg	☼	05/30/14 10:41	06/03/14 11:29	10

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-35NE-0005-SSXX

Lab Sample ID: 240-37801-27

Date Collected: 05/20/14 17:33

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 86.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	160000		3400	2200	ug/Kg	☼	05/30/14 10:41	06/03/14 11:33	10

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-35NE-0502-SSXX

Lab Sample ID: 240-37801-28

Date Collected: 05/20/14 17:34

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 88.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	87000		250	160	ug/Kg	☼	05/30/14 10:41	06/02/14 17:40	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-35NW-0005-SSXX

Lab Sample ID: 240-37801-29

Date Collected: 05/20/14 17:43

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 90.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	110000		1200	750	ug/Kg	☼	05/30/14 10:41	06/03/14 11:37	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-35NW-0502-SSXX

Lab Sample ID: 240-37801-30

Date Collected: 05/20/14 17:44

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 88.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	83000		1500	940	ug/Kg	☼	05/30/14 10:41	06/03/14 11:41	5

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 240-132505/1-A

Matrix: Solid

Analysis Batch: 132864

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 132505

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	300	U	300	190	ug/Kg		05/29/14 09:20	05/30/14 16:28	1

Lab Sample ID: LCS 240-132505/2-A

Matrix: Solid

Analysis Batch: 132864

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 132505

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	50000	47000		ug/Kg		94	80 - 120

Lab Sample ID: 240-37798-1 MS

Matrix: Solid

Analysis Batch: 132864

Client Sample ID: LLI01-27SE-0005-SSXX

Prep Type: Total/NA

Prep Batch: 132505

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	230000		61500	295000		ug/Kg	☼	114	75 - 125

Lab Sample ID: 240-37798-1 MSD

Matrix: Solid

Analysis Batch: 132864

Client Sample ID: LLI01-27SE-0005-SSXX

Prep Type: Total/NA

Prep Batch: 132505

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	230000		61500	296000		ug/Kg	☼	116	75 - 125	0	20

Lab Sample ID: MB 240-132506/1-A

Matrix: Solid

Analysis Batch: 132714

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 132506

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	300	U	300	190	ug/Kg		05/29/14 09:24	05/30/14 17:36	1

Lab Sample ID: LCS 240-132506/2-A

Matrix: Solid

Analysis Batch: 132714

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 132506

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	50000	49700		ug/Kg		99	80 - 120

Lab Sample ID: 240-37799-11 MS

Matrix: Solid

Analysis Batch: 132714

Client Sample ID: LLI01-26SW-0502-SSXX

Prep Type: Total/NA

Prep Batch: 132506

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	24000		48900	69800		ug/Kg	☼	94	75 - 125

Lab Sample ID: 240-37799-11 MSD

Matrix: Solid

Analysis Batch: 132714

Client Sample ID: LLI01-26SW-0502-SSXX

Prep Type: Total/NA

Prep Batch: 132506

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	24000		48900	65300		ug/Kg	☼	85	75 - 125	7	20

TestAmerica Canton

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Lab Sample ID: MB 240-132720/1-A
Matrix: Solid
Analysis Batch: 133059

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 132720

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1000	U	1000	300	ug/Kg		05/30/14 10:41	06/02/14 15:53	1
Lead	300	U	300	190	ug/Kg		05/30/14 10:41	06/02/14 15:53	1

Lab Sample ID: LCS 240-132720/2-A
Matrix: Solid
Analysis Batch: 133059

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 132720

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	200000	194000		ug/Kg		97	80 - 120
Lead	50000	47800		ug/Kg		96	80 - 120

Lab Sample ID: 240-37801-12 MS
Matrix: Solid
Analysis Batch: 133059

Client Sample ID: LLI01-66SE-0502-SSXX
Prep Type: Total/NA
Prep Batch: 132720

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	5700		206000	180000		ug/Kg	⊛	85	75 - 125
Lead	77000		51500	98000	F1	ug/Kg	⊛	42	75 - 125

Lab Sample ID: 240-37801-12 MSD
Matrix: Solid
Analysis Batch: 133059

Client Sample ID: LLI01-66SE-0502-SSXX
Prep Type: Total/NA
Prep Batch: 132720

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	5700		206000	182000		ug/Kg	⊛	85	75 - 125	1	20
Lead	77000		51500	106000	F1	ug/Kg	⊛	58	75 - 125	8	20

TestAmerica Canton

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Metals

Prep Batch: 132505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-37798-1	LLI01-27SE-0005-SSXX	Total/NA	Solid	3050B	
240-37798-1 MS	LLI01-27SE-0005-SSXX	Total/NA	Solid	3050B	
240-37798-1 MSD	LLI01-27SE-0005-SSXX	Total/NA	Solid	3050B	
240-37798-2	LLI01-27SE-0502-SSXX	Total/NA	Solid	3050B	
240-37798-3	LLI01-20SE-0005-SSXX	Total/NA	Solid	3050B	
240-37798-4	LLI01-20SE-0502-SSXX	Total/NA	Solid	3050B	
240-37798-5	LLI01-19SE-0005-SSXX	Total/NA	Solid	3050B	
240-37798-6	LLI01-19SE-0502-SSXX	Total/NA	Solid	3050B	
240-37798-7	LLI01-12SE-0005-SSXX	Total/NA	Solid	3050B	
240-37798-8	LLI01-12SE-0502-SSXX	Total/NA	Solid	3050B	
240-37798-9	LLI01-01NE-0005-SSXX	Total/NA	Solid	3050B	
240-37798-10	LLI01-01NE-0502-SSXX	Total/NA	Solid	3050B	
240-37799-1	LLI01-41NW-0005-SSXX	Total/NA	Solid	3050B	
240-37799-2	LLI01-41NW-0502-SSXX	Total/NA	Solid	3050B	
240-37799-3	LLI01-41NW-0205-SSXX	Total/NA	Solid	3050B	
240-37799-4	LLI01-32SE-0005-SSXX	Total/NA	Solid	3050B	
240-37799-5	LLI01-32SE-0502-SSXX	Total/NA	Solid	3050B	
240-37799-6	LLI01-32SE-0205-SSXX	Total/NA	Solid	3050B	
240-37799-7	LLI01-24SE-0005-SSXX	Total/NA	Solid	3050B	
240-37799-8	LLI01-24SE-0502-SSXX	Total/NA	Solid	3050B	
240-37799-9	LLI01-24SE-0205-SSXX	Total/NA	Solid	3050B	
240-37799-10	LLI01-26SW-0005-SSXX	Total/NA	Solid	3050B	
LCS 240-132505/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 240-132505/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 132506

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-37799-11	LLI01-26SW-0502-SSXX	Total/NA	Solid	3050B	
240-37799-11 MS	LLI01-26SW-0502-SSXX	Total/NA	Solid	3050B	
240-37799-11 MSD	LLI01-26SW-0502-SSXX	Total/NA	Solid	3050B	
240-37799-12	LLI01-26NE-0005-SSXX	Total/NA	Solid	3050B	
240-37799-13	LLI01-26NE-0502-SSXX	Total/NA	Solid	3050B	
240-37799-14	LLI01-34SE-0005-SSXX	Total/NA	Solid	3050B	
240-37799-15	LLI01-34SE-0502-SSXX	Total/NA	Solid	3050B	
240-37799-16	LLI01-34NE-0005-SSXX	Total/NA	Solid	3050B	
240-37799-17	LLI01-34NE-0502-SSXX	Total/NA	Solid	3050B	
240-37799-18	LLI01-64NW-0005-SSXX	Total/NA	Solid	3050B	
240-37799-19	LLI01-64NW-0502-SSXX	Total/NA	Solid	3050B	
240-37801-1	LLI01-31SW-0005-SSXX	Total/NA	Solid	3050B	
240-37801-2	LLI01-31SW-0502-SSXX	Total/NA	Solid	3050B	
240-37801-3	LLI01-30SE-0005-SSXX	Total/NA	Solid	3050B	
240-37801-4	LLI01-30SE-0502-SSXX	Total/NA	Solid	3050B	
240-37801-5	LLI01-39SW-0005-SSXX	Total/NA	Solid	3050B	
240-37801-6	LLI01-39SW-0502-SSXX	Total/NA	Solid	3050B	
240-37801-7	LLI01-39NE-0005-SSXX	Total/NA	Solid	3050B	
240-37801-8	LLI01-39NE-0502-SSXX	Total/NA	Solid	3050B	
240-37801-9	LLI01-57SE-0005-SSXX	Total/NA	Solid	3050B	
240-37801-10	LLI01-57SE-0502-SSXX	Total/NA	Solid	3050B	
240-37801-11	LLI01-66SE-0005-SSXX	Total/NA	Solid	3050B	
LCS 240-132506/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 240-132506/1-A	Method Blank	Total/NA	Solid	3050B	

TestAmerica Canton

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Metals (Continued)

Analysis Batch: 132714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-37799-11	LLI01-26SW-0502-SSXX	Total/NA	Solid	6010B	132506
240-37799-11 MS	LLI01-26SW-0502-SSXX	Total/NA	Solid	6010B	132506
240-37799-11 MSD	LLI01-26SW-0502-SSXX	Total/NA	Solid	6010B	132506
240-37799-12	LLI01-26NE-0005-SSXX	Total/NA	Solid	6010B	132506
240-37799-13	LLI01-26NE-0502-SSXX	Total/NA	Solid	6010B	132506
240-37799-14	LLI01-34SE-0005-SSXX	Total/NA	Solid	6010B	132506
240-37799-15	LLI01-34SE-0502-SSXX	Total/NA	Solid	6010B	132506
240-37799-16	LLI01-34NE-0005-SSXX	Total/NA	Solid	6010B	132506
240-37799-18	LLI01-64NW-0005-SSXX	Total/NA	Solid	6010B	132506
240-37799-19	LLI01-64NW-0502-SSXX	Total/NA	Solid	6010B	132506
240-37801-1	LLI01-31SW-0005-SSXX	Total/NA	Solid	6010B	132506
240-37801-3	LLI01-30SE-0005-SSXX	Total/NA	Solid	6010B	132506
240-37801-4	LLI01-30SE-0502-SSXX	Total/NA	Solid	6010B	132506
240-37801-6	LLI01-39SW-0502-SSXX	Total/NA	Solid	6010B	132506
240-37801-7	LLI01-39NE-0005-SSXX	Total/NA	Solid	6010B	132506
240-37801-9	LLI01-57SE-0005-SSXX	Total/NA	Solid	6010B	132506
240-37801-10	LLI01-57SE-0502-SSXX	Total/NA	Solid	6010B	132506
240-37801-11	LLI01-66SE-0005-SSXX	Total/NA	Solid	6010B	132506
LCS 240-132506/2-A	Lab Control Sample	Total/NA	Solid	6010B	132506
MB 240-132506/1-A	Method Blank	Total/NA	Solid	6010B	132506

Prep Batch: 132720

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-37801-12	LLI01-66SE-0502-SSXX	Total/NA	Solid	3050B	
240-37801-12 MS	LLI01-66SE-0502-SSXX	Total/NA	Solid	3050B	
240-37801-12 MSD	LLI01-66SE-0502-SSXX	Total/NA	Solid	3050B	
240-37801-13	LLI01-45SW-0005-SSXX	Total/NA	Solid	3050B	
240-37801-14	LLI01-45SW-0502-SSXX	Total/NA	Solid	3050B	
240-37801-15	LLI01-45NW-0005-SSXX	Total/NA	Solid	3050B	
240-37801-16	LLI01-45NW-0502-SSXX	Total/NA	Solid	3050B	
240-37801-17	LLI01-44NW-0005-SSXX	Total/NA	Solid	3050B	
240-37801-18	LLI01-44NW-0502-SSXX	Total/NA	Solid	3050B	
240-37801-19	LLI01-44SW-0005-SSXX	Total/NA	Solid	3050B	
240-37801-20	LLI01-44SW-0502-SSXX	Total/NA	Solid	3050B	
240-37801-21	LLI01-40NW-0005-SSXX	Total/NA	Solid	3050B	
240-37801-22	LLI01-40NW-0502-SSXX	Total/NA	Solid	3050B	
240-37801-23	LLI01-36NE-0005-SSXX	Total/NA	Solid	3050B	
240-37801-24	LLI01-36NE-0502-SSXX	Total/NA	Solid	3050B	
240-37801-25	LLI01-36NW-0005-SSXX	Total/NA	Solid	3050B	
240-37801-26	LLI01-36NW-0502-SSXX	Total/NA	Solid	3050B	
240-37801-27	LLI01-35NE-0005-SSXX	Total/NA	Solid	3050B	
240-37801-28	LLI01-35NE-0502-SSXX	Total/NA	Solid	3050B	
240-37801-29	LLI01-35NW-0005-SSXX	Total/NA	Solid	3050B	
240-37801-30	LLI01-35NW-0502-SSXX	Total/NA	Solid	3050B	
LCS 240-132720/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 240-132720/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 132864

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-37798-1	LLI01-27SE-0005-SSXX	Total/NA	Solid	6010B	132505
240-37798-1 MS	LLI01-27SE-0005-SSXX	Total/NA	Solid	6010B	132505

TestAmerica Canton

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Metals (Continued)

Analysis Batch: 132864 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-37798-1 MSD	LLI01-27SE-0005-SSXX	Total/NA	Solid	6010B	132505
240-37798-2	LLI01-27SE-0502-SSXX	Total/NA	Solid	6010B	132505
240-37798-3	LLI01-20SE-0005-SSXX	Total/NA	Solid	6010B	132505
240-37798-4	LLI01-20SE-0502-SSXX	Total/NA	Solid	6010B	132505
240-37798-5	LLI01-19SE-0005-SSXX	Total/NA	Solid	6010B	132505
240-37798-6	LLI01-19SE-0502-SSXX	Total/NA	Solid	6010B	132505
240-37798-7	LLI01-12SE-0005-SSXX	Total/NA	Solid	6010B	132505
240-37798-8	LLI01-12SE-0502-SSXX	Total/NA	Solid	6010B	132505
240-37798-10	LLI01-01NE-0502-SSXX	Total/NA	Solid	6010B	132505
240-37799-1	LLI01-41NW-0005-SSXX	Total/NA	Solid	6010B	132505
240-37799-2	LLI01-41NW-0502-SSXX	Total/NA	Solid	6010B	132505
240-37799-3	LLI01-41NW-0205-SSXX	Total/NA	Solid	6010B	132505
240-37799-4	LLI01-32SE-0005-SSXX	Total/NA	Solid	6010B	132505
240-37799-5	LLI01-32SE-0502-SSXX	Total/NA	Solid	6010B	132505
240-37799-6	LLI01-32SE-0205-SSXX	Total/NA	Solid	6010B	132505
240-37799-7	LLI01-24SE-0005-SSXX	Total/NA	Solid	6010B	132505
240-37799-8	LLI01-24SE-0502-SSXX	Total/NA	Solid	6010B	132505
240-37799-9	LLI01-24SE-0205-SSXX	Total/NA	Solid	6010B	132505
240-37799-10	LLI01-26SW-0005-SSXX	Total/NA	Solid	6010B	132505
LCS 240-132505/2-A	Lab Control Sample	Total/NA	Solid	6010B	132505
MB 240-132505/1-A	Method Blank	Total/NA	Solid	6010B	132505

Analysis Batch: 133059

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-37799-17	LLI01-34NE-0502-SSXX	Total/NA	Solid	6010B	132506
240-37801-2	LLI01-31SW-0502-SSXX	Total/NA	Solid	6010B	132506
240-37801-5	LLI01-39SW-0005-SSXX	Total/NA	Solid	6010B	132506
240-37801-8	LLI01-39NE-0502-SSXX	Total/NA	Solid	6010B	132506
240-37801-12	LLI01-66SE-0502-SSXX	Total/NA	Solid	6010B	132720
240-37801-12 MS	LLI01-66SE-0502-SSXX	Total/NA	Solid	6010B	132720
240-37801-12 MSD	LLI01-66SE-0502-SSXX	Total/NA	Solid	6010B	132720
240-37801-16	LLI01-45NW-0502-SSXX	Total/NA	Solid	6010B	132720
240-37801-20	LLI01-44SW-0502-SSXX	Total/NA	Solid	6010B	132720
240-37801-21	LLI01-40NW-0005-SSXX	Total/NA	Solid	6010B	132720
240-37801-22	LLI01-40NW-0502-SSXX	Total/NA	Solid	6010B	132720
240-37801-23	LLI01-36NE-0005-SSXX	Total/NA	Solid	6010B	132720
240-37801-24	LLI01-36NE-0502-SSXX	Total/NA	Solid	6010B	132720
240-37801-28	LLI01-35NE-0502-SSXX	Total/NA	Solid	6010B	132720
LCS 240-132720/2-A	Lab Control Sample	Total/NA	Solid	6010B	132720
MB 240-132720/1-A	Method Blank	Total/NA	Solid	6010B	132720

Analysis Batch: 133064

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-37798-9	LLI01-01NE-0005-SSXX	Total/NA	Solid	6010B	132505

Analysis Batch: 133244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-37801-13	LLI01-45SW-0005-SSXX	Total/NA	Solid	6010B	132720
240-37801-14	LLI01-45SW-0502-SSXX	Total/NA	Solid	6010B	132720
240-37801-15	LLI01-45NW-0005-SSXX	Total/NA	Solid	6010B	132720
240-37801-17	LLI01-44NW-0005-SSXX	Total/NA	Solid	6010B	132720

TestAmerica Canton

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Metals (Continued)

Analysis Batch: 133244 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-37801-18	LLI01-44NW-0502-SSXX	Total/NA	Solid	6010B	132720
240-37801-19	LLI01-44SW-0005-SSXX	Total/NA	Solid	6010B	132720
240-37801-23	LLI01-36NE-0005-SSXX	Total/NA	Solid	6010B	132720
240-37801-24	LLI01-36NE-0502-SSXX	Total/NA	Solid	6010B	132720
240-37801-25	LLI01-36NW-0005-SSXX	Total/NA	Solid	6010B	132720
240-37801-26	LLI01-36NW-0502-SSXX	Total/NA	Solid	6010B	132720
240-37801-27	LLI01-35NE-0005-SSXX	Total/NA	Solid	6010B	132720
240-37801-29	LLI01-35NW-0005-SSXX	Total/NA	Solid	6010B	132720
240-37801-30	LLI01-35NW-0502-SSXX	Total/NA	Solid	6010B	132720

General Chemistry

Analysis Batch: 132586

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-37799-1	LLI01-41NW-0005-SSXX	Total/NA	Solid	Moisture	
240-37799-2	LLI01-41NW-0502-SSXX	Total/NA	Solid	Moisture	
240-37799-3	LLI01-41NW-0205-SSXX	Total/NA	Solid	Moisture	
240-37799-4	LLI01-32SE-0005-SSXX	Total/NA	Solid	Moisture	
240-37799-5	LLI01-32SE-0502-SSXX	Total/NA	Solid	Moisture	
240-37799-6	LLI01-32SE-0205-SSXX	Total/NA	Solid	Moisture	
240-37799-7	LLI01-24SE-0005-SSXX	Total/NA	Solid	Moisture	
240-37799-8	LLI01-24SE-0502-SSXX	Total/NA	Solid	Moisture	
240-37799-9	LLI01-24SE-0205-SSXX	Total/NA	Solid	Moisture	
240-37799-9 DU	LLI01-24SE-0205-SSXX	Total/NA	Solid	Moisture	
240-37799-10	LLI01-26SW-0005-SSXX	Total/NA	Solid	Moisture	
240-37799-11	LLI01-26SW-0502-SSXX	Total/NA	Solid	Moisture	
240-37799-12	LLI01-26NE-0005-SSXX	Total/NA	Solid	Moisture	
240-37799-13	LLI01-26NE-0502-SSXX	Total/NA	Solid	Moisture	
240-37799-14	LLI01-34SE-0005-SSXX	Total/NA	Solid	Moisture	
240-37799-15	LLI01-34SE-0502-SSXX	Total/NA	Solid	Moisture	
240-37799-16	LLI01-34NE-0005-SSXX	Total/NA	Solid	Moisture	
240-37799-17	LLI01-34NE-0502-SSXX	Total/NA	Solid	Moisture	
240-37799-18	LLI01-64NW-0005-SSXX	Total/NA	Solid	Moisture	
240-37799-19	LLI01-64NW-0502-SSXX	Total/NA	Solid	Moisture	
240-37799-19 DU	LLI01-64NW-0502-SSXX	Total/NA	Solid	Moisture	
240-37801-1	LLI01-31SW-0005-SSXX	Total/NA	Solid	Moisture	
240-37801-2	LLI01-31SW-0502-SSXX	Total/NA	Solid	Moisture	
240-37801-3	LLI01-30SE-0005-SSXX	Total/NA	Solid	Moisture	
240-37801-4	LLI01-30SE-0502-SSXX	Total/NA	Solid	Moisture	
240-37801-5	LLI01-39SW-0005-SSXX	Total/NA	Solid	Moisture	
240-37801-6	LLI01-39SW-0502-SSXX	Total/NA	Solid	Moisture	
240-37801-7	LLI01-39NE-0005-SSXX	Total/NA	Solid	Moisture	
240-37801-8	LLI01-39NE-0502-SSXX	Total/NA	Solid	Moisture	
240-37801-9	LLI01-57SE-0005-SSXX	Total/NA	Solid	Moisture	
240-37801-10	LLI01-57SE-0502-SSXX	Total/NA	Solid	Moisture	
240-37801-10 DU	LLI01-57SE-0502-SSXX	Total/NA	Solid	Moisture	
240-37801-11	LLI01-66SE-0005-SSXX	Total/NA	Solid	Moisture	
240-37801-12	LLI01-66SE-0502-SSXX	Total/NA	Solid	Moisture	
240-37801-13	LLI01-45SW-0005-SSXX	Total/NA	Solid	Moisture	
240-37801-14	LLI01-45SW-0502-SSXX	Total/NA	Solid	Moisture	

TestAmerica Canton

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

General Chemistry (Continued)

Analysis Batch: 132586 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-37801-15	LLI01-45NW-0005-SSXX	Total/NA	Solid	Moisture	
240-37801-16	LLI01-45NW-0502-SSXX	Total/NA	Solid	Moisture	
240-37801-17	LLI01-44NW-0005-SSXX	Total/NA	Solid	Moisture	
240-37801-18	LLI01-44NW-0502-SSXX	Total/NA	Solid	Moisture	
240-37801-19	LLI01-44SW-0005-SSXX	Total/NA	Solid	Moisture	
240-37801-20	LLI01-44SW-0502-SSXX	Total/NA	Solid	Moisture	
240-37801-20 DU	LLI01-44SW-0502-SSXX	Total/NA	Solid	Moisture	
240-37801-21	LLI01-40NW-0005-SSXX	Total/NA	Solid	Moisture	
240-37801-22	LLI01-40NW-0502-SSXX	Total/NA	Solid	Moisture	
240-37801-23	LLI01-36NE-0005-SSXX	Total/NA	Solid	Moisture	
240-37801-24	LLI01-36NE-0502-SSXX	Total/NA	Solid	Moisture	
240-37801-25	LLI01-36NW-0005-SSXX	Total/NA	Solid	Moisture	
240-37801-26	LLI01-36NW-0502-SSXX	Total/NA	Solid	Moisture	
240-37801-27	LLI01-35NE-0005-SSXX	Total/NA	Solid	Moisture	
240-37801-28	LLI01-35NE-0502-SSXX	Total/NA	Solid	Moisture	
240-37801-29	LLI01-35NW-0005-SSXX	Total/NA	Solid	Moisture	
240-37801-30	LLI01-35NW-0502-SSXX	Total/NA	Solid	Moisture	
240-37801-30 DU	LLI01-35NW-0502-SSXX	Total/NA	Solid	Moisture	

Analysis Batch: 132710

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-37798-1	LLI01-27SE-0005-SSXX	Total/NA	Solid	Moisture	
240-37798-1 DU	LLI01-27SE-0005-SSXX	Total/NA	Solid	Moisture	
240-37798-2	LLI01-27SE-0502-SSXX	Total/NA	Solid	Moisture	
240-37798-3	LLI01-20SE-0005-SSXX	Total/NA	Solid	Moisture	
240-37798-4	LLI01-20SE-0502-SSXX	Total/NA	Solid	Moisture	
240-37798-5	LLI01-19SE-0005-SSXX	Total/NA	Solid	Moisture	
240-37798-6	LLI01-19SE-0502-SSXX	Total/NA	Solid	Moisture	
240-37798-7	LLI01-12SE-0005-SSXX	Total/NA	Solid	Moisture	
240-37798-8	LLI01-12SE-0502-SSXX	Total/NA	Solid	Moisture	
240-37798-9	LLI01-01NE-0005-SSXX	Total/NA	Solid	Moisture	
240-37798-10	LLI01-01NE-0502-SSXX	Total/NA	Solid	Moisture	

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-27SE-0005-SSXX

Date Collected: 05/21/14 08:23

Date Received: 05/28/14 10:00

Lab Sample ID: 240-37798-1

Matrix: Solid

Percent Solids: 75.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			132505	05/29/14 09:20	ADS	TAL CAN
Total/NA	Analysis	6010B		10	132864	05/30/14 16:35	NJT	TAL CAN
Total/NA	Analysis	Moisture		1	132710	05/30/14 09:57	NJE	TAL CAN

Client Sample ID: LLI01-27SE-0502-SSXX

Date Collected: 05/21/14 08:24

Date Received: 05/28/14 10:00

Lab Sample ID: 240-37798-2

Matrix: Solid

Percent Solids: 69.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			132505	05/29/14 09:20	ADS	TAL CAN
Total/NA	Analysis	6010B		10	132864	05/30/14 16:51	NJT	TAL CAN
Total/NA	Analysis	Moisture		1	132710	05/30/14 09:57	NJE	TAL CAN

Client Sample ID: LLI01-20SE-0005-SSXX

Date Collected: 05/21/14 08:32

Date Received: 05/28/14 10:00

Lab Sample ID: 240-37798-3

Matrix: Solid

Percent Solids: 92.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			132505	05/29/14 09:20	ADS	TAL CAN
Total/NA	Analysis	6010B		10	132864	05/30/14 16:55	NJT	TAL CAN
Total/NA	Analysis	Moisture		1	132710	05/30/14 09:57	NJE	TAL CAN

Client Sample ID: LLI01-20SE-0502-SSXX

Date Collected: 05/21/14 08:33

Date Received: 05/28/14 10:00

Lab Sample ID: 240-37798-4

Matrix: Solid

Percent Solids: 87.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			132505	05/29/14 09:20	ADS	TAL CAN
Total/NA	Analysis	6010B		10	132864	05/30/14 17:07	NJT	TAL CAN
Total/NA	Analysis	Moisture		1	132710	05/30/14 09:57	NJE	TAL CAN

Client Sample ID: LLI01-19SE-0005-SSXX

Date Collected: 05/21/14 08:44

Date Received: 05/28/14 10:00

Lab Sample ID: 240-37798-5

Matrix: Solid

Percent Solids: 78.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			132505	05/29/14 09:20	ADS	TAL CAN
Total/NA	Analysis	6010B		10	132864	05/30/14 17:11	NJT	TAL CAN
Total/NA	Analysis	Moisture		1	132710	05/30/14 09:57	NJE	TAL CAN

TestAmerica Canton

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-19SE-0502-SSXX

Lab Sample ID: 240-37798-6

Date Collected: 05/21/14 08:45

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 83.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			132505	05/29/14 09:20	ADS	TAL CAN
Total/NA	Analysis	6010B		10	132864	05/30/14 17:15	NJT	TAL CAN
Total/NA	Analysis	Moisture		1	132710	05/30/14 09:57	NJE	TAL CAN

Client Sample ID: LLI01-12SE-0005-SSXX

Lab Sample ID: 240-37798-7

Date Collected: 05/21/14 09:00

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 84.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			132505	05/29/14 09:20	ADS	TAL CAN
Total/NA	Analysis	6010B		1	132864	05/30/14 17:19	NJT	TAL CAN
Total/NA	Analysis	Moisture		1	132710	05/30/14 09:57	NJE	TAL CAN

Client Sample ID: LLI01-12SE-0502-SSXX

Lab Sample ID: 240-37798-8

Date Collected: 05/21/14 09:01

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			132505	05/29/14 09:20	ADS	TAL CAN
Total/NA	Analysis	6010B		1	132864	05/30/14 17:23	NJT	TAL CAN
Total/NA	Analysis	Moisture		1	132710	05/30/14 09:57	NJE	TAL CAN

Client Sample ID: LLI01-01NE-0005-SSXX

Lab Sample ID: 240-37798-9

Date Collected: 05/21/14 09:11

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 94.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			132505	05/29/14 09:20	ADS	TAL CAN
Total/NA	Analysis	6010B		5	133064	06/02/14 14:06	NJT	TAL CAN
Total/NA	Analysis	Moisture		1	132710	05/30/14 10:01	NJE	TAL CAN

Client Sample ID: LLI01-01NE-0502-SSXX

Lab Sample ID: 240-37798-10

Date Collected: 05/21/14 09:12

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 92.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			132505	05/29/14 09:20	ADS	TAL CAN
Total/NA	Analysis	6010B		5	132864	05/30/14 17:36	NJT	TAL CAN
Total/NA	Analysis	Moisture		1	132710	05/30/14 10:01	NJE	TAL CAN

TestAmerica Canton

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-41NW-0005-SSXX

Lab Sample ID: 240-37799-1

Date Collected: 05/19/14 12:09

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 84.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			132505	05/29/14 09:20	ADS	TAL CAN
Total/NA	Analysis	6010B		1	132864	05/30/14 17:40	NJT	TAL CAN
Total/NA	Analysis	Moisture		1	132586	05/29/14 14:45	BLW	TAL CAN

Client Sample ID: LLI01-41NW-0502-SSXX

Lab Sample ID: 240-37799-2

Date Collected: 05/19/14 12:10

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 90.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			132505	05/29/14 09:20	ADS	TAL CAN
Total/NA	Analysis	6010B		1	132864	05/30/14 17:44	NJT	TAL CAN
Total/NA	Analysis	Moisture		1	132586	05/29/14 14:45	BLW	TAL CAN

Client Sample ID: LLI01-41NW-0205-SSXX

Lab Sample ID: 240-37799-3

Date Collected: 05/19/14 12:11

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 85.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			132505	05/29/14 09:20	ADS	TAL CAN
Total/NA	Analysis	6010B		1	132864	05/30/14 17:55	NJT	TAL CAN
Total/NA	Analysis	Moisture		1	132586	05/29/14 14:45	BLW	TAL CAN

Client Sample ID: LLI01-32SE-0005-SSXX

Lab Sample ID: 240-37799-4

Date Collected: 05/19/14 13:21

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 81.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			132505	05/29/14 09:20	ADS	TAL CAN
Total/NA	Analysis	6010B		1	132864	05/30/14 17:59	NJT	TAL CAN
Total/NA	Analysis	Moisture		1	132586	05/29/14 14:45	BLW	TAL CAN

Client Sample ID: LLI01-32SE-0502-SSXX

Lab Sample ID: 240-37799-5

Date Collected: 05/19/14 13:22

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 82.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			132505	05/29/14 09:20	ADS	TAL CAN
Total/NA	Analysis	6010B		1	132864	05/30/14 18:03	NJT	TAL CAN
Total/NA	Analysis	Moisture		1	132586	05/29/14 14:45	BLW	TAL CAN

TestAmerica Canton

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-32SE-0205-SSXX

Lab Sample ID: 240-37799-6

Date Collected: 05/19/14 13:23

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 81.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			132505	05/29/14 09:20	ADS	TAL CAN
Total/NA	Analysis	6010B		1	132864	05/30/14 18:07	NJT	TAL CAN
Total/NA	Analysis	Moisture		1	132586	05/29/14 14:45	BLW	TAL CAN

Client Sample ID: LLI01-24SE-0005-SSXX

Lab Sample ID: 240-37799-7

Date Collected: 05/19/14 14:09

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 91.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			132505	05/29/14 09:20	ADS	TAL CAN
Total/NA	Analysis	6010B		1	132864	05/30/14 18:11	NJT	TAL CAN
Total/NA	Analysis	Moisture		1	132586	05/29/14 14:45	BLW	TAL CAN

Client Sample ID: LLI01-24SE-0502-SSXX

Lab Sample ID: 240-37799-8

Date Collected: 05/19/14 14:10

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 83.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			132505	05/29/14 09:20	ADS	TAL CAN
Total/NA	Analysis	6010B		1	132864	05/30/14 18:15	NJT	TAL CAN
Total/NA	Analysis	Moisture		1	132586	05/29/14 14:45	BLW	TAL CAN

Client Sample ID: LLI01-24SE-0205-SSXX

Lab Sample ID: 240-37799-9

Date Collected: 05/19/14 14:11

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 85.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			132505	05/29/14 09:20	ADS	TAL CAN
Total/NA	Analysis	6010B		1	132864	05/30/14 18:20	NJT	TAL CAN
Total/NA	Analysis	Moisture		1	132586	05/29/14 14:45	BLW	TAL CAN

Client Sample ID: LLI01-26SW-0005-SSXX

Lab Sample ID: 240-37799-10

Date Collected: 05/19/14 14:40

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 72.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			132505	05/29/14 09:20	ADS	TAL CAN
Total/NA	Analysis	6010B		10	132864	05/30/14 18:23	NJT	TAL CAN
Total/NA	Analysis	Moisture		1	132586	05/29/14 14:45	BLW	TAL CAN

TestAmerica Canton

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-26SW-0502-SSXX

Lab Sample ID: 240-37799-11

Date Collected: 05/19/14 14:41

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 87.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			132506	05/29/14 09:24	ADS	TAL CAN
Total/NA	Analysis	6010B		1	132714	05/30/14 17:44	KLC	TAL CAN
Total/NA	Analysis	Moisture		1	132586	05/29/14 14:45	BLW	TAL CAN

Client Sample ID: LLI01-26NE-0005-SSXX

Lab Sample ID: 240-37799-12

Date Collected: 05/19/14 14:56

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 85.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			132506	05/29/14 09:24	ADS	TAL CAN
Total/NA	Analysis	6010B		1	132714	05/30/14 18:04	KLC	TAL CAN
Total/NA	Analysis	Moisture		1	132586	05/29/14 14:45	BLW	TAL CAN

Client Sample ID: LLI01-26NE-0502-SSXX

Lab Sample ID: 240-37799-13

Date Collected: 05/19/14 14:57

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 78.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			132506	05/29/14 09:24	ADS	TAL CAN
Total/NA	Analysis	6010B		1	132714	05/30/14 18:16	KLC	TAL CAN
Total/NA	Analysis	Moisture		1	132586	05/29/14 14:45	BLW	TAL CAN

Client Sample ID: LLI01-34SE-0005-SSXX

Lab Sample ID: 240-37799-14

Date Collected: 05/19/14 15:34

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 86.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			132506	05/29/14 09:24	ADS	TAL CAN
Total/NA	Analysis	6010B		1	132714	05/30/14 18:20	KLC	TAL CAN
Total/NA	Analysis	Moisture		1	132586	05/29/14 14:45	BLW	TAL CAN

Client Sample ID: LLI01-34SE-0502-SSXX

Lab Sample ID: 240-37799-15

Date Collected: 05/19/14 15:35

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 88.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			132506	05/29/14 09:24	ADS	TAL CAN
Total/NA	Analysis	6010B		1	132714	05/30/14 18:24	KLC	TAL CAN
Total/NA	Analysis	Moisture		1	132586	05/29/14 14:45	BLW	TAL CAN

TestAmerica Canton

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-34NE-0005-SSXX

Lab Sample ID: 240-37799-16

Date Collected: 05/19/14 15:55

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 86.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			132506	05/29/14 09:24	ADS	TAL CAN
Total/NA	Analysis	6010B		1	132714	05/30/14 18:28	KLC	TAL CAN
Total/NA	Analysis	Moisture		1	132586	05/29/14 14:45	BLW	TAL CAN

Client Sample ID: LLI01-34NE-0502-SSXX

Lab Sample ID: 240-37799-17

Date Collected: 05/19/14 15:56

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 83.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			132506	05/29/14 09:24	ADS	TAL CAN
Total/NA	Analysis	6010B		5	133059	06/02/14 11:13	KLC	TAL CAN
Total/NA	Analysis	Moisture		1	132586	05/29/14 14:45	BLW	TAL CAN

Client Sample ID: LLI01-64NW-0005-SSXX

Lab Sample ID: 240-37799-18

Date Collected: 05/19/14 16:42

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 83.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			132506	05/29/14 09:24	ADS	TAL CAN
Total/NA	Analysis	6010B		2	132714	05/30/14 18:36	KLC	TAL CAN
Total/NA	Analysis	Moisture		1	132586	05/29/14 14:45	BLW	TAL CAN

Client Sample ID: LLI01-64NW-0502-SSXX

Lab Sample ID: 240-37799-19

Date Collected: 05/19/14 16:43

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 88.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			132506	05/29/14 09:24	ADS	TAL CAN
Total/NA	Analysis	6010B		1	132714	05/30/14 18:41	KLC	TAL CAN
Total/NA	Analysis	Moisture		1	132586	05/29/14 14:45	BLW	TAL CAN

Client Sample ID: LLI01-31SW-0005-SSXX

Lab Sample ID: 240-37801-1

Date Collected: 05/20/14 11:22

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 55.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			132506	05/29/14 09:24	ADS	TAL CAN
Total/NA	Analysis	6010B		1	132714	05/30/14 18:45	KLC	TAL CAN
Total/NA	Analysis	Moisture		1	132586	05/29/14 14:45	BLW	TAL CAN

TestAmerica Canton

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-31SW-0502-SSXX

Lab Sample ID: 240-37801-2

Date Collected: 05/20/14 11:28

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 70.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			132506	05/29/14 09:24	ADS	TAL CAN
Total/NA	Analysis	6010B		5	133059	06/02/14 11:25	KLC	TAL CAN
Total/NA	Analysis	Moisture		1	132586	05/29/14 14:45	BLW	TAL CAN

Client Sample ID: LLI01-30SE-0005-SSXX

Lab Sample ID: 240-37801-3

Date Collected: 05/20/14 14:00

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 77.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			132506	05/29/14 09:24	ADS	TAL CAN
Total/NA	Analysis	6010B		1	132714	05/30/14 18:53	KLC	TAL CAN
Total/NA	Analysis	Moisture		1	132586	05/29/14 14:45	BLW	TAL CAN

Client Sample ID: LLI01-30SE-0502-SSXX

Lab Sample ID: 240-37801-4

Date Collected: 05/20/14 14:01

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 82.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			132506	05/29/14 09:24	ADS	TAL CAN
Total/NA	Analysis	6010B		1	132714	05/30/14 19:06	KLC	TAL CAN
Total/NA	Analysis	Moisture		1	132586	05/29/14 14:45	BLW	TAL CAN

Client Sample ID: LLI01-39SW-0005-SSXX

Lab Sample ID: 240-37801-5

Date Collected: 05/20/14 14:17

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 87.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			132506	05/29/14 09:24	ADS	TAL CAN
Total/NA	Analysis	6010B		5	133059	06/02/14 11:29	KLC	TAL CAN
Total/NA	Analysis	Moisture		1	132586	05/29/14 14:45	BLW	TAL CAN

Client Sample ID: LLI01-39SW-0502-SSXX

Lab Sample ID: 240-37801-6

Date Collected: 05/20/14 14:18

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			132506	05/29/14 09:24	ADS	TAL CAN
Total/NA	Analysis	6010B		1	132714	05/30/14 19:14	KLC	TAL CAN
Total/NA	Analysis	Moisture		1	132586	05/29/14 15:13	BLW	TAL CAN

TestAmerica Canton

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-39NE-0005-SSXX

Lab Sample ID: 240-37801-7

Date Collected: 05/20/14 14:32

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 84.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			132506	05/29/14 09:24	ADS	TAL CAN
Total/NA	Analysis	6010B		1	132714	05/30/14 19:18	KLC	TAL CAN
Total/NA	Analysis	Moisture		1	132586	05/29/14 15:13	BLW	TAL CAN

Client Sample ID: LLI01-39NE-0502-SSXX

Lab Sample ID: 240-37801-8

Date Collected: 05/20/14 14:33

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 85.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			132506	05/29/14 09:24	ADS	TAL CAN
Total/NA	Analysis	6010B		5	133059	06/02/14 11:33	KLC	TAL CAN
Total/NA	Analysis	Moisture		1	132586	05/29/14 15:13	BLW	TAL CAN

Client Sample ID: LLI01-57SE-0005-SSXX

Lab Sample ID: 240-37801-9

Date Collected: 05/20/14 14:47

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 79.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			132506	05/29/14 09:24	ADS	TAL CAN
Total/NA	Analysis	6010B		1	132714	05/30/14 19:27	KLC	TAL CAN
Total/NA	Analysis	Moisture		1	132586	05/29/14 15:13	BLW	TAL CAN

Client Sample ID: LLI01-57SE-0502-SSXX

Lab Sample ID: 240-37801-10

Date Collected: 05/20/14 14:48

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 81.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			132506	05/29/14 09:24	ADS	TAL CAN
Total/NA	Analysis	6010B		1	132714	05/30/14 19:31	KLC	TAL CAN
Total/NA	Analysis	Moisture		1	132586	05/29/14 15:13	BLW	TAL CAN

Client Sample ID: LLI01-66SE-0005-SSXX

Lab Sample ID: 240-37801-11

Date Collected: 05/20/14 15:21

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 84.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			132506	05/29/14 09:24	ADS	TAL CAN
Total/NA	Analysis	6010B		1	132714	05/30/14 19:34	KLC	TAL CAN
Total/NA	Analysis	Moisture		1	132586	05/29/14 15:13	BLW	TAL CAN

TestAmerica Canton

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-66SE-0502-SSXX

Lab Sample ID: 240-37801-12

Date Collected: 05/20/14 15:22

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 83.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			132720	05/30/14 10:41	AMM2	TAL CAN
Total/NA	Analysis	6010B		1	133059	06/02/14 16:01	KLC	TAL CAN
Total/NA	Analysis	Moisture		1	132586	05/29/14 15:13	BLW	TAL CAN

Client Sample ID: LLI01-45SW-0005-SSXX

Lab Sample ID: 240-37801-13

Date Collected: 05/20/14 15:46

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 83.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			132720	05/30/14 10:41	AMM2	TAL CAN
Total/NA	Analysis	6010B		10	133244	06/03/14 10:44	KLC	TAL CAN
Total/NA	Analysis	Moisture		1	132586	05/29/14 15:13	BLW	TAL CAN

Client Sample ID: LLI01-45SW-0502-SSXX

Lab Sample ID: 240-37801-14

Date Collected: 05/20/14 15:47

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 90.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			132720	05/30/14 10:41	AMM2	TAL CAN
Total/NA	Analysis	6010B		10	133244	06/03/14 10:48	KLC	TAL CAN
Total/NA	Analysis	Moisture		1	132586	05/29/14 15:13	BLW	TAL CAN

Client Sample ID: LLI01-45NW-0005-SSXX

Lab Sample ID: 240-37801-15

Date Collected: 05/20/14 15:52

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 88.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			132720	05/30/14 10:41	AMM2	TAL CAN
Total/NA	Analysis	6010B		10	133244	06/03/14 10:52	KLC	TAL CAN
Total/NA	Analysis	Moisture		1	132586	05/29/14 15:13	BLW	TAL CAN

Client Sample ID: LLI01-45NW-0502-SSXX

Lab Sample ID: 240-37801-16

Date Collected: 05/20/14 15:53

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 89.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			132720	05/30/14 10:41	AMM2	TAL CAN
Total/NA	Analysis	6010B		1	133059	06/02/14 16:43	KLC	TAL CAN
Total/NA	Analysis	Moisture		1	132586	05/29/14 15:13	BLW	TAL CAN

TestAmerica Canton

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-44NW-0005-SSXX

Lab Sample ID: 240-37801-17

Date Collected: 05/20/14 16:03

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			132720	05/30/14 10:41	AMM2	TAL CAN
Total/NA	Analysis	6010B		50	133244	06/03/14 10:56	KLC	TAL CAN
Total/NA	Analysis	Moisture		1	132586	05/29/14 15:13	BLW	TAL CAN

Client Sample ID: LLI01-44NW-0502-SSXX

Lab Sample ID: 240-37801-18

Date Collected: 05/20/14 16:04

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			132720	05/30/14 10:41	AMM2	TAL CAN
Total/NA	Analysis	6010B		2	133244	06/03/14 11:00	KLC	TAL CAN
Total/NA	Analysis	Moisture		1	132586	05/29/14 15:13	BLW	TAL CAN

Client Sample ID: LLI01-44SW-0005-SSXX

Lab Sample ID: 240-37801-19

Date Collected: 05/20/14 16:16

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 87.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			132720	05/30/14 10:41	AMM2	TAL CAN
Total/NA	Analysis	6010B		10	133244	06/03/14 11:04	KLC	TAL CAN
Total/NA	Analysis	Moisture		1	132586	05/29/14 15:13	BLW	TAL CAN

Client Sample ID: LLI01-44SW-0502-SSXX

Lab Sample ID: 240-37801-20

Date Collected: 05/20/14 16:17

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 84.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			132720	05/30/14 10:41	AMM2	TAL CAN
Total/NA	Analysis	6010B		1	133059	06/02/14 16:59	KLC	TAL CAN
Total/NA	Analysis	Moisture		1	132586	05/29/14 15:13	BLW	TAL CAN

Client Sample ID: LLI01-40NW-0005-SSXX

Lab Sample ID: 240-37801-21

Date Collected: 05/20/14 16:51

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 88.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			132720	05/30/14 10:41	AMM2	TAL CAN
Total/NA	Analysis	6010B		1	133059	06/02/14 17:11	KLC	TAL CAN
Total/NA	Analysis	Moisture		1	132586	05/29/14 15:13	BLW	TAL CAN

TestAmerica Canton

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-40NW-0502-SSXX

Lab Sample ID: 240-37801-22

Date Collected: 05/20/14 16:52

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 91.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			132720	05/30/14 10:41	AMM2	TAL CAN
Total/NA	Analysis	6010B		1	133059	06/02/14 17:15	KLC	TAL CAN
Total/NA	Analysis	Moisture		1	132586	05/29/14 15:13	BLW	TAL CAN

Client Sample ID: LLI01-36NE-0005-SSXX

Lab Sample ID: 240-37801-23

Date Collected: 05/20/14 17:08

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 84.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			132720	05/30/14 10:41	AMM2	TAL CAN
Total/NA	Analysis	6010B		1	133059	06/02/14 17:19	KLC	TAL CAN
Total/NA	Prep	3050B			132720	05/30/14 10:41	AMM2	TAL CAN
Total/NA	Analysis	6010B		10	133244	06/03/14 11:09	KLC	TAL CAN
Total/NA	Analysis	Moisture		1	132586	05/29/14 15:13	BLW	TAL CAN

Client Sample ID: LLI01-36NE-0502-SSXX

Lab Sample ID: 240-37801-24

Date Collected: 05/20/14 17:09

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 84.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			132720	05/30/14 10:41	AMM2	TAL CAN
Total/NA	Analysis	6010B		1	133059	06/02/14 17:23	KLC	TAL CAN
Total/NA	Prep	3050B			132720	05/30/14 10:41	AMM2	TAL CAN
Total/NA	Analysis	6010B		5	133244	06/03/14 11:13	KLC	TAL CAN
Total/NA	Analysis	Moisture		1	132586	05/29/14 15:23	BLW	TAL CAN

Client Sample ID: LLI01-36NW-0005-SSXX

Lab Sample ID: 240-37801-25

Date Collected: 05/20/14 17:17

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 91.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			132720	05/30/14 10:41	AMM2	TAL CAN
Total/NA	Analysis	6010B		5	133244	06/03/14 11:17	KLC	TAL CAN
Total/NA	Analysis	Moisture		1	132586	05/29/14 15:23	BLW	TAL CAN

Client Sample ID: LLI01-36NW-0502-SSXX

Lab Sample ID: 240-37801-26

Date Collected: 05/20/14 17:18

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 86.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			132720	05/30/14 10:41	AMM2	TAL CAN
Total/NA	Analysis	6010B		10	133244	06/03/14 11:29	KLC	TAL CAN

TestAmerica Canton

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Client Sample ID: LLI01-36NW-0502-SSXX

Lab Sample ID: 240-37801-26

Date Collected: 05/20/14 17:18

Matrix: Solid

Date Received: 05/28/14 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	132586	05/29/14 15:23	BLW	TAL CAN

Client Sample ID: LLI01-35NE-0005-SSXX

Lab Sample ID: 240-37801-27

Date Collected: 05/20/14 17:33

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 86.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			132720	05/30/14 10:41	AMM2	TAL CAN
Total/NA	Analysis	6010B		10	133244	06/03/14 11:33	KLC	TAL CAN
Total/NA	Analysis	Moisture		1	132586	05/29/14 15:23	BLW	TAL CAN

Client Sample ID: LLI01-35NE-0502-SSXX

Lab Sample ID: 240-37801-28

Date Collected: 05/20/14 17:34

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			132720	05/30/14 10:41	AMM2	TAL CAN
Total/NA	Analysis	6010B		1	133059	06/02/14 17:40	KLC	TAL CAN
Total/NA	Analysis	Moisture		1	132586	05/29/14 15:23	BLW	TAL CAN

Client Sample ID: LLI01-35NW-0005-SSXX

Lab Sample ID: 240-37801-29

Date Collected: 05/20/14 17:43

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 90.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			132720	05/30/14 10:41	AMM2	TAL CAN
Total/NA	Analysis	6010B		5	133244	06/03/14 11:37	KLC	TAL CAN
Total/NA	Analysis	Moisture		1	132586	05/29/14 15:23	BLW	TAL CAN

Client Sample ID: LLI01-35NW-0502-SSXX

Lab Sample ID: 240-37801-30

Date Collected: 05/20/14 17:44

Matrix: Solid

Date Received: 05/28/14 10:00

Percent Solids: 88.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			132720	05/30/14 10:41	AMM2	TAL CAN
Total/NA	Analysis	6010B		5	133244	06/03/14 11:41	KLC	TAL CAN
Total/NA	Analysis	Moisture		1	132586	05/29/14 15:23	BLW	TAL CAN

Laboratory References:

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

TestAmerica Canton

Certification Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Honeywell Lake Linden, MI

TestAmerica Job ID: 240-37798-1

Laboratory: TestAmerica Canton

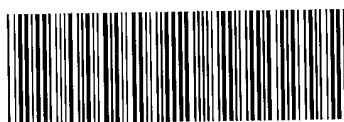
All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAP	9	01144CA	06-30-14 *
Connecticut	State Program	1	PH-0590	12-31-14
Florida	NELAP	4	E87225	06-30-14 *
Georgia	State Program	4	N/A	06-30-14 *
Illinois	NELAP	5	200004	07-31-14 *
Kansas	NELAP	7	E-10336	01-31-15
Kentucky (UST)	State Program	4	58	06-30-14 *
L-A-B	DoD ELAP		L2315	07-18-16
Minnesota	NELAP	5	039-999-348	12-31-14
Nevada	State Program	9	OH-000482008A	07-31-14 *
New Jersey	NELAP	2	OH001	06-30-14 *
New York	NELAP	2	10975	03-31-15
Ohio VAP	State Program	5	CL0024	10-31-15
Pennsylvania	NELAP	3	68-00340	08-31-14 *
Texas	NELAP	6		08-31-14
USDA	Federal		P330-13-00319	11-26-16
Virginia	NELAP	3	460175	09-14-14
Washington	State Program	10	C971	01-12-15
West Virginia DEP	State Program	3	210	12-31-14
Wisconsin	State Program	5	999518190	08-31-14 *

* Certification renewal pending - certification considered valid.

TestAmerica Canton

CHAIN OF CUSTODY AND RECEIVING DOCUMENTS



240-37798 Chain of Custody

Chain of Custody Record

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0408)		Client		Project Manager		Date		Chain of Custody Number	
AMEC		Mike McGowan		5/21/14		016082			
Address		Telephone Number (Area Code)/Fax Number		Lab Number		Page		of	
40850 Magellan Drive Suite 190		248-920-4008 / 248-920-4009		248-920-4009		1		1	
City		State		Zip Code		Analysis (Attach list if more space is needed)		Special Instructions/Conditions of Receipt	
Novi		MI		48377		Total Lead		Hold all totals for possible TCLP	
Project Name and Location (State)		Site Contact		Lab Contact		Total Arsenic			
Honeywell Lake Linden, MI		Bonnie Gurney		Mark Loeb		TCLP Arsenic			
Contract/Purchase Order/Quote No.		Carrier/Waybill Number		Containers & Preservatives		Matrix			
Sample I.D. No. and Description (Containers for each sample may be combined on one line)		Date		Time		Air		Aqueous	
U101- 275E-0005-SSXX		5/21/14		0823				X	
U101- 275E-0002-SSXX		5/21/14		0824				X	
U101- 205E-0005-SSXX		5/21/14		0832				X	
U101- 205E-0002-SSXX		5/21/14		0833				X	
U101- 195E-0005-SSXX		5/21/14		0844				X	
U101- 195E-0002-SSXX		5/21/14		0845				X	
U101- 125E-0005-SSXX		5/21/14		0900				X	
U101- 125E-0002-SSXX		5/21/14		0901				X	
U101- 01NE-0005-SSXX		5/21/14		0911				X	
U101- 01NE-0002-SSXX		5/21/14		0912				X	
Possible Hazard Identification		Sample Disposal		Archive For		Months		(A fee may be assessed if samples are retained longer than 1 month)	
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For		<input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 7 Days <input checked="" type="checkbox"/> 14 Days <input type="checkbox"/> 21 Days <input type="checkbox"/> Other		<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For		<input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 7 Days <input checked="" type="checkbox"/> 14 Days <input type="checkbox"/> 21 Days <input type="checkbox"/> Other		<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For	
Turn Around Time Required		QC Requirements (Specify)		1. Received By		Date		Time	
1. Relinquished By		2. Relinquished By		3. Received By		Date		Time	
5/27/14 1002		5/27/14 1002		5/27/14 1002		5/27/14 1002		5/27/14 1002	
5/27/14 1002		5/27/14 1002		5/27/14 1002		5/27/14 1002		5/27/14 1002	
5/27/14 1002		5/27/14 1002		5/27/14 1002		5/27/14 1002		5/27/14 1002	

TestAmerica Canton Sample Receipt Form/Narrative
Canton Facility

Login # : 37798

Client <u>Amec</u>		Site Name _____		Cooler unpacked by: <u>[Signature]</u>	
Cooler Received on <u>5-28-14</u>		Opened on <u>5-28-14</u>			
FedEx: 1 st Grd <u>Exp</u>		UPS	FAS	Stetson	Client Drop Off
TestAmerica Cooler # _____		Foam Box	Client Cooler	Box	Other <u>Other</u>
Packing material used: <u>Bubble Wrap</u>		Foam	Plastic Bag	None	Other _____
COOLANT: <u>Wet Ice</u>		Blue Ice	Dry Ice	Water	None

1. Cooler temperature upon receipt

IR GUN# A (CF +0 °C)	Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C
IR GUN# 4 (CF -1 °C)	Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C
IR GUN# 5 (CF +1 °C)	Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C
IR GUN# 8 (CF +1 °C)	Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C
2. Were custody seals on the outside of the cooler(s)? If Yes Quantity 2 Yes No
 - Were custody seals on the outside of the cooler(s) signed & dated? Yes No NA
 - Were custody seals on the bottle(s)? Yes No
3. Shippers' packing slip attached to the cooler(s)? Yes No
4. Did custody papers accompany the sample(s)? Yes No
5. Were the custody papers relinquished & signed in the appropriate place? Yes No
6. Did all bottles arrive in good condition (Unbroken)? Yes No
7. Could all bottle labels be reconciled with the COC? Yes No
8. Were correct bottle(s) used for the test(s) indicated? Yes No
9. Sufficient quantity received to perform indicated analyses? Yes No
10. Were sample(s) at the correct pH upon receipt? Yes No NA pH Strip Lot# HC302587
11. Were VOAs on the COC? Yes No
12. Were air bubbles >6 mm in any VOA vials? Yes No NA
13. Was a trip blank present in the cooler(s)? Yes No

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

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES	Samples processed by: <u>[Signature]</u>

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.

Time preserved: _____ Preservative(s) added/Lot number(s): _____

CHAIN OF CUSTODY AND RECEIVING DOCUMENTS



240-37799 Chain of Custody

TestAmerica Michigan
10448 Citation Drive
Suite 200
Brighton, MI 48116
Phone: 810.223.2763 Fax:

Chain of Custody Record

5-4, 5-2
030553

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact		Project Manager: Mike McGowan		Site Contact: Mike McGowan		COC No: 1 of 2 COCs	
Company Name: AMEC		Tel/Fax: 248-920-4008		Lab Contact: Mike McGowan		Date: 5/19/14	
Address: 40850 Magellan Drive Suite 190		Analysis Turnaround Time		Carrier: FedEx		Sampler: K. Cunningham	
City/State/Zip: Novi, MI 48377		<input type="checkbox"/> CALENDAR DAYS <input checked="" type="checkbox"/> WORKING DAYS		For Lab Use Only:		Walk-in Client:	
Phone: 248-920-4008		TAT if different from Below		Lead Total		Lab Sampling:	
Fax: 248-920-4009		<input checked="" type="checkbox"/> 2 weeks		Arsenic Total		Job / SDG No.:	
Project Name: Lake Linden - Honeywell		<input type="checkbox"/> 1 week		TCP Lead		Sample Specific Notes:	
Site: Lake Linden, MI		<input type="checkbox"/> 2 days		TCP Arsenic		Hold all totals for possible TCP	
PO #		<input type="checkbox"/> 1 day					
Sample Identification	Sample Date	Sample Time	Sample Type (G=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)
LL101-41NE-0005-SSXX	5/19/14	1209	G	Soil	1	N	X
LL101-41NE-0502-SSXX		1210	G	Soil	1	N	X
LL101-41NE-0205-SSXX		1211	G	Soil	1	N	X
LL101-32SE-0005-SSXX		1321	G	Soil	1	N	X
LL101-32SE-0502-SSXX		1322	G	Soil	1	N	X
LL101-32SE-0205-SSXX		1323	G	Soil	1	N	X
LL101-24SW-0005-SSXX		1409	G	Soil	1	N	X
LL101-24SW-0502-SSXX		1410	G	Soil	1	N	X
LL101-24SW-0205-SSXX		1411	G	Soil	1	N	X
LL101-26SW-0005-SSXX		1440	G	Soil	1	N	X
LL101-26SW-0502-SSXX		1441	G	Soil	1	N	X
LL101-26NE-0005-SSXX		1450	G	Soil	1	N	X
Preservation Used: 1=Ice, 2=HCl, 3=H2SO4, 4=HNO3, 5=NaOH, 6=Other							
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.							
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown							
Special Instructions/QC Requirements & Comments:							
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temp. (°C): Obs'd:		Therm ID No.:	
Relinquished by: [Signature]		Company: [Signature]		Received by: [Signature]		Date/Time: 5/22/14 1002	
Relinquished by: [Signature]		Company: [Signature]		Received by: [Signature]		Date/Time: 5-28-14 1000	
Relinquished by: [Signature]		Company: [Signature]		Received in Laboratory by: [Signature]		Date/Time:	

Company Name: AMEC	Client Contact	Project Manager: Mike McGowan	Site Contact: Bonnie Gibney	COC No: 2 of 2 COCs								
Address: 40850 Magellan Drive, Suite 190		Tel/Fax: 248-920-4008	Date: 5/19/14									
City/State/Zip: Novi, MI 48377			Carrier: FedEx									
Phone: 248-920-4008												
Fax: 248-920-4009												
Project Name: Harper Lake Land												
Site: Lake Linden, MI												
P.O.#												
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	Lead Total	Arseic Total	TCLP Lead	TCLP Soil	Sample Specific Notes:
WIO1-2UNE-0502-SSXX	5/19/14	1457	G	Soil	1	N	N	X				Hold all totals for possible TCLP
WIO1-834SE-0005-SSXX	5/19/14	1534	G	Soil	1	N	N	X				
WIO1-34SE-0502-SSXX	5/19/14	1535	G	Soil	1	N	N	X				
WIO1-34NE-0005-SSXX	5/19/14	1555	G	Soil	1	N	N	X				
WIO1-34NE-0502-SSXX	5/19/14	1556	G	Soil	1	N	N	X				
WIO1-0447-0005-SSXX	5/19/14	1642	G	Soil	1	N	N	X				
WIO1-0447-0502-SSXX	5/19/14	1643	G	Soil	1	N	N	X				
Preservation Used: 1=Ice, 2=HCl, 3=H2SO4, 4=HNO3, 5=NaOH, 6=Other												
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.												
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown												
Special Instructions/QC Requirements & Comments:												
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No	Custody Seal No.:	Cooler Temp. (°C):	Obs'd:	Cor'd:	Therm ID No.:							
Relinquished by:	Company: AMEC	Date/Time: 5/27/14	Received by: Kex	Company:	Date/Time: 5/27/14 1002							
Relinquished by:	Company:	Date/Time:	Received by:	Company: TA	Date/Time: 5-28-14 1000							
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:							

TestAmerica Canton Sample Receipt Form/Narrative
Canton Facility

Login # : 37799

Client Amec Site Name _____

Cooler unpacked by: _____

Cooler Received on 5-28-14 Opened on 5-28-14

FedEx: 1st Grd Exp UPS FAS Stetson Client Drop Off TestAmerica Courier Other _____

TestAmerica Cooler # _____ Foam Box Client Cooler Box Other

Packing material used: Bubble Wrap Foam Plastic Bag None Other _____

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# A (CF +0 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

IR GUN# 4 (CF -1 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

IR GUN# 5 (CF +1 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

IR GUN# 8 (CF +1 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

☒ See Multiple
Cooler Form

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity 2 Yes No

-Were custody seals on the outside of the cooler(s) signed & dated? Yes No NA

-Were custody seals on the bottle(s)? Yes No

3. Shippers' packing slip attached to the cooler(s)? Yes No

4. Did custody papers accompany the sample(s)? Yes No

5. Were the custody papers relinquished & signed in the appropriate place? Yes No

6. Did all bottles arrive in good condition (Unbroken)? Yes No

7. Could all bottle labels be reconciled with the COC? Yes No

8. Were correct bottle(s) used for the test(s) indicated? Yes No

9. Sufficient quantity received to perform indicated analyses? Yes No

10. Were sample(s) at the correct pH upon receipt? Yes No NA pH Strip Lot# HC302587

11. Were VOAs on the COC? Yes No

12. Were air bubbles >6 mm in any VOA vials? Yes No NA

13. Was a trip blank present in the cooler(s)? Yes No

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

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by: _____

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

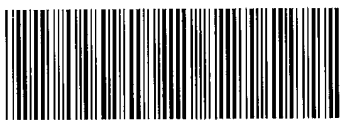
16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.

Time preserved: _____ Preservative(s) added/Lot number(s): _____

[illegible]

CHAIN OF CUSTODY AND RECEIVING DOCUMENTS



240-37801 Chain of Custody

TestAmerica Michigan
10448 Citation Drive
Suite 200
Brighton, MI 48116
Phone: 810.229.2763 Fax:

Chain of Custody Record

030552

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210 (0713)

Client Contact		Project Manager: MIKE MCGOWAN		Site Contact: BONNIE GIMENEZ		Date:	
Company Name: AMEC		Tel/Fax: 248-920-4008		Lab Contact: MARC LOBO		Carrier: FedEx	
Address: 40850 MAGELLAN DRIVE, SUITE 190		City/State/Zip: NOVI, MI 48377		Analysis Turnaround Time		COC No: 1 of COCs 3	
Phone: 248-920-4008		Fax: 248-920-4009		CALENDAR DAYS		Sampler: L. Cunningham	
Project Name: Honeywell-Lake Linden		Site: Lake Linden, MI		TAT if different from Below		For Lab Use Only:	
P.O.#		Sample Date		Sample Type (C-Comp, G-Grab)		Walk-in Client:	
Sample Identification		Sample Time		# of Cont.		Lab Sampling:	
LUJ01-31SW-0005-SSXX	5/20/14	1120	G	Soil	1	Lead Total	Job / SDG No.:
LUJ01-31SW-0502-SSXX	5/20/14	1128	G	Soil	1	TCRP - Lead	Sample Specific Notes:
LUJ01-30SE-0005-SSXX	5/20/14	1400	G	Soil	1	TCRP - Arsenic	Hold all totals for possible TCRP
LUJ01-30SE-0502-SSXX	5/20/14	1401	G	Soil	1	Lead Total	
LUJ01-39SW-0005-SSXX	5/20/14	1417	G	Soil	1	TCRP - Lead	
LUJ01-39SW-0502-SSXX	5/20/14	1418	G	Soil	1	TCRP - Arsenic	
LUJ01-39NE-0005-SSXX	5/20/14	1430	G	Soil	1	Lead Total	
LUJ01-39NE-0502-SSXX	5/20/14	1433	G	Soil	1	TCRP - Lead	
LUJ01-57SE-0005-SSXX	5/20/14	1447	G	Soil	1	TCRP - Arsenic	
LUJ01-57SE-0502-SSXX	5/20/14	1448	G	Soil	1	Lead Total	
LUJ01-06SE-0005-SSXX	5/20/14	1521	G	Soil	1	TCRP - Lead	
LUJ01-06SE-0502-SSXX	5/20/14	1520	G	Soil	1	TCRP - Arsenic	
Preservation Used: 1=Ice, 2=HCl, 3=H2SO4, 4=HNO3, 5=NaOH, 6=Other							
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.							
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown							
Special Instructions/QC Requirements & Comments:							
Custody Seal No.:		Cooler Temp. (°C):		Obs'd:		Therm ID No.:	
Relinquished by:		Company:		Company:		Date/Time:	
Relinquished by:		Company:		Company:		Date/Time:	
Relinquished by:		Company:		Company:		Date/Time:	

Client Contact						Project Manager: Mike McGowan Tel/Fax: 708-930-4008		Site Contact: Bonnie Gibney Lab Contact: Marc Webb		Date: Carrier: FedEx						
Company Name: AMEC Address: 40850 Magellan Drive, Suite 190 City/State/Zip: Novi, MI 48377 Phone: 708-930-4008 Fax: 708-930-4009 Project Name: Honeywell Lake Under Site: Lake Under, MI PO #						Analysis Turnaround Time <input type="checkbox"/> Calendar Days <input checked="" type="checkbox"/> Working Days TAT If different from Below _____ <input checked="" type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day				COC No.: 3 of 3 COCs Sampler: L Cunningham For Lab Use Only: Walk-in Client: Lab Sampling: Job / SDG No.:						
Sample Identification						Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Lead Total	Arsenic Total	TCP-Lead	TCP-Arsenic
WJ01-36NW-0005-SXX						5/20/14	1717	G	Soil	1	N	N	X			
WJ01-36NW-0502-SXX						5/20/14	1718	G	Soil	1	N	N	X			
WJ01-36NE-0005-SXX						5/20/14	1733	G	Soil	1	N	N	X			
WJ01-36NE-0502-SXX						5/20/14	1734	G	Soil	1	N	N	X			
WJ01-36NW-0005-SXX						5/20/14	1743	G	Soil	1	N	N	X			
WJ01-36NW-0502-SXX						5/20/14	1744	G	Soil	1	N	N	X			
of 110																
Preservation Used: 1=Ice, 2=HCl, 3=H2SO4, 4=HNO3, 5=NaOH, 6=Other						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months										
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample. <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown						Special Instructions/QC Requirements & Comments:										
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No						Therm ID No.: _____										
Relinquished by: [Signature]						Company: AMEC		Received by: FedEx		Date/Time: 5/27/14		Company: [Signature]		Date/Time: 5/27/14 1002		
Relinquished by: [Signature]						Company: [Signature]		Received by: [Signature]		Date/Time: 5/28/14		Company: [Signature]		Date/Time: 5/28/14 1000		
Relinquished by:						Company:		Received in Laboratory by:		Date/Time:		Company:		Date/Time:		

TestAmerica Canton Sample Receipt Form/Narrative
Canton Facility

Login # : 37801

Client <u>Amei</u>	Site Name _____	Cooler unpacked by: <u>[Signature]</u>									
Cooler Received on <u>5-28-14</u> Opened on <u>5-28-14</u>											
FedEx: 1 st Grd <u>Exp</u> UPS FAS Stetson Client Drop Off TestAmerica Courier Other _____											
TestAmerica Cooler # _____ Foam Box Client Cooler Box <u>Other</u> _____											
Packing material used: <u>Bubble Wrap</u> Foam Plastic Bag None Other _____											
COOLANT: <u>Wet Ice</u> Blue Ice Dry Ice Water None											
<p>1. Cooler temperature upon receipt</p> <table style="width:100%;"> <tr> <td>IR GUN# A (CF +0 °C) Observed Cooler Temp. _____ °C</td> <td>Corrected Cooler Temp. _____ °C</td> <td rowspan="4" style="vertical-align: middle; text-align: center;"> <input checked="" type="checkbox"/> See Multiple Cooler Form </td> </tr> <tr> <td>IR GUN# 4 (CF -1 °C) Observed Cooler Temp. _____ °C</td> <td>Corrected Cooler Temp. _____ °C</td> </tr> <tr> <td>IR GUN# 5 (CF +1 °C) Observed Cooler Temp. _____ °C</td> <td>Corrected Cooler Temp. _____ °C</td> </tr> <tr> <td>IR GUN# 8 (CF +1 °C) Observed Cooler Temp. _____ °C</td> <td>Corrected Cooler Temp. _____ °C</td> </tr> </table>			IR GUN# A (CF +0 °C) Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C	<input checked="" type="checkbox"/> See Multiple Cooler Form	IR GUN# 4 (CF -1 °C) Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C	IR GUN# 5 (CF +1 °C) Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C	IR GUN# 8 (CF +1 °C) Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C
IR GUN# A (CF +0 °C) Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C	<input checked="" type="checkbox"/> See Multiple Cooler Form									
IR GUN# 4 (CF -1 °C) Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C										
IR GUN# 5 (CF +1 °C) Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C										
IR GUN# 8 (CF +1 °C) Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C										
<p>2. Were custody seals on the outside of the cooler(s)? If Yes Quantity <u>2</u> <u>Yes</u> No</p> <p>-Were custody seals on the outside of the cooler(s) signed & dated? <u>Yes</u> No NA</p> <p>-Were custody seals on the bottle(s)? Yes <u>No</u></p>											
3. Shippers' packing slip attached to the cooler(s)? <u>Yes</u> No											
4. Did custody papers accompany the sample(s)? <u>Yes</u> No											
5. Were the custody papers relinquished & signed in the appropriate place? <u>Yes</u> No											
6. Did all bottles arrive in good condition (Unbroken)? <u>Yes</u> No											
7. Could all bottle labels be reconciled with the COC? <u>Yes</u> No											
8. Were correct bottle(s) used for the test(s) indicated? <u>Yes</u> No											
9. Sufficient quantity received to perform indicated analyses? <u>Yes</u> No											
10. Were sample(s) at the correct pH upon receipt? Yes No <u>NA</u> pH Strip Lot# <u>HC302587</u>											
11. Were VOAs on the COC? Yes <u>No</u>											
12. Were air bubbles >6 mm in any VOA vials? Yes No <u>NA</u>											
13. Was a trip blank present in the cooler(s)? Yes <u>No</u>											
<p>Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other _____</p> <p>Concerning _____</p>											

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by: [Signature]

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.

Time preserved: _____ Preservative(s) added/Lot number(s): _____



1
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11
12
13

TestAmerica Michigan
10440 Citations Drive
Suite 200
Brighton, MI 48116
Phone: 810.229.2753 Fax:

Chain of Custody Record

330553

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (07/13)

Regulatory Program: ☐ DW ☐ HPDES ☐ RCRA ☐ Other:

Company Name: AMEC		Client Contact		Project Manager: MARY MCGOWAN		Site Contact: MARY MCGOWAN		Date: 5/14/14		COC No: 330553 of 6 COCs	
Address: 40850 MORTIMER AVE SUITE 190				Tel/Fax: 248-730-4008		Lab Contact: MARY MCGOWAN		Carrier: FELIX		Sampler: MARY MCGOWAN	
City/State/Zip: NOVI, MI 48217				Analysis Turnaround Time		Perform MS/MSD (Y/N)		Filtered Sample (Y/N)		For Lab Use Only:	
Phone: 248-730-4008				<input type="checkbox"/> CALENDAR DAYS <input checked="" type="checkbox"/> WORKING DAYS						Walk-in Client	
Fax: 248-730-4009				TAT if different from Below						Lab Sampling:	
Project Name: LAYCO LINDEN MI				2 weeks						Job / SDG No.:	
Site: LAYCO LINDEN MI				1 week							
PO #				2 days							
				1 day							
Sample Identification		Sample Date	Sample Time	Sample Type (E-Comp, G-Grab)	Matrix	# of Cont.	Sample Specific Notes:				
LL101-410E-0005-SSXX	5/14/14	1209	G	G	Soil	1	Phase change ID 248-410E-0005-SSXX for				
LL101-410E-0502-SSXX		1210	G	G	Soil	1	" 248-410E-0502-SSXX for				
LL101-410E-0205-SSXX		1211	G	G	Soil	1	" 248-410E-0205-SSXX for				
LL101-225E-0005-SSXX		1321	G	G	Soil	1	Thank you				
LL101-225E-0502-SSXX		1322	G	G	Soil	1					
LL101-325E-0205-SSXX		1323	G	G	Soil	1					
LL101-245W-0205-SSXX		1409	G	G	Soil	1	Phase change ID 248-245E-0005-SSXX				
LL101-245W-0502-SSXX		1410	G	G	Soil	1	" 248-245E-0502-SSXX				
LL101-245W-0205-SSXX		1411	G	G	Soil	1	" 248-245E-0205-SSXX				
LL101-245W-0205-SSXX		1443	G	G	Soil	1					
LL101-245W-0502-SSXX		1444	G	G	Soil	1					
LL101-245W-0205-SSXX		1450	G	G	Soil	1					
Preservation Used: 10% HCl, 2% HCl, 5% HNO3, 4% HNO3, 5% NaOH, 6% Other							Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)				
Possible Hazard Identification:											
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in this Comments Section if the lab is to dispose of the sample.											
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown							<input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for Months				
Special Instructions/QC Requirements & Comments:											
Custody Seals Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temp. (°C): Obs'd:		Corr'd:		Therm ID No.:			
Relinquished by: [Signature]		Company: [Signature]		Received by: Felix		Company:		Date/Time: 5/14/14		1002	
Relinquished by:		Company:		Received by:		Company:		Date/Time:			
Relinquished by:		Company:		Received in Laboratory by:		Company:		Date/Time:			

Regulatory Program: <input type="checkbox"/> DW <input type="checkbox"/> NPDES <input type="checkbox"/> RCRA <input type="checkbox"/> Other:		Project Manager: Mike McGowan		Site Contact: Diane Givens		COG No: 2 of 2 COCs	
Company Name: AMEC		Tel/Fax: 913-930-6008		Lab Contact: Mark Wachs		Date: 5/14/14	
Address: 40850 Magnolia Drive, Lenexa, KS 66157		City/State/Zip: Lenexa, KS 66157		Project Name: Water Quality Data Collection		Sampler: K. Cunningham	
Phone: 913-930-6008		Fax: 913-930-6008		For Lab Use Only:		Walk-in Client:	
PO#		Analysis Turnaround Time		TAT if different from Below		Lab Sampling:	
		<input type="checkbox"/> Calendar Days		<input checked="" type="checkbox"/> Working Days		Job / SDG No.:	
		<input checked="" type="checkbox"/> 2 weeks				Sample Specific Notes:	
		<input type="checkbox"/> 1 week				Hold all to lab for	
		<input type="checkbox"/> 2 days				Possible Telp	
		<input type="checkbox"/> 1 day					

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Gravel)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)
U101-24NE-0502-SSXX	5/14/14	1457	G	Soil	1	N	X
U101-24SE-0005-SSXX	5/14/14	1534	G	Soil	1	N	X
U101-24SE-0502-SSXX	5/14/14	1535	G	Soil	1	N	X
U101-24NE-0005-SSXX	5/14/14	1555	G	Soil	1	N	X
U101-24NE-0502-SSXX	5/14/14	1550	G	Soil	1	N	X
U101-0473-0005-SSXX	5/14/14	1642	G	Soil	1	N	X
U101-0473-0502-SSXX	5/14/14	1643	G	Soil	1	N	X

Please Change ID to U101-0473-0005-SSXX
 11/11/14 U101-0473-0502-SSXX
 Thank you

Preservation Used: 1=Ice, 2=HCl, 3=H2SO4, 4=HNO3, 5=NaOH, 6=Other

Possible Hazard Identification: Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Special Instructions/QC Requirements & Comments:

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____ Cor'd: _____		Term ID No.:	
Relinquished by:		Received by: Red Ex		Date/Time: 5/27/14	
Relinquished by:		Received by:		Date/Time:	
Relinquished by:		Received in Laboratory by:		Date/Time:	

APPENDIX B

Foundation Cleaning Site Walk Meeting Minutes

C&H Power Plant Site
Lake Linden, MI
Foundation Cleaning Site Walk Meeting Minutes
July 10, 2013

Attendees: Mike McGowan – AMEC
Liz Stieber – AMEC
Kurt Cunningham – AMEC
Andy Maguire – EPA
Amy Keranen – MDEQ
Dan Liebau – Weston
Christine Tufts – Weston
Tony Evans – Brandenburg

- All visible ACM will be removed
- Trees/concrete debris can be left onsite
 - Any contaminated concrete debris can be cleaned and left onsite
 - AMEC will discuss with the property owner about leaving the trees onsite and whether they can be left in piles or if they should be cut in smaller pieces or chipped
- Vertical walls of the concrete foundations/structures do not need to be cleaned
- The aboveground and belowground structures will not be entered to remove soil/debris
- Soil/debris will be removed from all trenches/pits < 2 ft deep
- Soil/debris will not be removed from the large pits/rock bins (> 2 ft deep)
 - Visible ACM will be removed prior to backfill
 - Soil cover will consist of demarcation fabric and a minimum of 2 ft of clean fill
 - Existing soil/debris may be repositioned within the trench/pit/rock bin to allow level placement of the demarcation fabric and the 2 ft soil cover
 - Soil/debris will not be transferred from one pit/rock bin to another
 - Additional fill (> 2 ft) may be placed in some areas to match the elevation of adjacent 2 ft cover in order to minimize the potential erosion
- Trees in the large pits/rock bins do not need to be removed but may be removed if it is easier to place the demarcation fabric
- If a trench is 2-5 ft deep with minimal debris at the bottom, Weston/AMEC field representatives will make a decision as to whether the debris will be removed or a soil cover will be placed on top.
- AMEC field representatives will mark a line a safe distance from the edge of the steep embankments (a minimum of 6 ft away) where the 2 ft excavation will stop with EPA/Weston agreement. AMEC will collect soil verification sidewall samples of the undisturbed soil adjacent to the steep embankment. Assuming the length is approximately 280 ft and the depth is 2 ft the sidewall of the excavation would be 560 ft². According to the 2002 MDEQ "Sampling Strategies and Statistic Training Materials for Part 201 Cleanup Criteria" this would require 5 sidewall verification samples. The verification samples will be biased toward any stained soil or evidence of contamination encountered; otherwise the samples will be collected approximately every 70 ft. In addition, a total of 4 additional samples will be collected from the sidewall adjacent to, and soil underneath, the copper concentrate bags. All samples will be collected 1 ft below ground surface and analyzed for antimony, arsenic, copper, iron, and lead.
- All debris piles within contaminated areas will be removed.

- Workers will keep a minimum of 6 ft away from the SE edge of the stamp mill foundation that is collapsing into Torch Lake during foundation cleaning activities.
- The former pump house will be cleaned to the extent possible and the brick debris alongside the structure will be removed. Soil/Debris inside the structure will be removed to a depth which would allow the placement of a 2 ft soil cover that would match the surrounding grade. Demarcation fabric will be placed prior to backfill.
- Brace or shore certain locations, as necessary, to prevent migration of backfill into the subsurface structures

Stieber, Elizabeth A

From: McGowan, Michael J (Novi)
Sent: Monday, August 26, 2013 6:54 PM
To: Stieber, Elizabeth A
Subject: Fwd: C&H Site - Foundation Cleaning Workplan Approval

Michael J. McGowan
AMEC E & I inc.
W: (248) 313-3665
C:(248) 877-3852

Begin forwarded message:

From: "Hassan, Jacob" <hassan.jacob@epa.gov>
Date: August 26, 2013, 5:54:17 PM EDT
To: "McGowan, Michael J (Novi)" <Michael.J.McGowan@amec.com>, "Maguire, Andrew" <maguire.andrew@epa.gov>
Cc: "Geadelmann, Chuck (MN10 -182A)" <Chuck.Geadelmann@Honeywell.com>, "Benning, Brad" <benning.bradley@epa.gov>, "Liebau, Daniel" <Daniel.Liebau@WestonSolutions.com>, "Stieber, Elizabeth A" <Elizabeth.Stieber@amec.com>, "French, Chris" <Chris.French@Honeywell.com>
Subject: C&H Site - Foundation Cleaning Workplan Approval

All,

EPA has completed its review of the *C&H Power Plant Site Foundation Cleaning Site Walk Meeting Minutes July 10, 2013* as revised on 8/23/13. EPA approves this plan and any deviation from the plan should be done in consultation with EPA. Also, EPA fully expects for this work to begin as soon as possible so that this work can be completed in during the current mobilization.

If you have any questions, please feel free to contact me at 312-882-4297.

Thanks,

Jacob Hassan
OSC Region 5

From: McGowan, Michael J (Novi) [<mailto:Michael.J.McGowan@amec.com>]
Sent: Friday, August 23, 2013 1:18 PM
To: Maguire, Andrew
Cc: Geadelmann, Chuck (MN10 -182A); Benning, Brad; Liebau, Daniel; Stieber, Elizabeth A; French, Chris; Hassan, Jacob
Subject: RE: C&H Site - Foundation Cleaning

Hello Andy,

I've added a biased sampling approach for the sidewall along the shore, and additional sampling by the copper concentrate bags. Let me know if you have additional comments.

Thanks,

Michael J. McGowan
Senior Project Manager/ Associate Engineer
AMEC

Environment and Infrastructure, Inc
46850 Magellan Drive, STE 190, Novi MI 48377
Tel (248) 926-4008, fax (248) 926-4009
Direct (248) 313-3665, mobile/cell (248) 877-3852

michael.j.mcgowan@amec.com

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From: Maguire, Andrew [<mailto:maguire.andrew@epa.gov>]
Sent: Thursday, August 22, 2013 10:19 AM
To: McGowan, Michael J (Novi)
Cc: Geadelmann, Chuck (MN10 -182A); Benning, Brad; Liebau, Daniel; Stieber, Elizabeth A; French, Chris; Hassan, Jacob
Subject: RE: C&H Site - Foundation Cleaning

Mike,

Thanks for incorporating all of the comments. The sampling strategy seems acceptable but since we're sampling to document contamination left in place, it would be more appropriate to take a biased sampling approach. Dividing the wall into 70 ft intervals is acceptable however biasing the sample location within the intervals where there is likely to be contamination (ie. staining, soil beneath the copper concentrate bags, etc.) and documenting as such would be more appropriate than a straight interval approach. These are all discrete samples being analyzed for metals I assume?

Once we get this sampling approach acceptable, I can approve the Foundation Cleaning Plan.

Andy Maguire
U.S. EPA - Region 5
312-353-8782

From: McGowan, Michael J (Novi) [<mailto:Michael.J.McGowan@amec.com>]
Sent: Thursday, August 22, 2013 6:37 AM
To: Maguire, Andrew
Cc: Geadelmann, Chuck (MN10 -182A); Benning, Brad; Liebau, Daniel; Stieber, Elizabeth A; French, Chris
Subject: RE: C&H Site - Foundation Cleaning

Morning Andy,

Attached is the revised meeting minutes based on your review comments.

Thanks,

Michael J. McGowan
Senior Project Manager/ Associate Engineer
AMEC

Environment and Infrastructure, Inc
46850 Magellan Drive, STE 190, Novi MI 48377
Tel (248) 926-4008, fax (248) 926-4009
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michael.j.mcgowan@amec.com

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From: Maguire, Andrew [<mailto:maguire.andrew@epa.gov>]
Sent: Wednesday, August 21, 2013 2:48 PM
To: McGowan, Michael J (Novi)
Cc: Geadelmann, Chuck (MN10 -182A); Benning, Brad; Liebau, Daniel
Subject: FW: C&H Site - Foundation Cleaning

Mike,

With regards to approving the foundation cleaning, I sent this message last week. Have you incorporated the comments and addition into the plan? If so, after we take a look at the final version including a sampling plan for the embankments, I think we can approve the foundation cleaning plan.

Andy Maguire
U.S. EPA - Region 5
312-353-8782

From: Maguire, Andrew
Sent: Thursday, August 15, 2013 11:32 AM
To: 'McGowan, Michael J (Novi)'
Cc: Geadelmann, Chuck (MN10 -182A); Liebau, Daniel; Benning, Brad
Subject: RE: C&H Site - Foundation Cleaning

Mike,

Attached is a version of the notes with EPA comments/changes(tracked). They are very minor with just one addition.

With the comments/additions and we agree to a sample plan for the steep embankments the foundation cleaning plan should be good.

Thanks!

Andy Maguire
U.S. EPA - Region 5
312-353-8782

From: McGowan, Michael J (Novi) [<mailto:Michael.J.McGowan@amec.com>]
Sent: Thursday, August 15, 2013 7:10 AM
To: Maguire, Andrew
Cc: Geadelmann, Chuck (MN10 -182A); Liebau, Daniel
Subject: RE: C&H Site - Foundation Cleaning

Hello Andy,

We did not receive any comments on the meeting minutes, so we will conduct the foundation cleaning as written. Do you agree?

Thanks,

Michael J. McGowan
Senior Project Manager/ Associate Engineer
AMEC
Environment and Infrastructure, Inc
46850 Magellan Drive, STE 190, Novi MI 48377

Tel (248) 926-4008, fax (248) 926-4009
Direct (248) 313-3665, mobile/cell (248) 877-3852
michael.j.mcgowan@amec.com

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From: Stieber, Elizabeth A
Sent: Monday, July 15, 2013 5:53 PM
To: 'Maguire.andrew@Epa.gov'; Liebau, Daniel; keranena@michigan.gov; McGowan, Michael J (Novi); Tufts, Christine; Cunningham, Kurt
Cc: Geadelmann, Chuck (MN10 -182A)
Subject: C&H Site - Foundation Cleaning

Good Evening,

Attached are meeting minutes from the site walk completed on July 10, 2013 to discuss the extents of the foundation cleaning at the C&H Site. If you have any comments or corrections please let me know by close of business on Friday, July 19, 2013.

Thanks,

Liz

Elizabeth Stieber
Staff Engineer
AMEC Environment & Infrastructure
46850 Magellan Dr., Suite 190, Novi, MI. 48377
Cell: 248.417.3589
Office: 248.926.4008
Direct: 248.313.3683
elizabeth.stieber@amec.com

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APPENDIX C

Standard Operating Procedure – Underground Utility Corridors

Background

Seven underground utility corridors have been discovered during site activities located approximately one to two feet below grade. The corridors vary in size and are constructed of brick or concrete and typically extend from one building foundation to another. Some corridors contain piping of various sizes that may have been used as water, steam or electrical conduits. The approximate locations of the utility corridors are shown on Figure 3.4 of the Soil Assessment Summary and Soil Removal Plan. The locations shown on the figure are based on field observations and historical Site maps.

Construction Activities

All entrances to the utility corridors are below grade. There is the potential of breaking through known and unknown utility corridors during construction activities. Every effort will be made during site construction activities to prevent the opening of a utility corridor. Precautions may include limiting travel of heavy machinery over known utility corridors and/or placement of metal sheeting over areas of known utility corridors where heavy machinery is expected to travel. All known utility corridors will be properly marked and all openings flagged to warn Site workers.

Utility corridor breakthroughs will be addressed in the following steps:

Step 1: The utility corridor will be inspected to determine the orientation of the corridor. The known entrances will be blocked (metal sheeting, plywood, or other approved materials), then backfilled to prevent access.

Step 2: Based on the orientation of the corridor an attempt will be made to determine the length of the corridor.

Step 3: In areas where the utility corridor breakthrough openings are less than 3 ft by 3 ft, the soil will be peeled back and a barrier (metal sheeting, plywood, or other approved materials) will be placed over the opening and approximately 2 ft of fill will be placed over it. If a large opening does not facilitate the placement of a barrier over the top, the opening in the utility corridor will be backfilled to grade. Metal sheeting will temporarily be placed over the backfill during the remainder of construction activities.

Step 4: The point of the break-through of the corridor and the ends of the corridor (if known) will be recorded using a handheld GPS unit and placed on project drawings.

When determining how to address utility corridors the following assumptions/practices will be used:

- Utility corridors will not be opened up to remove any soil/debris or to facilitate backfill.
- Potential asbestos containing materials visually identified within a utility corridor will not be sampled, analyzed, or abated. However, coordinates will be obtained by a handheld GPS and locations will be shown on project record drawings.
- Utility corridors are not considered foundations and will not be “cleaned” prior to backfill.

APPENDIX D

Schedule

Project Schedule

Calumet & Hecla Power Plant Site

Lake Linden, Michigan

[illegible]