

# SHALLOW GROUNDWATER SUMMARY REPORT

STUDY AREA 5  
SITE 117 - RYERSON STEEL SITE  
JERSEY CITY, NEW JERSEY

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## EXECUTIVE SUMMARY

Honeywell International Inc. (Honeywell) has completed groundwater sampling for the portion of Study Area 5 designated by the New Jersey Department of Environmental Protection (NJDEP) as Site No. 117 Ryerson Steel Site (Site). This activity was undertaken to obtain additional data to evaluate whether further action is required for shallow groundwater. Pursuant to the Consent Decree Regarding Remediation of Study Area 5 Shallow Groundwater and Site 079 Residential Properties (SA-5 Shallow Groundwater Consent Decree) in *Jersey City Municipal Utility Authority v. Honeywell International Inc.*, this report is being submitted to the Parties as well as the NJDEP. This report addresses compliance with groundwater requirements of the NJDEP Technical Requirements for Site Remediation and the SA-5 Shallow Groundwater Consent Decree.

The Site is located within a portion of Study Area 5 that was redeveloped as a retail center. Remedial actions for soils were completed during 1997, and the NJDEP approved the soil remedial actions in a letter dated March 27, 1998. Further sampling and delineation of chromium impacts in groundwater (including shallow and deeper groundwater zones) has been completed as part of the Study Area 7 regional investigation and documented in the Final Groundwater Investigation Report for Study Area 7 (HydroQual, 2007).

The work detailed in this report includes the redevelopment of six existing shallow monitoring wells followed by two rounds of groundwater sampling of those wells during 2009. In the second round of sampling, one additional well (117-MW-S4) was added to the list of wells sampled. Samples were analyzed for total and hexavalent chromium. Total organic carbon was also analyzed during the second round of sampling. Additional sampling of monitoring well 117-MW-A014 (located in the southeast portion of the Site) was performed during 2010-2011 as part of further delineation work as specified in the SA-5 Shallow Groundwater Consent Decree.

Total chromium was detected at concentrations above the NJDEP groundwater quality standard (GWQS) of 70 µg/L in four wells:

117-MW-A062;

117-MW-A085;

117-MW-A089; and  
117-MW-S4.

Filtered total chromium results indicate concentrations above 70 µg/L in two wells: 117-MW-A085 and 117-MW-S4. Hexavalent chromium was detected above 70 µg/L in only one well (117-MW-S4). Monitoring well 117-MW-A085 is located in the southwest (downgradient) portion of the Site and chromium detections are associated with the presence of chromite ore processing residue (COPR) fill. Well 117-MW-S4 is located in the northwest portion of the Site; chromium detections at this location are likely associated with the wet process area of the former Mutual Chemical plant.

Comparison of current data with historical results indicates that total and hexavalent chromium concentrations in shallow groundwater have declined substantially over the last 10 years in the majority of wells. Field measurements of low dissolved oxygen and negative oxidation-reduction potential indicate the presence of a reducing environment in most of the wells. These conditions favor reduction of hexavalent chromium to trivalent chromium. The exception was well 117-MW-A014, where a slightly oxidizing environment was encountered (positive oxidation-reduction potential).

The results of the sampling demonstrate that delineation in the shallow groundwater zone has been completed. At the downgradient side, Site 117 is contiguous with Site 153 (Former Morris Canal), where completion of Remedial Investigation (RI) is in progress. Completion of the RI at Site 153 is expected to provide additional delineation of hexavalent chromium-impacted fill soils and shallow groundwater further downgradient of Site 117. Shallow groundwater at the other sites comprising SA-5, including Sites 079 Route 440 Vehicle Corp. and Sites 090/184 Baldwin Steel/M.I. Holdings (NJCU Property) located north of Site 117, is being addressed as part of implementation of site-specific work plans approved by the NJDEP. Delineation and remediation of deep groundwater impacts are being addressed as part of the Study Area 7 regional groundwater remedy.

Based on current data, the regional groundwater remedy being implemented, and institutional control (Classification Exception Area [CEA]) to be established, no further remedial action is proposed for SA-5 shallow groundwater at this time. Significant decreases in total and hexavalent chromium concentrations have been

noted in the last ten years in the shallow zone and these concentrations are minor when compared to the regional groundwater issues associated with hexavalent chromium. These regional issues are being addressed with both a pump and treat approach as well as an in-situ approach. Chromium in groundwater in Study Area 5, 6, and 7 is being aggressively remediated. It is expected that shallow groundwater will attain the GWQS long before deep groundwater.

Documentation for the establishment of a Classification Exception Area for the entire complex of Study Areas 5, 6 and 7 has been submitted to the NJDEP. Following review of this report by the NJDEP and Parties, and NJDEP establishment of a CEA, it is anticipated that Honeywell will obtain a Remedial Action Permit for Groundwater to address NJDEP requirements with respect to long-term monitoring, maintenance, and institutional controls for groundwater at SA-5.

## 1.0 INTRODUCTION

This Shallow Groundwater Summary Report (Report) was prepared by AMEC E&I, Inc. (Amec), formerly MACTEC Engineering and Consulting, Inc. (Mactec), on behalf of Honeywell for NJDEP Site No. 117 (Ryerson Steel Site or Site) located in the City of Jersey City, Hudson County, New Jersey. The Site is located within a portion of Study Area 5 (SA-5) that was redeveloped as a retail center. This report presents the results of additional groundwater sampling of shallow monitoring wells and addresses delineation and remediation of shallow groundwater in compliance with requirements of the NJDEP Technical Requirements for Site Remediation and the SA-5 Shallow Groundwater Consent Decree.

### 1.1 BACKGROUND AND PURPOSE

Environmental investigations and remedial actions are being conducted in accordance with the requirements of the Administrative Consent Order (ACO) between Honeywell (formerly Allied Signal) and the NJDEP dated June 17, 1993, and the New Jersey Technical Requirements for Site Remediation (Technical Requirements) (N.J.A.C. 7:26E). The ACO includes requirements to investigate and, if necessary, remediate chromium contamination at 21 sites referred to as the Hudson County Chromium Sites. The sites are grouped into seven Study Areas. Study Area 5 is comprised of the following five sites located along the east side of Route 440 in Jersey City:

- Route 440 Vehicle Corp. (Site 079)
- Baldwin Steel (Site 090)
- Ryerson Steel (Site 117)
- Former Morris Canal (Site 153)
- M.I. Holdings, Inc. (Site 184)

A Remedial Investigation (RI) for SA-5 was completed during 1997-1999 and documented in a Remedial Investigation Report (RIR) dated November 1999 (TetraTech NUS, 1999). Additional RI activities were completed subsequent to the November 1999 RIR.

Remedial actions for soils at SA-5 Site 117 were completed during 1997 and included the installation of engineering controls (cap) and establishment of institutional

controls (deed notice). A No Further Action Letter for soils was issued by the NJDEP on March 27, 1998. Post-remediation quarterly cap inspections are performed and biennial certification reports are submitted to NJDEP to document the effectiveness of the engineering controls.

Previous investigation and delineation of chromium in shallow groundwater at SA-5 was completed and documented as part of previous RI activities for the sites comprising SA-5, as well as the regional groundwater investigation associated with Study Area 7 (SA-7). The purpose of the latest sampling provided in this report was to obtain current data on shallow groundwater conditions and evaluate whether further action is required for shallow groundwater.

Further delineation with respect to SA-5 shallow groundwater has also been completed as part of the SA-5 Shallow Groundwater Consent Decree requirements and documented in a report entitled Shallow Offsite Groundwater Delineation and Remedy Proposal Report dated July 2011 (Offsite Shallow Groundwater Report). This work included sampling of one existing monitoring well on Site 117 (117-MW-A014) and three new monitoring wells installed on off-site properties, including one shallow well to the south of SA-5 Site 117 (on Regnal Realty property) and two shallow wells located west of Route 440 (on Delco Levco Venture property) for delineation farther south/southwest of SA-5 and southeast of Study Area 6 South (SA-6 South). A letter from Plaintiffs dated August 11, 2011 stated that the Offsite Shallow Groundwater Report addressed off-site delineation sampling but did not address shallow groundwater contamination that exists on SA-5, namely the contaminated shallow groundwater on Site 117. Specifically, paragraph 64 of the Consent Decree requires the submittal of “a proposal for any remedial actions that may be required to address Study Area 5 Shallow Groundwater, including, if appropriate, either individually or in concert, containment, *in situ* treatment or other methods of source removal, pumping and treating, an environmental permit, a classification exception area or functional equivalent, or other form of institutional control permitted under the Technical Requirements for Site Remediation.”

This report addresses SA-5 Site 117 shallow groundwater in compliance with the requirements of the SA-5 Shallow Groundwater Consent Decree and the NJDEP Technical Requirements for Site Remediation. Shallow groundwater at other sites comprising SA-5 is being addressed as part of implementation of site-specific work plans and document submittals to the NJDEP (see Section 2 for summary of



previous investigations and remedial actions).

Groundwater impacts within the deeper groundwater zones are being addressed by the regional remedy for SA-7 under oversight by a court-appointed Special Master. Work associated with the regional groundwater remedy is addressed in separate document submittals to the Special Master, with copies provided to the NJDEP.

## 1.2 REPORT ORGANIZATION

This report contains the following sections:

1. *Introduction*: summarizes the purpose of the report and report organization.
2. *Site Background*: provides a summary of Site background information, geology and hydrogeology, previous investigations and remedial actions.
3. *Summary of Groundwater Investigation*: presents a summary of additional groundwater investigations and monitoring (e.g., monitoring well installation, groundwater sampling and analysis) and discussion of sample results.
4. *Summary of Findings and Recommendations*: presents a summary of findings and recommendations for addressing shallow groundwater contamination at the Site.

## 2.0 SITE BACKGROUND

### 2.1 SITE DESCRIPTION AND PHYSICAL SETTING

The Ryerson Steel Site is located in the City of Jersey City, Hudson County, New Jersey (see **Figure 1**). The Site property encompasses approximately 15 acres on the east side of Route 440. The Site is bounded on the north by Sites 090 (Baldwin Steel), on the east by a railroad spur line, on the south by a commercial facility, and on the west by Site 153 (Former Morris Canal) and Route 440. Site history was documented in previous report submittals (Enviro-Sciences, Inc., 1997; TetraTech NUS, 1999). The Site was the location of the former Mutual Chemical Company sodium dichromate production facility from approximately 1905 to 1954, and then was used for steel production by Ryerson Steel. All buildings at the Site related to former chemical and steel production have been demolished. The entire Site was capped in accordance with an NJDEP-approved Remedial Action Work Plan (RAWP) as part of the redevelopment of the property as a retail center.

### 2.2 SITE GEOLOGY / HYDROGEOLOGY

Based on the results of previous RI soil borings, Site soils consist of fill ranging in thickness from approximately 5 to 17 feet, with an average thickness of about 10-12 feet. The fill consists primarily of silty sand, and includes miscellaneous construction debris such as bricks, glass, slag, concrete, wood, etc. Varying amounts of COPR were encountered in some borings within the fill materials. The residue, consisting of silty slag with green and/or yellow streaking or staining, was typically found in small pockets of a few inches thickness or less. The water table was also encountered within the fill materials.

Directly underlying the fill materials across most of the Site are alluvial deposits consisting primarily of fine to medium sand with some silt. Within the western portion of the Site, a layer of meadow mat was encountered in a number borings between the fill and the underlying alluvium. The thickness of the alluvium generally increases from east to west, towards the Hackensack River and Newark Bay, and from south to north. Glacial till was encountered below the alluvium in borings that extended through the alluvium. The till consists of a dense, cohesive, heterogeneous mix of sand, silt, clay, and gravel. Based on RI data, it appears that the till surface slopes to the west and south within SA-5.

The top of the shallow groundwater table occurs in the fill zone above the alluvial deposits and/or meadow mat beneath the Site. Slug test data for the shallow fill zone from the RI indicate a geometric mean hydraulic conductivity value of 0.5 feet/day, although local variations are likely. An average groundwater flow velocity of 3 feet/year was calculated for the Site based on the average hydraulic conductivity value, average gradient of 0.005 and assumed porosity of 0.3 (TetraTech NUS, 1999).

Groundwater flow in the area of the SA-5/6/7 has been mapped as part of the SA-7 regional investigation, which identified four hydro-stratigraphic zones as follows:

- Shallow Zone – above the meadow mat and generally in fill material.
- Intermediate Zone – within lacustrine deposits just below the meadow mat. This zone is from approximately 20 to 40 feet below ground surface (bgs) and includes sand deposits identified as S-1 and upper S-2 lacustrine sands.
- Deep Zone – within lacustrine deposits just above the glacial till/ice contact deposits. This zone is from approximately 60 to 90 feet bgs and includes sand deposits identified as lower S-2 and S-3 lacustrine sands.
- Upper Bedrock Zone – just below the top of bedrock, which occurs at depths from approximately 80 feet to 130 feet.

Groundwater contour maps from the SA-7 regional investigation and long term monitoring program indicate that shallow groundwater flow is generally to the west-southwest and is influenced by man-made features such as sewer systems along Route 440, the barrier wall around SA-7, and the recently constructed barrier wall along the south and west boundary of the SA-5 Sites 090/184 (NJCU property) (HydroQual, 2007; Cornerstone; 2011). Groundwater contour maps from the regional monitoring program for the shallow zone are provided for reference in **Appendix A**. Groundwater contour maps for SA-5 Site 117 presented in this report indicate shallow groundwater flow to the southwest, in the direction of Site 153 Former Morris Canal and Route 440. The direction of groundwater flow at Site 117 is consistent with regional groundwater contour maps.

Data from the SA-7 regional investigation indicate a downward vertical flow gradient in the eastern portion of the study area on SA-5 Site 117 and an upward flow gradient in the western portion of the study area near the river. The downward

flow gradient in the area of SA-5 may be due, at least in part, to the absence of meadow mat (a hydraulically restrictive layer) which pinches out east of Route 440.

## 2.3 PREVIOUS INVESTIGATIONS / REMEDIAL ACTIONS

### SA-5 Site 117

The following investigations and remedial actions have been completed at the Site:

- Remedial Investigations (1991 to 1997): Sampling of surface and subsurface media at Site 117 was first conducted in 1991; a total of 118 soil samples were collected at the time. An RI was conducted during 1996-1997 by Enviro-Sciences, Inc. on behalf of G. Heller Enterprises, Inc. The RI included the drilling and sampling of more than 100 soil borings (350+ soils samples) and five shallow groundwater monitoring wells. The RI Report and the Remedial Action Work Plan were approved by the NJDEP. The entire Site was capped with a synthetic membrane system. Chromium-impacted soils that were excavated during construction were contained and capped on-site under a double liner system. Remedial actions were documented in a Remedial Action Report dated December 1997 (Enviro-Sciences, Inc., 1997).
- Remedial Investigation (1997-1999): On behalf of Honeywell, TetraTech NUS conducted RI work including soil boring installation, soil and groundwater sampling, and laboratory analysis, and presented the RI results in a Draft RI Report for Study Area 5 dated November 1999. The RI groundwater investigation for Site 117 included analysis of samples collected from the six on-site shallow monitoring wells: 117-MW-A05, 117-MW-A014, 117-MW-A062, 117-MW-A085, 117-MW-A089, and 117-MW-A099. Groundwater sample parameters included: total and hexavalent chromium, volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), Target Analyte List (TAL) metals, total dissolved solids (TDS), and total organic carbon (TOC). Total chromium was detected above the GWQS in the six shallow monitoring wells at concentrations ranging from 131 µg/L (117-MW-A014) to 14,100 µg/L (117-MW-A085). Hexavalent chromium exceeded the GWQS for total chromium in 117-MW-A014 (up to 131 µg/L) and 117-MW-A089 (up to 1,750) during the initial round of monitoring in 1997. Subsequent sampling rounds during 1998-1999 indicated lower total and hexavalent chromium concentrations in the majority of shallow wells.

Aluminum, sodium, and iron exceeded the GWQS in monitoring wells 117-MW-A85, 117-MW-A89, and 117-MW-A99 (not aluminum).

- Groundwater Investigation (2003-2007): On behalf of Honeywell, HydroQual conducted groundwater investigations in two phases in 2003 and 2006. The groundwater sampling and laboratory analysis of the groundwater results were presented in a Final Groundwater Investigation Report (FGIR) for SA-7 dated February 2007. Samples were analyzed for total and hexavalent chromium, chloride, sulfate, TDS, and TAL metals in 2003, and for total and hexavalent chromium, VOCs, TAL metals, pH, TDS, TOCs in 2006. The groundwater sample results during 2003 indicated that total chromium was detected in the following wells above the GWQS of 70 µg/L: 117-MW-A014 (86.4 µg/L), 117-MW-A062 (401 µg/L), 117-MW-A085 (3,380 µg/L), 117-MW-A089 (457 µg/L), and 117-MW-A099 (78.4 µg/L). Hexavalent chromium concentrations were below the GWQS, with the exception of monitoring well 117-MW-A089 (416 µg/L). Groundwater sample results during 2006 indicated similar chromium concentrations as detected during 2003 (HydroQual, 2007).

During the court-ordered SA-7 investigation, shallow monitoring well 117-MW-S4 was installed in December 2006 as part of a series of well couplets installed to evaluate conditions at the former Mutual Chemical plant wet process area along the northern Site perimeter. Previous data in this area indicated chromium concentrations in the shallow zone on the order of 100 mg/L based on vertical aquifer screening results. The FGIR for SA-7 indicated that a relatively thin layer of COPR-like material was encountered at this location, and concluded that the source of elevated chromium concentrations was likely associated with historical discharges of sodium dichromate. Groundwater data from shallow well 117-MW-S4 was not included in the FGIR for SA-7 due to the timing of well installation relative to the report submittal in February 2007. This well was initially installed adjacent to monitoring well 117-MW-I4 (Intermediate Zone well) for collection of samples for treatability testing, and was sampled during the more recent October 2009 event to provide current data on shallow groundwater conditions.

**Other SA-5 Sites: Sites 079, 090, 153 and 184**

Remedial investigations and/or actions with respect to shallow groundwater at the other sites comprising SA-5 are being addressed through implementation of site-specific work plans and reports submitted to the NJDEP for review and approval.

At Site 079 Route 440 Vehicle Corp., located to the north of Site 117, groundwater is not impacted with chromium above the GWQS of 70 µg/L. Remedial actions for soils were completed during 2010 and have been documented in a Remedial Action Report (RAR) that was submitted to the NJDEP in September 2011.

At Sites 090/184 Baldwin Steel/M.I. Holdings (NJCUC property) located immediately north of Site 117, remedial actions were completed during 2010-2011 and will be documented in a RAR anticipated to be submitted to the NJDEP by the end of 2011. Remedial actions included a combination of soil excavation, capping system, and installation of a hydraulic barrier (sealed sheet pile) along the southern boundary (between Site 117 and NJCUC) and western boundary (along Site 153/Route 440) to prevent off-site contaminated groundwater from impacting the remediated soil area and to prevent contaminated groundwater from migrating off-site. Remedial actions also included installation of a contingent groundwater extraction system.

At Site 153 Former Morris Canal, located along the western (downgradient) perimeter of Site 117, additional RI delineation sampling was conducted during 2010-2011 and will be documented in a future report submittal to the NJDEP. For the purpose of site identification and remedial action, Site 153 has been divided into several sections as described in the SA-5 Consent Decree: Site 153 North (next to NJCUC property), Site 153 South Upper Segment (next to Site 117) and Site 153 South Lower Segment (south of Site 117). Interim remedial measures (IRMs) for Site 153 South Lower Segment were completed in 2009 and included excavation of chromium-impacted soils to a depth of three feet bgs and restoration of surface vegetative cover and pavement consistent with pre-remediation conditions. Similar IRM activities are being completed at Site 153 South Upper Segment during 2011. Remedial actions at Site 153 North were completed as part of the remedial actions at the NJCUC property. Final remedial actions will be summarized in a future report submittal to the NJDEP.

## 2.4 SUMMARY OF REGIONAL GROUNDWATER REMEDY

The SA-7 regional groundwater remedy includes a Ground Water Extraction and Treatment (GWET) system which began operation in December 2008, and an in situ chromium mass removal program (involving reductant injection into the S-3 sand) that is scheduled to begin during the latter part of 2011. The deep overburden plume originates at the former Mutual Chemical facility on SA-5 Site 117 and flows under portions of SA-6 and SA-7 west of Route 440. The plume is contained and is being prevented from discharge to the Hackensack River by the GWET system.

The GWET system consists of deep overburden and bedrock groundwater extraction from three recovery wells, with treatment of the extracted water at Honeywell's treatment plant located on Kellogg Street. The extraction wells are designated as PW-1 (deep overburden zone; pumping rate 40 gallons per minute [gpm]), PW-2 (intermediate overburden zone; pumping rate 7.5 gpm), and 115-MW-203BR (upper bedrock zone; pumping rate 7 gpm). The two overburden wells are located near the downgradient end of the deep overburden plume and contain the plume from further off-site migration. The wells also cause a reversal of the hydraulic gradient in the deep overburden beneath the Hackensack River and pull back the river-ward portion of the plume. The bedrock extraction well is located in the southwest corner of SA-7 and serves to contain the bedrock plume. The combined pumping from PW-1 and PW-2 creates a capture zone that encompasses the full width of the deep overburden plume from its origin at the former Mutual Chemical plant on Site 117 and along its flow path under portions of SA-5 and SA-6 North. The total pumping rate of the three GWET wells is currently 54.5 gpm. Periodic monitoring and annual reporting is conducted in accordance with the Long Term Monitoring Plan for the Deep Overburden and Bedrock Groundwater Remedy (HydroQual, 2008; Cornerstone, 2011).

The in-situ chromium mass removal program involves injection of reductant into the deep overburden groundwater plume within the S-3 sand formation. This additional remedial action will supplement the existing GWET system and provide mass removal and source treatment within the higher concentrations of the plume. The objective is to inject soluble reductant to reduce 50 tons of hexavalent chromium within the groundwater of deep overburden plume. Reductant will be injected into four injection wells located along the central portion of the plume. The most upgradient injection well is 117-MW-I4 located on SA-5 Site 117 and the other three

injection wells were installed on SA-6 North (reference map provided in **Appendix A**). The wells were installed with double casing and extended to the S-3 sand layer at approximately 60 feet below grade. Details regarding the in situ chromium mass removal program and monitoring/reporting requirements are provided in the Operations Work Plan for In-Situ Chromium Mass Removal (Cornerstone, 2010).

## 2.5 RECEPTOR EVALUATION

A receptor evaluation has been performed for the SA-5 sites and documented in a report submittal to the NJDEP in February 2011 in compliance with the Technical Requirements for Site Remediation, specifically N.J.A.C. 7:26E-1.15 through 1.19. These requirements include: evaluation of land use; updated well search; evaluation of groundwater data with respect to identified water supply wells and NJDEP groundwater screening levels for the vapor intrusion (VI) pathway; and ecological evaluation. A summary of the receptor evaluation results pertaining to groundwater is provided for reference as follows.

An updated well records search was conducted to identify all monitoring and potable wells located within one-half mile and all irrigation, industrial wells, and wells with water-allocation permits located within one mile of the SA-5 sites. No potable or water supply wells were identified within 1,000 feet of SA-5. One (1) industrial well (205 feet deep) was identified within one-half mile and two (2) industrial wells (117 to 335 feet deep) were identified between one-half mile and one mile of SA-5. These wells are located to the northeast, southeast and east relative to SA-5. Groundwater impacts at SA-5 would not be expected to impact these wells due to their distance and location relative to SA-5 sites.

Groundwater in the area of SA-5 is not used as a source of potable water, and both the Site and surrounding area of Jersey City are served by the municipal water supply system (United Water Company). Potable water supply for Jersey City is provided by United Water Company (formerly Hackensack Water Company) which obtains water from surface water reservoir sources in Morris County, New Jersey.

With respect to the VI pathway evaluation, volatile organic compounds (VOCs) are the primary contaminants of concern. NJDEP groundwater screening levels for the VI pathway are not available for chromium. Chromium is not considered a contaminant of concern for the groundwater to VI pathway because it does not readily volatilize from groundwater.



Site data were also reviewed with respect to contaminants of potential ecological concern (COPECs) and potential migration pathways to environmentally sensitive natural resources. While COPECs (e.g., hexavalent chromium) were identified in soil and groundwater, no environmentally sensitive areas are present on the properties comprising SA-5. The nearest environmentally sensitive resource is the Hackensack River, located approximately 1,200 feet west of the SA-5 sites.

Chromium-related sediment impacts in the Hackensack River are being addressed as part of the SA-7 regional investigation and remedy. Honeywell has conducted appropriate surface water and sediment investigations within the Hackensack River in the area of SA-6/SA-7 as part of the regional investigation associated with SA-7. Reference documents including the Final Sediment Investigation Report and the Sediment Remedial Alternatives Assessment have been provided by Honeywell to the NJDEP. Remedial actions to mitigate potential impacts to surface water and sediments will be addressed as part of the SA-7 regional investigation and remedy.

## 3.0 SUMMARY OF GROUNDWATER INVESTIGATION

The groundwater investigation included the redevelopment of six existing shallow groundwater monitoring wells during August 2009 and two rounds of groundwater sampling of those wells in September and October 2009, as well as the sampling of one additional existing monitoring well (117-MW-S4) in October 2009. Well 117-MW-S4 was not developed or included in the first round of sampling (September 2009) since this well was not part of the initial RI for SA-5 Site 117 but was installed as part of the SA-7 regional investigation; it was included in the second round of sampling (October 2009) to provide current data for all existing shallow wells on the Site. Additional sampling of monitoring well 117-MW-A014 was completed during 2010-2011 as part of further delineation requirements for shallow groundwater as specified in the SA-5 Shallow Groundwater Consent Decree. The remainder of this section describes the monitoring well redevelopment, groundwater level gauging, field sampling and analytical results from the sampling events.

### 3.1 MONITORING WELL REDEVELOPMENT

On August 7, 2009, six monitoring wells (117-MW-A05, 117-MW-A014, 117-MW-A062, 117-MW-A085, 117-MW-A089 and 117-MW-A099) were redeveloped by B&B Drilling, Inc., a New Jersey Licensed well driller, under observation and supervision by Mactec. The purpose of well redevelopment was to remove accumulated fines and rehabilitate the wells, since they were installed over 10 years ago and had not been sampled since 2006. The redevelopment removed fines accumulated in the well annulus and ensured proper hydraulic connection to the saturated zone, by removing any fines that may have been lodged in the sand pack and screen. The wells were redeveloped using surge-block method, in accordance with N.J.A.C. 7:9D. Well 117-MW-S4 was not redeveloped during this event because it was installed in 2006 as explained above.

Monitoring well construction details are provided in **Table 1**. The locations of the wells are shown on **Figures 2 and 3**.

### 3.2 GROUNDWATER LEVEL MEASUREMENTS

The static depth to water level in each monitoring well was measured (to the nearest 0.01 foot) prior to each round of sampling using an electronic water level indicator. The depth to water and corresponding groundwater elevation data recorded during

the sampling events are provided on **Table 2**.

The groundwater elevations from each of the wells were used to prepare groundwater elevation contour maps for the shallow water table zone. Groundwater elevation contour maps from each monitoring event are shown on **Figures 2A and 2B** and indicate that the generalized direction of shallow groundwater flow is toward the west/southwest. This flow direction is generally consistent with previous groundwater investigations and contour maps for the shallow zone. Overall, groundwater elevations (feet above mean sea level) observed across the Site during the monitoring events varied from a low of 4.57 feet in 117-MW-A089 during October 2009 to 8.42 feet in 117-MW-A062 during September 2009. The fluctuations in groundwater elevations over the monitoring events ranged from approximately 0.30 feet to 0.55 feet. Groundwater monitoring field forms and contour map reporting forms are included in **Appendix B**.

### 3.3 GROUNDWATER FIELD SAMPLING ACTIVITIES

The monitoring wells were purged using low-flow sampling methods and equipment (peristaltic pumps) and groundwater samples were collected directly from dedicated pump tubing. Field parameter measurements including pH, specific conductance, temperature, dissolved oxygen (DO), oxidation-reduction potential (ORP), salinity, and turbidity were recorded during the well purging and sampling activities. Results for field parameters indicate that elevated pH values (pH >10) were detected in the following wells: 117-MW-A85 and 117-MW-S4 during the second round of sampling. DO values were low (less than 1 mg/L) or were not detected in the majority of wells; positive DO values were detected in 117-MW-A014, 117-MW-S4, and 117-MW-A099. ORP values were negative (between -263 mV to -41 mV) for all of the wells except for 117-MW-A14, which shows a positive value. Groundwater field measurements are reported in **Table 3**. Groundwater field sampling data sheets are included as **Appendix B**.

A hydrocarbon sheen was observed in well 117-MW-A062. This sheen has been observed on a number of instances in the past, and is believed to be related to a former underground storage tank (UST) that was closed as part of the Site redevelopment.

Groundwater samples were analyzed by Accutest Laboratories of Dayton, New Jersey (NJ Certification #12129). The sampling program incorporated the collection

and analysis of quality assurance/quality control (QA/QC) samples including field blanks and duplicate samples. Samples were analyzed for total and hexavalent chromium. During the second round of sampling, samples were also analyzed for total organic carbon.

### 3.4 GROUNDWATER ANALYTICAL RESULTS

Groundwater sample results are summarized in **Table 4** and shown on **Figure 3**. Electronic copies of the full laboratory data reports and the NJDEP HAZSITE electronic data deliverables for the sampling performed in 2009 (all wells) and 2010-2011 (117-MW-A014) are included in **Appendix C**. One full hard copy of the laboratory analytical data reports is provided to the NJDEP as a separate bound document. Sample QA/QC and data validation are discussed in Sections 3.6 and 3.7. Copies of data validation reports are included as **Appendix D**.

#### 3.4.1 Total Chromium

In September 2009, total chromium concentrations ranged from 10 µg/L to 186 µg/L in non-filtered samples and 10 µg/L to 111 µg/L in filtered samples. In October 2009, total chromium concentrations ranged from 10 µg/L to 1,570 µg/L (filtered results ranged from non-detect to 55 µg/L), except for monitoring well 117-MW-S4 which had a total chromium concentration of 334,000 µg/L. Total chromium concentrations detected during 2010-2011 in 117-MW-A014 were below 70 µg/L and consistent with 2009 results.

The total chromium concentrations in groundwater are generally lower than historical data, suggesting that well redevelopment was successful at removing interfering fines. This is consistent with the general observation that total chromium concentrations in filtered samples were substantially less than unfiltered results or not detected. Overall, as shown on **Figure 3**, total chromium concentrations have declined with time including an overall reduction from the September to the October sampling round.

Total chromium concentration exceeded the 70 µg/L GWQS in well 117-MW-A85 during both sampling rounds. This well is located in an area where RI soil sampling results indicated elevated concentrations of total chromium. Nonetheless, during the second round of sampling, total chromium was not detected in the filtered sample. Total chromium was detected in 117-MW-A062 at a concentration of 1,570

µg/L in the October 2009 event; however the filtered sample result was 55 µg/L and less than the GWQS of 70 µg/L. This may be an artifact of the petroleum hydrocarbons present in the well, which can interfere with the analytical method for hexavalent chromium.

The highest chromium concentration detected was in well 117-MW-S4, which is located in the area of the former chromates production building/wet process area. This well is located generally upgradient of 117-MW-099, where total chromium concentrations were below the GWQS. Therefore, the areal extent of the high chromium concentrations at 117-MW-S4 is limited and chromium is not migrating in shallow groundwater beyond the immediate vicinity of that well.

### ***3.4.2 Hexavalent Chromium***

Hexavalent chromium was detected in 117-MW-A014 and 117-MW-S4. Samples from 117-MW-S4 (installed in the area of former chromates production building) exceeded the GWQS for total chromium, and hexavalent chromium concentrations are similar to those of total chromium. Hexavalent chromium was not detected in 117-MW-A099 (located downgradient of 117-MW-S4), suggesting that hexavalent chromium is reduced and precipitated out of the groundwater and is not migrating in shallow groundwater beyond the immediate vicinity of well 117-MW-S4.

Hexavalent chromium was detected in filtered and unfiltered samples in well 117-MW-A014. RI data indicate that hexavalent chromium was detected in soil samples in this area. Because groundwater redox conditions at this location are oxidizing, hexavalent chromium tends to persist and is detected in the groundwater, but at concentrations below the GWQS.

Overall, as shown on **Figure 3**, hexavalent chromium concentrations have declined with time in all the shallow wells installed at the Site.

### ***3.4.3 Total Organic Carbon***

Total organic carbon (TOC) in the monitoring wells is generally low ranging from 2 mg/L in 117-MW-A05 to 13.6 mg/L in 117-MW-A062. Generally, TOC concentrations are highest in the downgradient wells which overlie the meadow mat. The TOC concentration in well 117-MW-A062 likely reflects the petroleum hydrocarbons detected in this well. Overall, TOC levels show an inverse relationship to redox conditions.

### 3.5 WELL SEARCH

Well searches have been completed during the initial RI work in the late 1990s and more recently as part of the Final Groundwater Investigation Report for SA-7 (HydroQual, 2007) and Receptor Evaluation Report for SA-5 (Mactec, 2011). Well search results indicate that groundwater is not used as a source of potable water in the area of the Site. No water supply wells or pumping centers were identified in the vicinity of the Site nor is the Site in a recharge area for a pumping center. The City of Jersey City is served by the municipal water supply system, which obtains water from sources outside of Hudson County. It is anticipated that any new development in the area of the Site would connect to the municipal water system.

### 3.6 QUALITY ASSURANCE/QUALITY CONTROL

Groundwater samples were collected in accordance with the guidelines and procedures specified in the NJDEP Field Sampling Procedures Manual. The samples were transferred directly to laboratory-prepared sample bottles from dedicated pump tubing, and transported to the laboratory following chain-of-custody procedures.

Field blank samples were collected by passing reagent-grade water through the sampling equipment (dedicated pump tubing) and analyzed at a rate of one per day (one field blank for each round of sampling). No target analytes were detected in any of the field blank samples collected during the sampling program.

Duplicate samples were collected at the rate of one per sampling round and analyzed for the groundwater sampling parameters. Duplicate results for chromium are consistent with the corresponding environmental sampling results for each round of monitoring.

Data validation of the groundwater samples was independently performed by Validata, LLC, Seattle, Washington. Based on the data validation results, the laboratory analytical data were determined to be acceptable, with minor qualifications. Details of these qualifications are provided in the data validation summary reports in **Appendix D**.

### 3.7 RELIABILITY OF LABORATORY ANALYTICAL DATA

Groundwater samples were collected and analyzed for total chromium and hexavalent chromium during the sampling program. In addition, each of the samples was analyzed for dissolved total chromium and dissolved hexavalent chromium. The analytical data and validation qualifiers for groundwater sample analyses are presented on **Table 4**. A review of the data validation reports indicates that some results for hexavalent chromium were qualified as estimated values (J qualifier) due to minor deficiencies associated with spike recovery. Based on data validation review, the data collected and presented in this report is reliable and usable as submitted or qualified.

### 3.8 OFFSITE SHALLOW GROUNDWATER DELINEATION

Further delineation of SA-5 shallow groundwater was completed as part of the SA-5 Shallow Groundwater Consent Decree requirements and documented in the Offsite Shallow Groundwater Report dated July 2011. Work included sampling of an existing monitoring well on Site 117 (117-MW-A014) and installation/sampling of three new monitoring wells installed on off-site properties, including one shallow well (153-MW-05) to the south of SA-5 Site 117 (on Regnal Realty property) and two shallow wells (124-MW-10, 124-MW-11) located west of Route 440 (on Delco Levco Venture property) for delineation farther south/southwest of SA-5 and southeast of SA-6 South. Two rounds of sampling were completed in October 2010 and April 2011 with laboratory analysis of samples for total and hexavalent chromium. Groundwater sample results indicated that all of the above wells were below the GWQS for total chromium. Based on sample results, the offsite shallow groundwater delineation requirements of the SA-5 Shallow Groundwater Consent Decree were addressed (Mactec, 2011).

## 4.0 SUMMARY OF FINDINGS AND RECOMMENDATIONS

### 4.1 SUMMARY OF FINDINGS

Based on the groundwater elevation data, the direction of shallow groundwater flow at the Site is to the west/southwest, toward Site 153 (Former Morris Canal).

The horizontal extent of chromium-impacted groundwater has been delineated. Shallow groundwater chromium impacts exceeding the GWQS generally coincide with the previously delineated chromium-impacted fill and limited to the western portion of the Site. Over time, total and hexavalent chromium concentrations are declining, as expected for a capped site with prevalent reducing conditions. Comparison of current data with historical results indicates that total and hexavalent chromium concentrations in shallow groundwater have declined substantially over the last 10 years. The most recent data from October 2009 indicate chromium concentrations above the GWQS in three wells (117-MW-A062, 117-MW-A085, 117-MW-S4) and filtered results exceeding the GWQS in only one well (117-MW-S4). The high concentrations of chromium in well 117-MW-S4 are limited to the immediate vicinity of that well. The overall downgradient extent of the impacted shallow groundwater is estimated to extend to Site 153 (Former Morris Canal). The remaining RI at Site 153 is expected to provide additional data to complete the delineation of chromium-impacted fill and shallow groundwater impacts downgradient of the Site.

The vertical extent of chromium-impacted groundwater was delineated under the regional groundwater investigation (HydroQual 2007). Data collected during that investigation demonstrate that deep groundwater impacts are associated with historic discharges of sodium dichromate and are not related to COPR fill. Elevated chromium concentrations that may be migrating downward in the area of shallow well 117-MW-S4 are being addressed by the regional groundwater remedy.

From a regional perspective, delineation of SA-5 shallow groundwater impacts has been completed based on data from the SA-7 regional investigation and the additional groundwater delineation sampling performed as required by the SA-5 Shallow Groundwater Consent Decree. Documentation for the establishment of a



Classification Exception Area (CEA) for the SA-5 and SA-6 shallow groundwater system was submitted to the NJDEP in June 2009.

Previous investigation results show that sodium and chloride concentrations in the shallow groundwater exceed the NJDEP Class IIB GWQS, which is consistent with saline water impacts related to the history of the Site and surrounding area as a former marshland and the subsequently filling and construction of the Morris Canal, which was operated with water from Newark Bay and the New York Harbor.

## 4.2 RECOMMENDATIONS

Based on the data obtained during the current and previous sampling events, the extent of chromium impacts in the shallow saturated zone has been delineated to the Site boundary.

Based on the findings, the regional groundwater remedy being implemented, and institutional control (CEA) to be established, no further remedial action is recommended with respect to shallow groundwater at Site 117 at this time. This recommendation is supported by the following findings:

- Significant declines are noted in shallow groundwater chromium concentrations over the last ten years. The concentrations are minor when compared to the regional groundwater issues associated with hexavalent chromium. The elevated chromium concentrations in well 117-MW-S4 are limited to the immediate area of that well in the northwest portion of the Site. Elevated chromium concentrations that may be migrating downward in the area of 117-MW-S4 are being addressed by the regional groundwater remedy, which includes the existing GWET downgradient pumping system and the S-3 injection mass removal program. The reductant injection program includes one injection well (117-MW-I4) in the area of 117-MW-S4 and three injection wells farther downgradient within the central portion of the deep overburden plume. It is expected that shallow groundwater will attain the GWQS long before deep groundwater.
- The Site is fully capped, which mitigates the risk of contact with contaminated soil and/or groundwater.

- Groundwater beneath the Site and surrounding area is not used as a source of potable water, and no domestic or public water supply wells were identified within one-half mile of the Site.
- The SA-7 regional groundwater remedy and Long Term Monitoring Plan includes monitoring to evaluate and document groundwater conditions within the SA-5/6/7 system and performance of the regional groundwater remedy.
- An institutional control (CEA) for groundwater will be established to identify groundwater impacts above the GWQS and prevent the use of groundwater within the designated CEA area.

Following review of this report by the NJDEP and Plaintiffs, and NJDEP establishment of a CEA, it is anticipated that Honeywell will obtain a Remedial Action Permit for Groundwater to address NJDEP requirements with respect to long-term monitoring, maintenance, and institutional controls for groundwater at SA-5.

## 5.0 REFERENCES

- Cornerstone, 2010. Operations Work Plan for In-Situ Chromium Mass Removal (Reductant Injection into the S-3 Sand), Study Area 7. October 22, 2010; revised April 19, 2011.
- Cornerstone, 2011. Annual Performance Report #2, Long Term Monitoring Plan, Study Area 7 Deep Overburden and Bedrock Groundwater Remedy. February 24, 2011.
- Enviro-Sciences, Inc., October 1996. Remedial Investigation Report and Remedial Action Work Plan for 440 Commons - Home Depot, Ryerson Steel/Mutual Chemical Site, Jersey City, New Jersey. October 1996; revised June 2007.
- Enviro-Sciences, Inc., 1997. Remedial Action Report for 440 Commons - Home Depot, Former Ryerson Steel/Mutual Chemical Site, Jersey City, New Jersey. December 1997; revised February 1998.
- HydroQual, Inc., 2007. Final Groundwater Investigation Report, Honeywell Study Area 7. February 2, 2007.
- HydroQual, Inc., 2008. Long Term Monitoring Plan, Deep Overburden and Bedrock Groundwater Remedy, Honeywell Study Area 7. June 13, 2008.
- Mactec, 2011a. Shallow Offsite Groundwater Delineation and Remedy Proposal Report. July 19, 2011.
- Mactec, 2011b. Receptor Evaluation Reports for the Hudson County Chromium Sites, February 28, 2011.
- TetraTech, Inc., 1999. Draft Remedial Investigation Report Study Area 5 NJDEP Site No. 079, 090, 117, 153 and 184 Jersey City, NJ. November 1999.

## TABLES

**Table 1**  
**Monitoring Well Construction Details**  
**Study Area 5 - Site 117 Ryerson Steel Site**  
**Jersey City, New Jersey**

Well ID	Northing	Easting	Date Installed	Casing Diameter (in)	Ground Elevation (MSL) <sup>2</sup>	Top of Casing Elevation (MSL) <sup>2</sup>	Top of Screen (feet bgs) <sup>3</sup>	Bottom of Screen (feet bgs) <sup>3</sup>	Top of Screen Elevation (MSL) <sup>2</sup>	Bottom of Screen Elevation (MSL) <sup>2</sup>
117-MW-A05	604115.91	684005.21	c.1997	2	18	18.50	6	16	12.5	2.5
117-MW-A014	603651.33	683698.66	c.1997	2	17	17.33	7	17	10.33	0.33
117-MW-A062	603928.97	684384.79	c.1997	2	18	18.32	5	15	13.32	3.32
117-MW-A085	603558.19	684201.79	c.1997	2	17	17.40	5	15	12.4	2.4
117-MW-A089	603352.69	683955.18	c.1997	2	13	13.17	6	16	7.17	-2.83
117-MW-A099	603743.66	684623.97	c.1997	2	16	15.95	4	14	11.95	1.95
117-MW-S4	603839.60	684702.80	c. 2006	2	16	15.49	10	20	5.49	-4.51

Notes:

1. Not Available
2. Elevations relative to mean sea level (MSL). Elevation Datum is NAD 1983.
3. Feet below ground surface.

**Table 2**  
**Groundwater Level Measurements and Elevations**  
**Study Area 5 - Site 117 Ryerson Steel Site**  
**Jersey City, New Jersey**

Monitoring Well	Date	Time	DTB (ft btoc)	TOC Elevation (ft amsl)	DTW (ft btoc)	GW Elevation (ft amsl)
117-MW-A05	09/09/2009	7:10	16.74	18.50	10.32	8.18
117-MW-A05	10/12/2009	8:45	16.41	18.50	10.72	7.78
117-MW-A014	09/09/2009	7:15	17.25	17.33	11.63	5.70
117-MW-A014	10/12/2009	8:53	17.51	17.33	11.88	5.45
117-MW-A014	10/19/2010	9:15	17.25	17.33	11.75	5.58
117-MW-A014	04/26/2011	7:20	17.2	17.33	11.32	6.01
117-MW-A062	09/09/2009	7:18	14.50	18.32	9.90	8.42
117-MW-A062	10/12/2009	11:05	14.50	18.32	10.37	7.95
117-MW-A085	09/09/2009	7:05	16.12	17.40	10.92	6.48
117-MW-A085	10/12/2009	7:40	16.35	17.40	11.38	6.02
117-MW-A089	09/09/2009	6:50	16.57	13.17	8.31	4.86
117-MW-A089	10/12/2009	7:55	NM	13.17	8.60	4.57
117-MW-A099	09/09/2009	9:50	14.70	15.95	7.98	7.97
117-MW-A099	10/12/2009	11:00	14.70	15.95	8.32	7.63
117-MW-S4	09/09/2009	NA	NA	NA	NA	NA
117-MW-S4	10/12/2009	10:02	19.84	15.49	7.52	7.97

Notes:

DTB = Depth-to-Bottom of well (i.e.total depth), measured from top of casing

TOC = Top of Casing

DTW = Depth-to-Water level below top of casing

ft bgs = feet below ground surface

ft amsl = feet above mean sea level

ft btoc = feet below top of casing

NA = Not applicable; well could not be gauged.

**Table 3**  
**Groundwater Field Measurements**  
**Study Area 5, Site 117 Ryerson Steel Site**  
**Jersey City, New Jersey**

Well ID	Date	pH (S.U.)	Cond. (ms/cm)	Turbidity (NTUs)	Diss. O <sub>2</sub> (mg/L)	Temp (°C)	Salinity (%)	Redox (mV)
117-MW-A05	9/9/2009	5.99	1.45	38.3	0.00	19.91	0.10	-75
117-MW-A014		6.05	1.27	25.1	0.00	18.88	0.06	31
117-MW-A062		6.37	1.75	38.3	0.00	19.32	0.08	-174
117-MW-A085		8.75	0.499	13.5	0.00	19.21	0.20	-263
117-MW-A089		6.84	2.31	58.7	0.00	19.36	0.10	-92
117-MW-A099		7.26	1.25	79.1	8.70	23.85	0.10	-154
117-MW-S4		NM	NM	NM	NM	NM	NM	NM
117-MW-A05	10/12/2009	6.44	0.509	7.4	0.43	18.60	0.00	-41
117-MW-A014		6.85	0.867	0.5	0.00	18.39	0.00	108
117-MW-A062		7.67	1.88	9.5	0.00	19.23	0.10	-119
117-MW-A085		10.56	0.378	14.2	0.00	19.24	0.00	-225
117-MW-A089		7.07	2.24	0.0	0.00	18.13	0.10	-156
117-MW-A099		8.33	1.7	2.9	0.00	21.27	0.10	-173
117-MW-S4		11.82	3.98	35.7	1.42	19.16	0.20	-99
117-MW-A014	10/19/2010	6.48	1.59	0	1.00	20.20	0.10	68
117-MW-A014	4/26/2011	6.45	0.778	0	0.75	14.28	0.00	138

Notes:

NR - No reading due to instrument malfunction.

NM - Not measured

**Table 4**  
**Summary of Analytical Groundwater Results - September and October 2009, October 2010 and April 2011**  
**Study Area 5 - Site 117 Ryerson Steel Site**  
**Jersey City, New Jersey**

Location	Sample Date	Field Sample ID	Lab Sample ID	Chromium (ug/L)	Hexavalent Chromium (ug/L)	Total Organic Carbon (mg/L)
117-MW-A014	9/9/2009	117-MW-A014-090909	JA27477-1	41.3	14J	-
117-MW-A014	9/9/2009	117-MW-A014F-090909	JA27477-1F	17.2	11J	-
117-MW-A014	10/12/2009	117-MW-A014-101209	JA30201-1	37.6	28J	2.9
117-MW-A014	10/12/2009	117-MW-A014F-101209	JA30201-1F	34.3	27J	-
117-MW-A014	10/19/2010	117-MW-A014-101910	JA59191-6	40.7	31J	-
117-MW-A014	10/19/2010	117-MW-A014F-101910	JA59191-6F	38.9	21J	-
117-MW-A014	4/26/2011	117-MW-A014-042610	JA74100-1	43.7	40J	-
117-MW-A014	4/26/2011	117-MW-A014F-042610	JA74100-1F	43.6	44J	-
117-MW-A05	9/9/2009	117-MW-A05-090909	JA27477-3	15.5	10UJ	-
117-MW-A05	9/9/2009	117-MW-A05F-090909	JA27477-3F	10U	10UJ	-
117-MW-A05	9/9/2009	117-MW-A05DP-090909	JA27477-4	16.7	10UJ	-
117-MW-A05	9/9/2009	117-MW-A05DPF-090909	JA27477-4F	10U	10UJ	-
117-MW-A05	10/12/2009	117-MW-A05-101209	JA30201-3	10U	10UJ	2
117-MW-A05	10/12/2009	117-MW-A05F-101209	JA30201-3F	10U	10UJ	-
117-MW-A05	10/12/2009	117-MW-A05DP-101209	JA30201-4	10U	10UJ	1.8
117-MW-A05	10/12/2009	117-MW-A05DPF-101209	JA30201-4F	10U	10UJ	-
117-MW-A062	9/9/2009	117-MW-A062-090909	JA27477-6	36.5	10UJ	-
117-MW-A062	9/9/2009	117-MW-A062F-090909	JA27477-6F	10U	10UJ	-
117-MW-A062	10/12/2009	117-MW-A062-101209	JA30201-6	<b>1570*</b>	10UJ	13.6
117-MW-A062	10/12/2009	117-MW-A062F-101209	JA30201-6F	55.1	10UJ	-
117-MW-A099	9/9/2009	117-MW-A99-090909	JA27477-7	42.6	10UJ	-
117-MW-A099	9/9/2009	117-MW-A99F-090909	JA27477-7F	10U	50UJ	-
117-MW-A099	10/12/2009	117-MW-A99-101209	JA30201-7	10.9	10UJ	6.8
117-MW-A099	10/12/2009	117-MW-A99F-101209	JA30201-7F	10U	10UJ	-
117-MW-A85	9/9/2009	117-MW-A85-090909	JA27477-5	<b>186*</b>	10UJ	-
117-MW-A85	9/9/2009	117-MW-A85F-090909	JA27477-5F	<b>111*</b>	10UJ	-
117-MW-A85	10/12/2009	117-MW-A85-101209	JA30201-5	<b>89.9*</b>	10UJ	9.6
117-MW-A85	10/12/2009	117-MW-A85F-101209	JA30201-5F	10U	10UJ	-
117-MW-A89	9/9/2009	117-MW-A89-090909	JA27477-2	<b>176*</b>	10UJ	-
117-MW-A89	9/9/2009	117-MW-A89F-090909	JA27477-2F	10U	10UJ	-
117-MW-A89	10/12/2009	117-MW-A89-101209	JA30201-2	30.5	10UJ	9.2
117-MW-A89	10/12/2009	117-MW-A89F-101209	JA30201-2F	10U	10UJ	-
117-MW-S4	10/12/2009	117-MW-S4-101209	JA30201-8	<b>334000*</b>	328000J	6.1
117-MW-S4	10/12/2009	117-MW-S4F-101209	JA30201-8F	<b>353000*</b>	325000J	-
117-QC	9/9/2009	117-MW-FB-090909	JA27477-8	10U	10UJ	-
117-QC	10/12/2009	117-MW-FB-101209	JA30201-9	10U	10UJ	1.0U
117-QC	10/19/2010	117-FB-101910	JA59191-7	4U	5.5UJ	-
117-QC	4/26/2011	117-FB-042611	JA74100-2	4U	5.5UJ	-

Note:

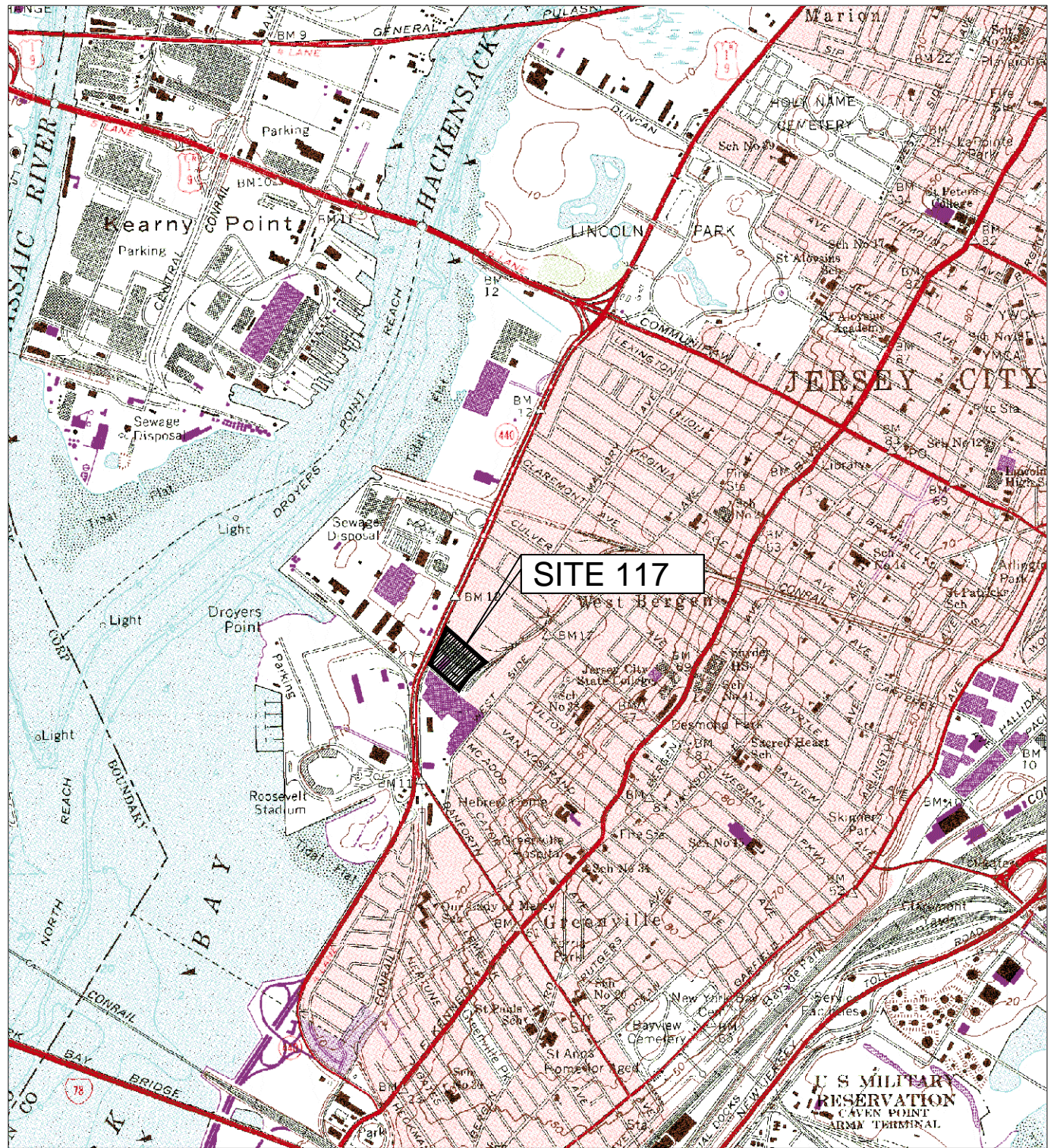
- U Not detected.
- J Estimated concentrations.
- \* Results exceeds the NJDEP GWQS of 70 ug/l for Chromium.
- Not Analyzed

Filtered samples are designated with an "F" at the end of sample and laboratory ID.



## FIGURES

FILE: P:\CADD\HONEYWELL\JERSEY CITY\SA 5\SITE 117 THE HOME DEPOT\GROUNDWATER\CURRENT DRAWINGS\FIGURE 1.DWG. DATE: 09/12/2011 01:35:31PM Layout: Layout



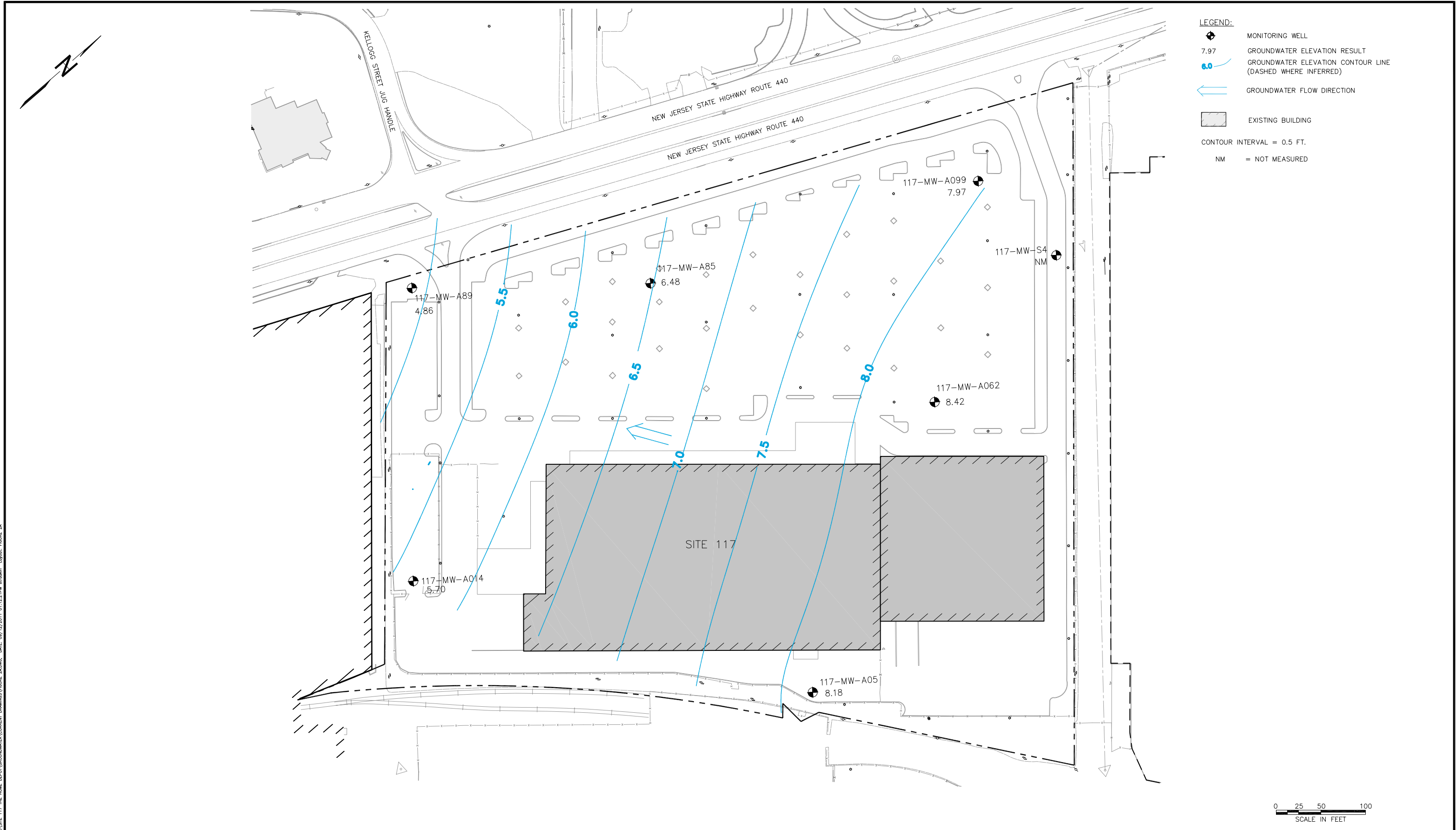
SOURCE: JERSEY CITY, NJ USGS QUADRANGLE MAP, 1983



**amec**  
 ENVIRONMENT & INFRASTRUCTURE  
 200 AMERICAN METRO BLVD, SUITE 113  
 HAMILTON, NEW JERSEY 08619

**FIGURE 1**  
 SITE LOCATION MAP  
 HONEYWELL  
 STUDY AREA 5 - SITE 117 RYERSON STEEL  
 JERSEY CITY, NEW JERSEY

FILE: P:\CADD\NEW JERSEY CITY, NJ\STATE 117 THE HOME DEPOT\GROUNDWATER\CURRENT DRAWINGS\FIGURE 2A.DWG, DATE: 09/12/2011 01:12:21 PM, STUDIO: layout, FIGURE 2A



REV.	DATE	STATUS	STR PRPD BY	AG CHKD BY
1	09/01/11	REVISED LOCATION MW-117-MW-S4, REVISE TITLEBLOCK		

AMEC PROJECT No. 3480050136  
DRAWING: FIGURE 2A

PREPARED/DATE:  
STR 12/09/09

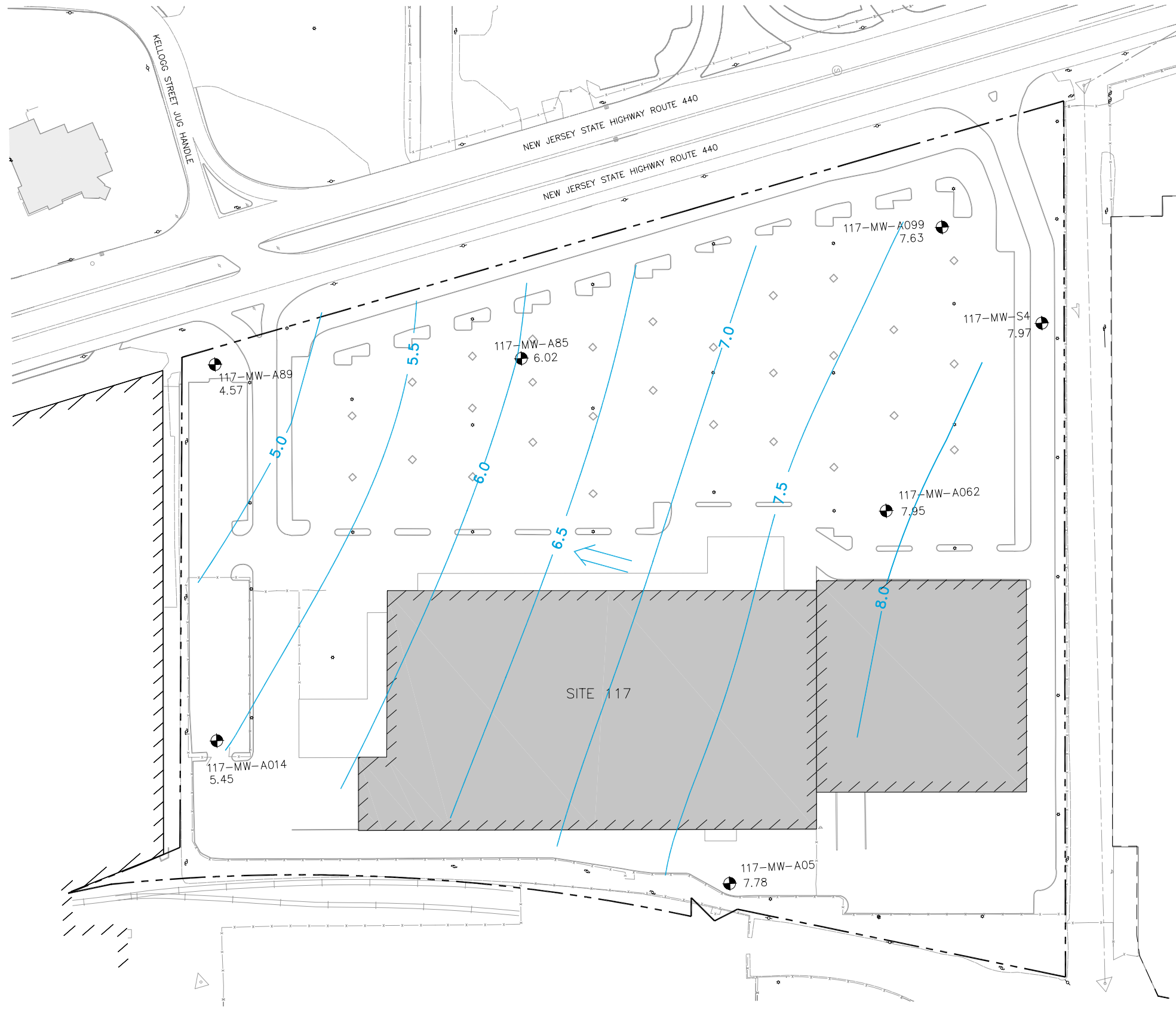
CHECKED/DATE:  
JH 12/11/09

**amec**

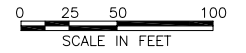
ENVIRONMENT & INFRASTRUCTURE  
200 AMERICAN METRO BLVD, SUITE 113  
HAMILTON, NEW JERSEY 08619

**FIGURE 2A**  
SHALLOW GROUNDWATER ELEVATION  
CONTOUR MAP 09/09/09  
STUDY AREA 5- SITE 117 RYERSON STEEL  
JERSEY CITY, NEW JERSEY

FILE: P:\CADD\NEW JERSEY CITY SA SITE 117 THE HOME DEPOT\GROUNDWATER\CURRENT DRAWINGS\FIGURE 2B.DWG, DATE: 09/12/2011 01:19:15PM strudis Layout: FIGURE 2B



- LEGEND:**
- MONITORING WELL
  - 7.63 GROUNDWATER ELEVATION RESULT
  - 6.0 GROUNDWATER ELEVATION CONTOUR LINE (DASHED WHERE INFERRED)
  - GROUNDWATER FLOW DIRECTION
  - EXISTING BUILDING
- CONTOUR INTERVAL = 0.5 FT.



REV.	DATE	STATUS	STR PRPD BY	AG CHKD BY
1	09/01/11	REVISED LOCATION MW-117-MW-S4, REVISE TITLEBLOCK		

AMEC PROJECT No. 3480050136  
DRAWING: FIGURE 2B

PREPARED/DATE:  
STR 12/11/09

CHECKED/DATE:  
JH 12/11/09

ENVIRONMENT & INFRASTRUCTURE  
200 AMERICAN METRO BLVD, SUITE 113  
HAMILTON, NEW JERSEY 08619

**FIGURE 2B**  
SHALLOW GROUNDWATER ELEVATION  
CONTOUR MAP 10/12/09  
STUDY AREA 5- SITE 117 RYERSON STEEL JERSEY  
CITY, NEW JERSEY

Location ID	New Jersey Groundwater Criteria 2008	117-MW-A085 11/11/1997	117-MW-A085 8/20/1998	117-MW-A085 4/14/1999	117-MW-A085 4/18/2003	117-MW-A085 7/18/2006	117-MW-A085 9/9/2009	117-MW-A085 10/12/2009
CHROMIUM	70	<b>8970</b>	<b>14100</b>	<b>119000</b>	<b>3380 J</b>	<b>3640</b>	<b>186</b>	<b>89.9</b>
HEXAVALENT CROMIUM	70	10 U	10 U	10 UJ	10 U	50 U	10 UJ	10 UJ
DISSOLVED CHROMIUM	70	<b>1130</b>	<b>8720</b>	<b>29000</b>	<b>2760 J</b>	<b>1020</b>	<b>111</b>	10 U
DISSOLVED HEXAVALENT CHROMIUM	70	20 U	10 U	10 UJ	10 U	50 U	10 UJ	10 UJ

Location ID	New Jersey Groundwater Criteria 2008	117-MW-A062 11/12/1997	117-MW-A062 8/19/1998	117-MW-A062 4/17/2003	117-MW-A062 7/19/2006	117-MW-A062 9/9/2009	117-MW-A062 10/12/2009
CHROMIUM	70	<b>1810</b>	<b>108</b>	<b>401 J</b>	<b>96.3</b>	36.5	<b>1570</b>
HEXAVALENT CROMIUM	70	10 UJ	10 U	10 U	50 UJ	10 UJ	10 UJ
DISSOLVED CHROMIUM	70	22.7	9.5 J	37.1 J	10 U	10 U	55.1
DISSOLVED HEXAVALENT CHROMIUM	70	10 UJ	10 U	10 U	50 UJ	10 UJ	10 UJ



Location ID	New Jersey Groundwater Criteria 2008	117-MW-A089 11/11/1997	117-MW-A089 8/21/1998	117-MW-A089 4/15/1999	117-MW-A089DUP 4/15/1999	117-MW-A089 4/17/2003	117-MW-A089 7/18/2006	117-MW-A089 9/9/2009	117-MW-A089 10/12/2009
CHROMIUM	70	<b>1870</b>	<b>122</b>	31.7 J	26.3 J	<b>452 J</b>	<b>784</b>	<b>176</b>	30.5
HEXAVALENT CROMIUM	70	<b>1750</b>	11.6	10 U	10 U	<b>416</b>	<b>550</b>	10 UJ	10 UJ
DISSOLVED CHROMIUM	70	<b>1790</b>	52.6	11.3 J	10.3 J	<b>401 J</b>	<b>189</b>	10 U	10 U
DISSOLVED HEXAVALENT CHROMIUM	70	<b>1720</b>	10 U	10 U	10 U	<b>416</b>	<b>310</b>	10 UJ	10 UJ

Location ID	New Jersey Groundwater Criteria 2008	117-MW-A099 11/11/1997	117-MW-A099 8/19/1998	117-MW-A099 4/15/1999	117-MW-A099 4/17/2003	117-MW-A099 7/26/2006	117-MW-A099 9/9/2009	117-MW-A099 10/12/2009
CHROMIUM	70	<b>504</b>	<b>130</b>	<b>215</b>	<b>78.4</b>	<b>84.3</b>	42.6	10.9
HEXAVALENT CROMIUM	70	10 U	10 U	10 U	10 U	50 U	10 UJ	10 UJ
DISSOLVED CHROMIUM	70	NA	17.5	3 B	<b>82.4</b>	10	10 U	10 U
DISSOLVED HEXAVALENT CHROMIUM	70	NA	10 U	10 U	10 U	50 U	50 UJ	10 UJ

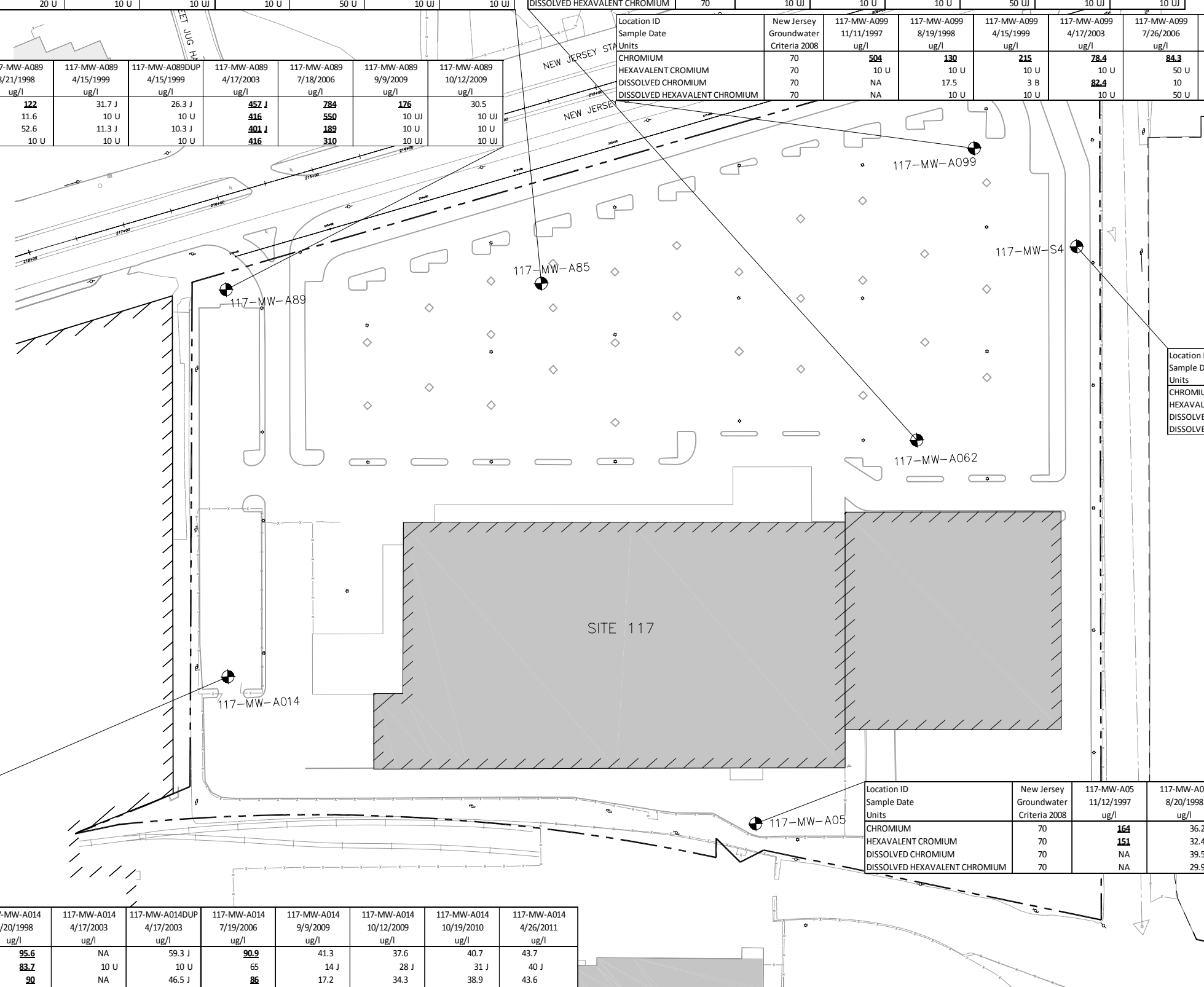
Location ID	New Jersey Groundwater Criteria 2008	117-MW-S4 9/9/2009	117-MW-S4 10/12/2009
CHROMIUM	70	Not Sampled	<b>334000</b>
HEXAVALENT CROMIUM	70	Not Sampled	<b>328000 J</b>
DISSOLVED CHROMIUM	70	Not Sampled	<b>353000</b>
DISSOLVED HEXAVALENT CHROMIUM	70	Not Sampled	<b>325000 J</b>

Location ID	New Jersey Groundwater Criteria 2008	117-MW-A05 11/12/1997	117-MW-A05 8/20/1998	117-MW-A05 4/17/2003	117-MW-A05 9/9/2009	117-MW-A05 DUP 9/9/2009	117-MW-A05 10/12/2009	117-MW-A05 DUP 10/12/2009
CHROMIUM	70	<b>164</b>	36.2	NA	15.5	16.7	10 U	10 U
HEXAVALENT CROMIUM	70	<b>151</b>	32.4	10 U	10 UJ	10 UJ	10 UJ	10 UJ
DISSOLVED CHROMIUM	70	NA	39.5	NA	10 U	10 U	10 U	10 U
DISSOLVED HEXAVALENT CHROMIUM	70	NA	29.9	10 U	10 UJ	10 UJ	10 UJ	10 UJ


Location ID	New Jersey Groundwater Criteria 2008	117-MW-A014 11/11/1997	117-MW-A014 8/20/1998	117-MW-A014 4/17/2003	117-MW-A014DUP 4/17/2003	117-MW-A014 7/19/2006	117-MW-A014 9/9/2009	117-MW-A014 10/12/2009	117-MW-A014 10/19/2010	117-MW-A014 4/26/2011
CHROMIUM	70	<b>133</b>	<b>95.6</b>	NA	59.3 J	<b>90.9</b>	41.3	37.6	40.7	43.7
HEXAVALENT CROMIUM	70	<b>131</b>	<b>83.7</b>	10 U	10 U	65	14 J	28 J	31 J	40 J
DISSOLVED CHROMIUM	70	NA	<b>90</b>	NA	46.5 J	<b>86</b>	17.2	34.3	38.9	43.6
DISSOLVED HEXAVALENT CHROMIUM	70	NA	<b>86.2</b>	10 U	10 U	65	11 J	27 J	21 J	44 J

**LEGEND:**  
 MONITORING WELL  
 EXISTING BUILDING

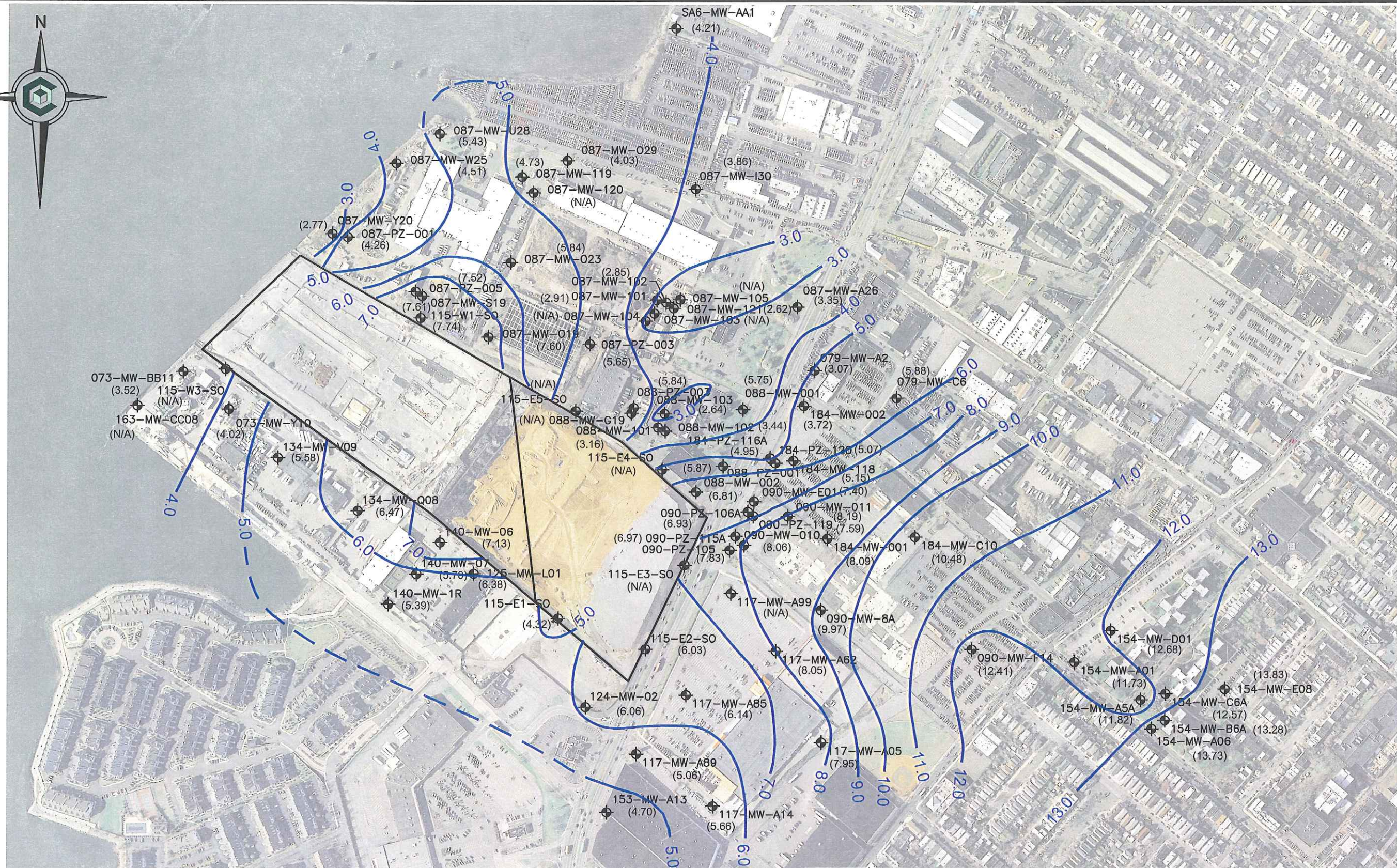
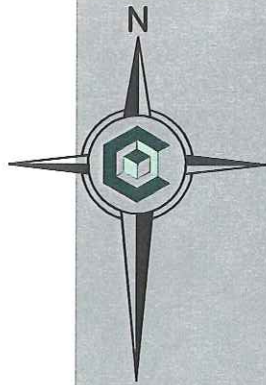
**NOTES:**  
 GROUNDWATER SAMPLE RESULTS:  
**BOLD UNDERLINED VALUES EXCEED THE NJDEP GROUNDWATER QUALITY STANDARD (GWQS) OF 70 mg/L FOR TOTAL CHROMIUM**  
 U - COMPOUND NOT DETECTED  
 J - ESTIMATED CONCENTRATION ABOVE DETECTION LIMIT



FILE: P:\CAD\WORKWELL\NEWEST\_CITY\30 SITE 117 THE HOME DEPOT GROUNDWATER CURRENT DRAWINGS\FIGURE 3.DWG. DATE: 09/12/2011 01:22:18PM erandis Layout: FIGURE 3

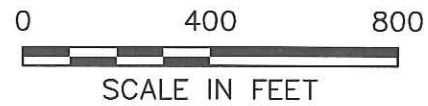
AMEC PROJECT No. 3480050136 DRAWING: FIGURE 3		 ENVIRONMENT & INFRASTRUCTURE 200 AMERICAN METRO BLVD, SUITE 113 HAMILTON, NEW JERSEY 08619	<b>FIGURE 3</b> SHALLOW GROUNDWATER MONITORING WELLS AND RESULTS STUDY AREA 5- SITE 117 RYERSON STEEL JERSEY CITY, NEW JERSEY	
PREPARED/DATE: STR 12/09/09	CHECKED/DATE: JH 12/11/09			
1 09/01/11 REVISED CHEM BOXES, REVISE TITLEBLOCK REV. DATE STATUS	STR PRPD BY AG CHKD BY			

**APPENDIX A**  
**REFERENCE FIGURES FROM REGIONAL MONITORING PROGRAM**



**LEGEND:**

- 154-MW-E08  
(13.83)
SHALLOW MONITORING WELL  
WATER LEVEL ELEVATION (FT, MSL)
- 1.0
GROUNDWATER CONTOUR (FT, MSL)



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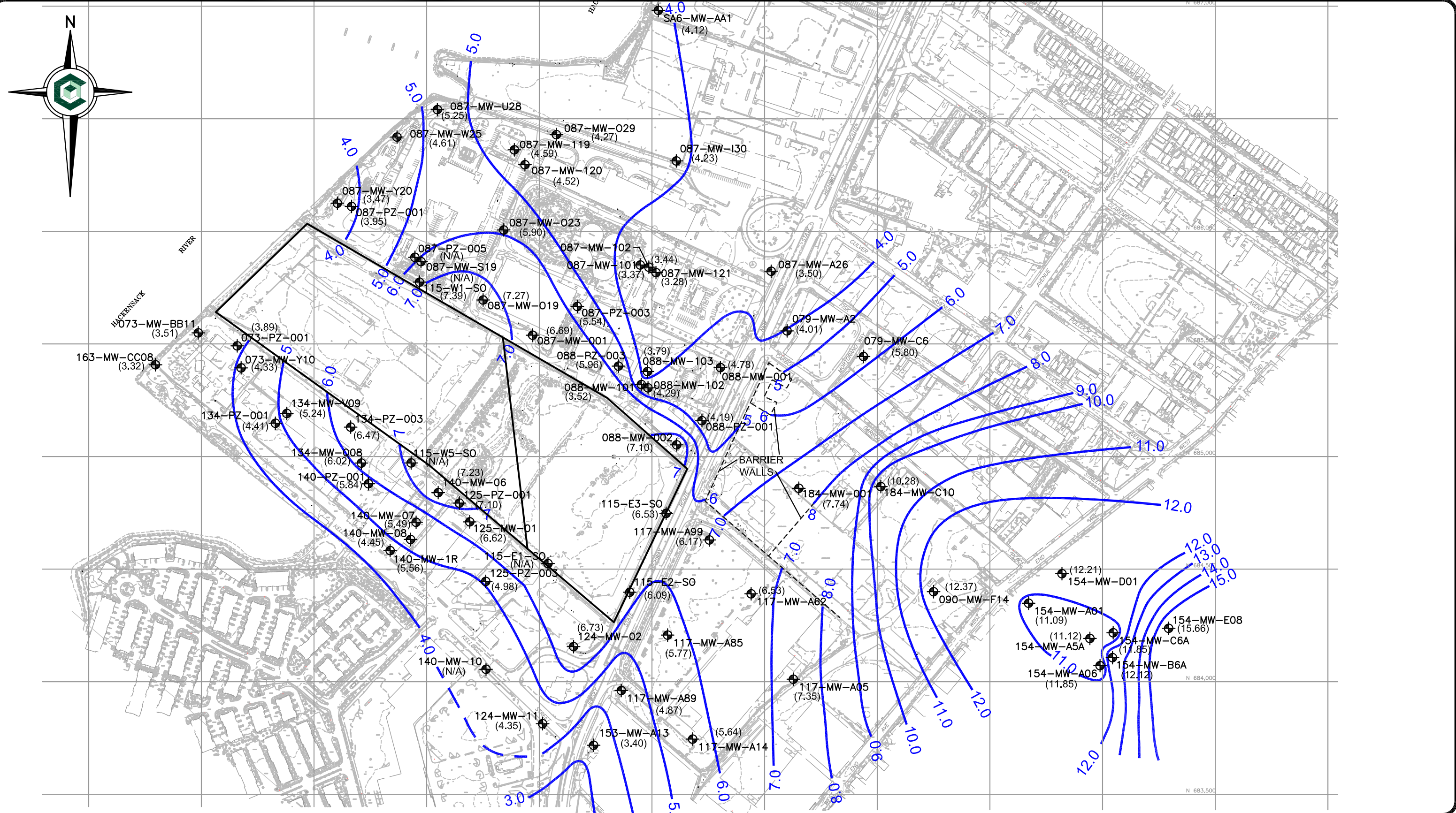
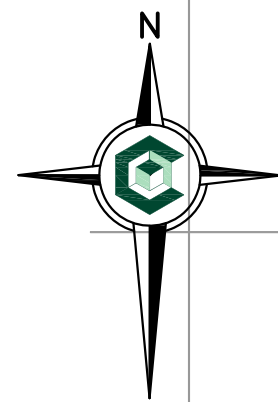
HONEYWELL  
STUDY AREA 7

**GROUNDWATER ELEVATION CONTOURS  
SHALLOW ZONE - DECEMBER 17 2009**

FIGURE NO.

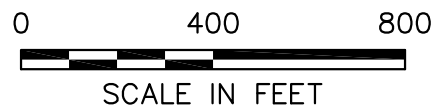
**2-3**

PROJECT NO.  
090354



**LEGEND:**

- ◆ 154-MW-E08 (12.72) SHALLOW MONITORING WELL
- WATER LEVEL ELEVATION (FT, MSL)
- 1.0 GROUNDWATER CONTOUR (FT, MSL)



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HONEYWELL  
STUDY AREA 7

**GROUNDWATER ELEVATION CONTOURS  
SHALLOW ZONE - JUNE 2011**

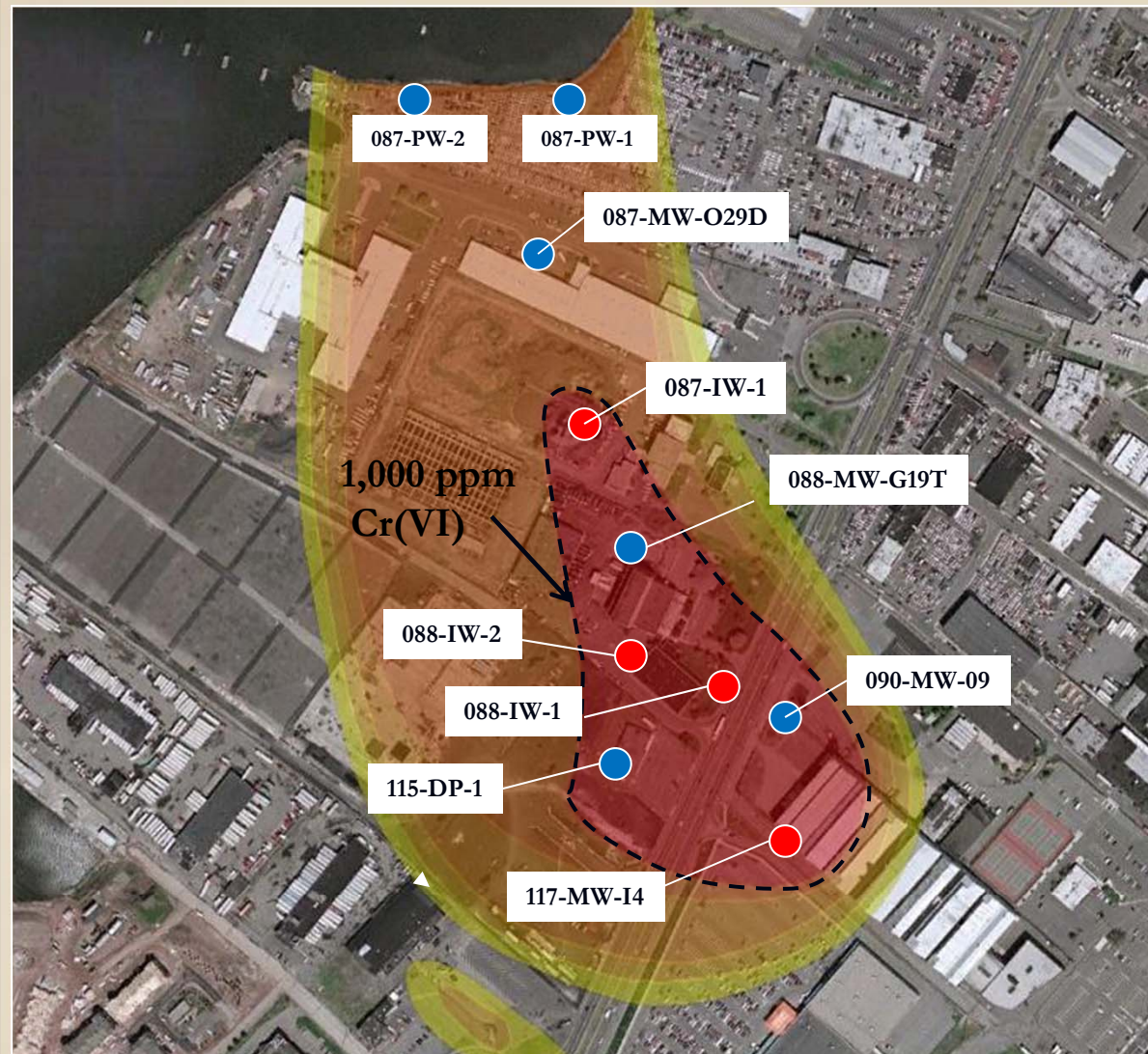
FIGURE NO.

PROJECT NO.  
090354



## LEGEND

- Proposed Reductant Injection Well
- Proposed Monitoring Well



Note: Hexavalent chromium plume taken from Figure 4.5-5 of the FGIR.  
Darker red area is defined by the 1,000 ppm iso-concentration contour.

Figure 1-1

Proposed Injection Well and  
Monitoring Well Locations

Study Area 7, Jersey City, NJ



**APPENDIX B**  
**GROUNDWATER FIELD SAMPLING FORMS/  
GROUNDWATER CONTOUR MAP REPORTING FORMS**

**September 2009**  
**Groundwater Field Sampling Forms/Contour Map Reporting Form**



Groundwater Sampling Form

Job Name: Honeywell - SA-5 - (Site 117)
Job Number: 3480050164 Task: 2100

Well Number: 117-MW-A05
Well Type: Monitor [checked] Other [ ]
Well Material: PVC [checked] Stainless Steel [ ] Steel [ ] Other [ ]

WELL PURGING INFORMATION

PURGE VOLUME

Low Flow Method: [checked]
3 to 5 Volume Purge Method: [ ]
Number of Well Volumes to be Purged: NA
Casing Diameter (D in Inches): 4
Total Depth of Casing (TD in feet BTOC):
Screen Interval in Feet (BTOC) from to

PURGE METHOD

Bailer - Type: NA
Submersible [ ] Centrifugal [ ]
Bladder [ ] Peristaltic [checked] Other [ ]

PUMP INTAKE SETTING

Near Bottom [ ] Near Top [ ]
Center [checked]
Other [ ]

PURGE VOLUME CALCULATIONS

( ) x ^2 x x 0.0408 = NA Gallons
Calculated Purge Volume

Purge Water Disposal: San. Sewer [ ] Drum [ ] Type Other [checked] Treatment System
Storm Sewer [ ] Size

INSTRUMENT IDENTIFICATION RECORD AND FIELD MEASUREMENTS

Instrument Type: Horiba U-22 Depth to Water: 10.32 Time: 8:35 Date: 9/9/2009
Serial Number: 13198 Depth to Bottom of Well: 16.74 PID Reading (inside of Casing): NM
For Calibration Information, See Instrument Calibration Record Sheet Dated: 9/9/2009

FIELD PARAMETER MEASUREMENTS

Recorded By: (Signature) Sampled By: BS Purge Start Time: 8:36

Table with 13 columns: Time, Minutes Elapsed, Rate (mL/gpm), Purged (mL/Gal), pH (S.U.), Cond. (ms/cm), Turbidity (NTUs), Diss. O2 (mg/L), Temp (°C), Salinity (%), Redox (mV), Depth to Water, Comments. Contains data rows from 8:40 to 9:19.

Note: > = Greater Than < = Less Than NM = Not Measured EF = Equipment Failure

OBSERVATIONS DURING WELL PURGING

Well Condition: Good Odor: None
Color of GW: Clear Other:
Sample Time: 9:12 Additional Samples: [checked] Sample Time: 9:19
Sample ID: 117-MW-A05-090909 Sample ID: DUP, MS, MSD



Groundwater Sampling Form

Job Name: Honeywell - SA-5 - (Site 117)
Job Number: 3480050164 Task: 2100

Well Number: 117-MW-A014
Well Type: Monitor [checked] Other [ ]
Well Material: PVC [checked] Stainless Steel [ ] Steel [ ] Other [ ]

WELL PURGING INFORMATION

PURGE VOLUME

Low Flow Method: [checked]
3 to 5 Volume Purge Method: [ ]
Number of Well Volumes to be Purged: NA
Casing Diameter (D in Inches) 4
Total Depth of Casing (TD in feet BTOC):
Screen Interval in Feet (BTOC) from to

PURGE METHOD

Bailer - Type: NA
Submersible [ ] Centrifugal [ ]
Bladder [ ] Peristaltic [checked]
PUMP INTAKE SETTING
Near Bottom [ ] Near Top [ ]
Center [checked]
Other [ ]

PURGE VOLUME CALCULATIONS

( ) x ( )^2 x ( ) x 0.0408 = NA Gallons
TD WL D No. Volumes Calculated Purge Volume

Purge Water Disposal: San. Sewer [ ] Drum [ ] Type Other [checked] Treatment System
Storm Sewer [ ] Size

INSTRUMENT IDENTIFICATION RECORD AND FIELD MEASUREMENTS

Instrument Type: Horiba U-22 Depth to Water: 11.63 Time: 8:46 Date: 9/9/2009
Serial Number: T203031 Depth to Bottom of Well: 17.25 PID Reading (inside of Casing): NM
For Calibration Information, See Instrument Calibration Record Sheet Dated: 9/9/2009

FIELD PARAMETER MEASUREMENTS

Recorded By: (Signature) Sampled By: FP Purge Start Time: 8:50

Table with 13 columns: Time, Minutes Elapsed, Rate (lpm/gpm), Purged (L/Gal), pH (S.U.), Cond. (ms/cm), Turbidity (NTUs), Diss. O2 (mg/L), Temp (°C), Salinity (%), Redox (mV), Depth to Water, Comments. Data rows from 8:50 to 9:30.

Note: > = Greater Than < = Less Than NM = Not Measured EF = Equipment Failure

OBSERVATIONS DURING WELL PURGING

Well Condition: Poor; no screws; water in casing Odor: None
Color of GW: Clear Other:
Sample Time: 9:30 Additional Samples: [ ] Sample Time:
Sample ID: 117-MW-A014-090909 Sample ID:



Groundwater Sampling Form

Job Name: Honeywell - SA-5 - (Site 117)
Job Number: 3480050164 Task: 2100

Well Number: 117-MW-A062
Well Type: Monitor [checked] Other [ ]
Well Material: PVC [checked] Stainless Steel [ ] Steel [ ] Other [ ]

WELL PURGING INFORMATION

PURGE VOLUME

Low Flow Method: [checked]
3 to 5 Volume Purge Method: [ ]
Number of Well Volumes to be Purged: NA
Casing Diameter (D in Inches) 4
Total Depth of Casing (TD in feet BTOC):
Screen Interval in Feet (BTOC) from to

PURGE METHOD

Bailer - Type: NA
Submersible [ ] Centrifugal [ ]
Bladder [ ] Peristaltic [checked]
PUMP INTAKE SETTING
Near Bottom [ ] Near Top [ ]
Center [checked]
Other [ ]

PURGE VOLUME CALCULATIONS

( ) x ( )^2 x ( ) x 0.0408 = NA Gallons
TD WL D No. Volumes Calculated Purge Volume

Purge Water Disposal: San. Sewer [ ] Drum [ ] Type Other [checked] Treatment System
Storm Sewer [ ] Size

INSTRUMENT IDENTIFICATION RECORD AND FIELD MEASUREMENTS

Instrument Type: Horiba U-22 Depth to Water: 9.90 Time: 10:08 Date: 9/9/2009
Serial Number: T203031 Depth to Bottom of Well: 14.5 PID Reading (inside of Casing): NM
For Calibration Information, See Instrument Calibration Record Sheet Dated: 9/9/2009

FIELD PARAMETER MEASUREMENTS

Recorded By: (Signature) Sampled By: FP Purge Start Time: 10:10

Table with 13 columns: Time, Minutes Elapsed, Rate (lpm/gpm), Purged (L/Gal), pH (S.U.), Cond. (ms/cm), Turbidity (NTUs), Diss. O2 (mg/L), Temp (°C), Salinity (%), Redox (mV), Depth to Water, Comments. Data rows from 10:10 to 10:45.

Note: > = Greater Than < = Less Than NM = Not Measured EF = Equipment Failure

OBSERVATIONS DURING WELL PURGING

Well Condition Good Odor: Fuel odor
Color of GW: Clear Other:
Sample Time: 10:50 Additional Samples: [ ] Sample Time:
Sample ID: 117-MW-A062-090909 Sample ID:



Groundwater Sampling Form

Job Name: Honeywell - SA-5 - (Site 117)
Job Number: 3480050164 Task: 2100

Well Number: 117-MW-A85
Well Type: Monitor [checked] Other [ ]
Well Material: PVC [checked] Stainless Steel [ ] Steel [ ] Other [ ]

WELL PURGING INFORMATION

PURGE VOLUME

Low Flow Method: [checked]
3 to 5 Volume Purge Method: [ ]
Number of Well Volumes to be Purged: NA
Casing Diameter (D in Inches) 4
Total Depth of Casing (TD in feet BTOC):
Screen Interval in Feet (BTOC) from to

PURGE METHOD

Bailer - Type: NA
Submersible [ ] Centrifugal [ ]
Bladder [ ] Peristaltic [checked]
PUMP INTAKE SETTING
Near Bottom [ ] Near Top [ ]
Center [checked]
Other [ ]

PURGE VOLUME CALCULATIONS

( ) x ^2 x 0.0408 = NA Gallons
TD WL D No. Volumes Calculated Purge Volume

Purge Water Disposal: San. Sewer [ ] Drum [ ] Type Other [checked] Treatment System
Storm Sewer [ ] Size

INSTRUMENT IDENTIFICATION RECORD AND FIELD MEASUREMENTS

Instrument Type: Horiba U-22 Depth to Water: 10.92 Time: 7:23 Date: 9/9/2009
Serial Number: T203031 Depth to Bottom of Well: 16.12 PID Reading (inside of Casing): NM
For Calibration Information, See Instrument Calibration Record Sheet Dated: 9/9/2009

FIELD PARAMETER MEASUREMENTS

Recorded By: (Signature) Sampled By: FP Purge Start Time: 7:25

Table with 13 columns: Time, Minutes Elapsed, Rate (lpm/gpm), Purged (L/Gal), pH (S.U.), Cond. (ms/cm), Turbidity (NTUs), Diss. O2 (mg/L), Temp (°C), Salinity (%), Redox (mV), Depth to Water, Comments. Data rows from 7:25 to 8:05.

Note: > = Greater Than < = Less Than NM = Not Measured EF = Equipment Failure

OBSERVATIONS DURING WELL PURGING

Well Condition: Poor; no screws; water in casing
Color of GW: Clear
Sample Time: 8:05
Sample ID: 117-MW-A85-090909
Odor: Faint at start but dissipated
Other:
Additional Samples: [ ] Sample Time:
Sample ID:



Groundwater Sampling Form

Job Name: Honeywell - SA-5 - (Site 117)
Job Number: 3480050164 Task: 2100

Well Number: 117-MW-A89
Well Type: Monitor [checked] Other [ ]
Well Material: PVC [checked] Stainless Steel [ ] Steel [ ] Other [ ]

WELL PURGING INFORMATION

PURGE VOLUME

Low Flow Method: [checked]
3 to 5 Volume Purge Method: [ ]
Number of Well Volumes to be Purged: NA
Casing Diameter (D in Inches): 4
Total Depth of Casing (TD in feet BTOC):
Screen Interval in Feet (BTOC) from to

PURGE METHOD

Bailer - Type: NA
Submersible [ ] Centrifugal [ ]
Bladder [ ] Peristaltic [checked]
PUMP INTAKE SETTING
Near Bottom [ ] Near Top [ ]
Center [checked]
Other [ ]

PURGE VOLUME CALCULATIONS

( ) x ^2 x x 0.0408 = NA Gallons
TD WL D No. Volumes Calculated Purge Volume

Purge Water Disposal: San. Sewer [ ] Storm Sewer [ ] Drum [ ] Type Other [checked] Treatment System Size

INSTRUMENT IDENTIFICATION RECORD AND FIELD MEASUREMENTS

Instrument Type: Horiba U-22 Depth to Water: 8.31 Time: 7:15 Date: 9/9/2009
Serial Number: 13198 Depth to Bottom of Well: 16.57 PID Reading (inside of Casing): NM
For Calibration Information, See Instrument Calibration Record Sheet Dated: 9/9/2009

FIELD PARAMETER MEASUREMENTS

Recorded By: (Signature) Sampled By: BS Purge Start Time: 7:18

Table with 13 columns: Time, Minutes Elapsed, Rate (mlpm/gpm), Purged (mL/Gal), pH (S.U.), Cond. (ms/cm), Turbidity (NTUs), Diss. O2 (mg/L), Temp (°C), Salinity (%), Redox (mV), Depth to Water, Comments. Data rows from 7:20 to 8:06.

Note: > = Greater Than < = Less Than NM = Not Measured EF = Equipment Failure

OBSERVATIONS DURING WELL PURGING

Well Condition: Good Odor: None
Color of GW: Clear Other:
Sample Time: 8:06 Additional Samples: [ ] Sample Time:
Sample ID: 117-MW-A89-090909 Sample ID:





Groundwater Sampling Form

Job Name: Honeywell - SA-5 - (Site 117)
Job Number: 3480050164 Task: 2100

Well Number: 117-MW-A099
Well Type: Monitor [checked] Other [ ]
Well Material: PVC [checked] Stainless Steel [ ] Steel [ ] Other [ ]

WELL PURGING INFORMATION

PURGE VOLUME: Low Flow Method [checked], 3 to 5 Volume Purge Method [ ], Number of Well Volumes to be Purged: NA, Casing Diameter (D in Inches): 4, Total Depth of Casing (TD in feet BTOC):, Screen Interval in Feet (BTOC) from to, PURGE METHOD: Bailer - Type: NA, Submersible [ ], Centrifugal [ ], Bladder [ ], Peristaltic [checked], PURGE VOLUME CALCULATIONS: ( ) x ^2 x 0.0408 = NA Gallons, Purge Water Disposal: San. Sewer [ ], Storm Sewer [ ], Drum [ ], Type, Other [checked] Treatment System

INSTRUMENT IDENTIFICATION RECORD AND FIELD MEASUREMENTS

Instrument Type: Horiba U-22 Depth to Water: 7.98 Time: 9:58 Date: 9/9/2009
Serial Number: 13198 Depth to Bottom of Well: 14.70 PID Reading (inside of Casing): NM
For Calibration Information, See Instrument Calibration Record Sheet Dated: 9/9/2009

FIELD PARAMETER MEASUREMENTS

Recorded By: (Signature) Sampled By: BS Purge Start Time: 9:59

Table with 13 columns: Time, Minutes Elapsed, Rate (mlpm/gpm), Purged (mL/Gal), pH (S.U.), Cond. (ms/cm), Turbidity (NTUs), Diss. O2 (mg/L), Temp (°C), Salinity (%), Redox (mV), Depth to Water, Comments. Data rows from 10:00 to 10:36.

Note: > = Greater Than < = Less Than NM = Not Measured EF = Equipment Failure

OBSERVATIONS DURING WELL PURGING

Well Condition: Good Odor: Fuel Oil Odor
Color of GW: Sheen/ Light gray Other: DNAPL on tip - Not measurable
Sample Time: 10:36 Additional Samples: [ ] Sample Time:
Sample ID: 117-MW-A099-090909 Sample ID:

**Contour Map Reporting Form**  
**Study Area 5 - Site 117 Ryerson Steel Site**  
**Jersey City, New Jersey**  
**September 2009**

This reporting form shall accompany each groundwater elevation contour map submittal. Use additional sheets as necessary.

1. Did any surveyed well casing elevations change from the previous sampling event? Yes \_\_\_ No X. If yes, attach new "Well Certification Form B" and identify the reason for the elevation change (damage to casing, installation or recovery system in monitoring well, etc.)
2. Are there any monitor wells in unconfined aquifers in which the water table elevation is higher than the top of the well screen? Yes \_\_\_ No X. If yes, identify these wells.
3. Are there any monitor wells present at the site but omitted from the contour map? Yes \_\_\_ No X. Unless the omission of the well(s) has been previously approved by the department, justify the omissions.
4. Are there any monitor wells containing separate phase product during this measuring event? Yes \_\_\_ No X. Were any of the monitor wells with separate phase product included in the groundwater contour map? Yes \_\_\_ No X. If yes, show the formula used to correct the water table elevation.
5. Has the groundwater flow direction changed more than 45° from the previous groundwater contour map? Yes \_\_\_ No X. If yes, discuss the reasons for the change.
6. Has the groundwater mounding and/or depressions been identified in the groundwater contour map? Yes \_\_\_ No X. Unless the groundwater mounds and/or depressions are caused by the groundwater remediation system, discuss the reasons for this occurrence.
7. Are all the wells used in the contour map screened in the same water-bearing zone? Yes X. No \_\_\_. If no, justify inclusion of those wells.
8. Were the groundwater contours computer generated \_\_\_, computer aided X, or hand-drawn \_\_\_? If computer aided or generated, identify the interpolation method(s) used.  
*Kriging method.*

**October 2009**  
**Groundwater Field Sampling Forms/Contour Map Reporting Form**



Groundwater Sampling Form

Job Name: Honeywell - SA-5 - (Site 117)
Job Number: 3480050164 Task: 2100

Well Number: 117-MW-A05
Well Type: Monitor [checked] Other [ ]
Well Material: PVC [checked] Stainless Steel [ ] Steel [ ] Other [ ]

WELL PURGING INFORMATION

PURGE VOLUME

Low Flow Method: [checked]
3 to 5 Volume Purge Method: [ ]
Number of Well Volumes to be Purged: NA
Casing Diameter (D in Inches): 4
Total Depth of Casing (TD in feet BTOC):
Screen Interval in Feet (BTOC) from to

PURGE METHOD

Bailer - Type: NA
Submersible [ ] Centrifugal [ ]
Bladder [ ] Peristaltic [checked] Other [ ]

PUMP INTAKE SETTING

Near Bottom [ ] Near Top [ ]
Center [checked]
Other [ ]

PURGE VOLUME CALCULATIONS

( ) x ^2 x x 0.0408 = NA Gallons
Calculated Purge Volume

Purge Water Disposal: San. Sewer [ ] Drum [ ] Type Other [checked] Treatment System
Storm Sewer [ ] Size

INSTRUMENT IDENTIFICATION RECORD AND FIELD MEASUREMENTS

Instrument Type: Horiba U-22 Depth to Water: 10.72 Time: 8:45 Date: 10/12/2009
Serial Number: 11850 Depth to Bottom of Well: 16.41 PID Reading (inside of Casing): 0
For Calibration Information, See Instrument Calibration Record Sheet Dated: 10/12/2009

FIELD PARAMETER MEASUREMENTS

Recorded By: (Signature) Sampled By: MD Purge Start Time: 8:52

Table with 13 columns: Time, Minutes Elapsed, Rate (lpm/gpm), Purged (L/Gal), pH (S.U.), Cond. (ms/cm), Turbidity (NTUs), Diss. O2 (mg/L), Temp (°C), Salinity (%), Redox (mV), Depth to Water, Comments. Contains 5 rows of data.

Note: > = Greater Than < = Less Than NM = Not Measured EF = Equipment Failure

OBSERVATIONS DURING WELL PURGING

Well Condition: Missing bolts Odor: None
Color of GW: Clear Other:
Sample Time: 9:23 Additional Samples: [checked] Sample Time: 9:28
Sample ID: 117-MW-A05-101209 Sample ID: DUP, MS, MSD



Groundwater Sampling Form

Job Name: Honeywell - SA-5 - (Site 117)
Job Number: 3480050164 Task: 2100

Well Number: 117-MW-A014
Well Type: Monitor [checked] Other [ ]
Well Material: PVC [checked] Stainless Steel [ ] Steel [ ] Other [ ]

WELL PURGING INFORMATION

PURGE VOLUME

Low Flow Method: [checked]
3 to 5 Volume Purge Method: [ ]
Number of Well Volumes to be Purged: NA
Casing Diameter (D in Inches) 4
Total Depth of Casing (TD in feet BTOC):
Screen Interval in Feet (BTOC) from to

PURGE METHOD

Bailer - Type: NA
Submersible [ ] Centrifugal [ ]
Bladder [ ] Peristaltic [checked]
PUMP INTAKE SETTING
Near Bottom [ ] Near Top [ ]
Center [checked]
Other [ ]

PURGE VOLUME CALCULATIONS

( ) x ( )^2 x ( ) x 0.0408 = NA Gallons
TD WL D No. Volumes Calculated Purge Volume

Purge Water Disposal: San. Sewer [ ] Drum [ ] Type Other [checked] Treatment System
Storm Sewer [ ] Size

INSTRUMENT IDENTIFICATION RECORD AND FIELD MEASUREMENTS

Instrument Type: Horiba U-22 Depth to Water: 11.88 Time: 9:05 Date: 10/12/2009
Serial Number: 8300 Depth to Bottom of Well: 17.51 PID Reading (inside of Casing): 0
For Calibration Information, See Instrument Calibration Record Sheet Dated: 10/12/2009

FIELD PARAMETER MEASUREMENTS

Recorded By: (Signature) Sampled By: BS Purge Start Time: 9:08

Table with 13 columns: Time, Minutes Elapsed, Rate (lpm/gpm), Purged (L/Gal), pH (S.U.), Cond. (ms/cm), Turbidity (NTUs), Diss. O2 (mg/L), Temp (°C), Salinity (%), Redox (mV), Depth to Water, Comments. Data rows from 9:10 to 9:46.

Note: > = Greater Than < = Less Than NM = Not Measured EF = Equipment Failure

OBSERVATIONS DURING WELL PURGING

Well Condition Fair Odor: None
Color of GW: Clear Other:
Sample Time: 9:46 Additional Samples: [ ] Sample Time:
Sample ID: 117-MW-A014-101209 Sample ID:



Groundwater Sampling Form

Job Name: Honeywell - SA-5 - (Site 117)
Job Number: 3480050164 Task: 2100

Well Number: 117-MW-A062
Well Type: Monitor [checked] Other [ ]
Well Material: PVC [checked] Stainless Steel [ ] Steel [ ] Other [ ]

WELL PURGING INFORMATION

PURGE VOLUME

Low Flow Method: [checked]
3 to 5 Volume Purge Method: [ ]
Number of Well Volumes to be Purged: NA
Casing Diameter (D in Inches) 4
Total Depth of Casing (TD in feet BTOC):
Screen Interval in Feet (BTOC) from to

PURGE METHOD

Bailer - Type: NA
Submersible [ ] Centrifugal [ ]
Bladder [ ] Peristaltic [checked]
PUMP INTAKE SETTING
Near Bottom [ ] Near Top [ ]
Center [checked]
Other [ ]

PURGE VOLUME CALCULATIONS

( ) x ( )^2 x ( ) x 0.0408 = NA Gallons
TD WL D No. Volumes Calculated Purge Volume

Purge Water Disposal: San. Sewer [ ] Drum [ ] Type Other [checked] Treatment System
Storm Sewer [ ] Size

INSTRUMENT IDENTIFICATION RECORD AND FIELD MEASUREMENTS

Instrument Type: Horiba U-22 Depth to Water: 10.37 Time: 12:20 Date: 10/12/2009
Serial Number: 8300 Depth to Bottom of Well: 14.5 PID Reading (inside of Casing): 39.7
For Calibration Information, See Instrument Calibration Record Sheet Dated: 10/12/2009

FIELD PARAMETER MEASUREMENTS

Recorded By: (Signature) Sampled By: BS/MD Purge Start Time: 12:21

Table with 13 columns: Time, Minutes Elapsed, Rate (lpm/gpm), Purged (L/Gal), pH (S.U.), Cond. (ms/cm), Turbidity (NTUs), Diss. O2 (mg/L), Temp (°C), Salinity (%), Redox (mV), Depth to Water, Comments. Contains 6 rows of data.

Note: > = Greater Than < = Less Than NM = Not Measured EF = Equipment Failure

OBSERVATIONS DURING WELL PURGING

Well Condition Good Odor: Fuel Oil
Color of GW: Clear Other:
Sample Time: 12:55 Additional Samples: [ ] Sample Time:
Sample ID: 117-MW-A062-101209 Sample ID:



Groundwater Sampling Form

Job Name: Honeywell - SA-5 - (Site 117)
Job Number: 3480050164 Task: 2100

Well Number: 117-MW-A85
Well Type: Monitor [checked] Other [ ]
Well Material: PVC [checked] Stainless Steel [ ] Steel [ ] Other [ ]

WELL PURGING INFORMATION

PURGE VOLUME

Low Flow Method: [checked]
3 to 5 Volume Purge Method: [ ]
Number of Well Volumes to be Purged: NA
Casing Diameter (D in Inches) 4
Total Depth of Casing (TD in feet BTOC):
Screen Interval in Feet (BTOC) from to

PURGE METHOD

Bailer - Type: NA
Submersible [ ] Centrifugal [ ]
Bladder [ ] Peristaltic [checked]
PUMP INTAKE SETTING
Near Bottom [ ] Near Top [ ]
Center [checked]
Other [ ]

PURGE VOLUME CALCULATIONS

( ) x ( )^2 x ( ) x 0.0408 = NA Gallons
TD WL D No. Volumes Calculated Purge Volume

Purge Water Disposal: San. Sewer [ ] Drum [ ] Type Other [checked] Treatment System
Storm Sewer [ ] Size

INSTRUMENT IDENTIFICATION RECORD AND FIELD MEASUREMENTS

Instrument Type: Horiba U-22 Depth to Water: 11.38 Time: 7:40 Date: 10/12/2009
Serial Number: 8300 Depth to Bottom of Well: 16.35 PID Reading (inside of Casing): 0
For Calibration Information, See Instrument Calibration Record Sheet Dated: 10/12/2009

FIELD PARAMETER MEASUREMENTS

Recorded By: (Signature) Sampled By: BS Purge Start Time: 7:43

Table with 13 columns: Time, Minutes Elapsed, Rate (lpm/gpm), Purged (L/Gal), pH (S.U.), Cond. (ms/cm), Turbidity (NTUs), Diss. O2 (mg/L), Temp (°C), Salinity (%), Redox (mV), Depth to Water, Comments. Data rows from 7:45 to 8:23.

Note: > = Greater Than < = Less Than NM = Not Measured EF = Equipment Failure

OBSERVATIONS DURING WELL PURGING

Well Condition Fair Odor: None
Color of GW: Clear Other:
Sample Time: 8:23 Additional Samples: [ ] Sample Time:
Sample ID: 117-MW-A85-101209 Sample ID:



Groundwater Sampling Form

Job Name: Honeywell - SA-5 - (Site 117)
Job Number: 3480050164 Task: 2100

Well Number: 117-MW-A89
Well Type: Monitor [checked] Other [ ]
Well Material: PVC [checked] Stainless Steel [ ] Steel [ ] Other [ ]

WELL PURGING INFORMATION

PURGE VOLUME

Low Flow Method: [checked]
3 to 5 Volume Purge Method: [ ]
Number of Well Volumes to be Purged: NA
Casing Diameter (D in Inches): 4
Total Depth of Casing (TD in feet BTOC):
Screen Interval in Feet (BTOC) from to

PURGE METHOD

Bailer - Type: NA
Submersible [ ] Centrifugal [ ]
Bladder [ ] Peristaltic [checked]
PUMP INTAKE SETTING
Near Bottom [ ] Near Top [ ]
Center [checked]
Other [ ]

PURGE VOLUME CALCULATIONS

(TD - WL) x D^2 x No. Volumes x 0.0408 = NA Gallons
Calculated Purge Volume

Purge Water Disposal: San. Sewer [ ] Storm Sewer [ ] Drum [ ] Type Other [checked] Treatment System Size

INSTRUMENT IDENTIFICATION RECORD AND FIELD MEASUREMENTS

Instrument Type: Horiba U-22 Depth to Water: 8.6 Time: 8:00 Date: 10/12/2009
Serial Number: 11850 Depth to Bottom of Well: NM PID Reading (inside of Casing): 0
For Calibration Information, See Instrument Calibration Record Sheet Dated: 10/12/2009

FIELD PARAMETER MEASUREMENTS

Recorded By: (Signature) Sampled By: MD Purge Start Time: 8:00

Table with 13 columns: Time, Minutes Elapsed, Rate (lpm/gpm), Purged (L/Gal), pH (S.U.), Cond. (ms/cm), Turbidity (NTUs), Diss. O2 (mg/L), Temp (°C), Salinity (%), Redox (mV), Depth to Water, Comments. Contains 5 rows of data from 8:02 to 8:22.

Note: > = Greater Than < = Less Than NM = Not Measured EF = Equipment Failure

OBSERVATIONS DURING WELL PURGING

Well Condition: Good Odor: None
Color of GW: Clear Other:
Sample Time: 8:23 Additional Samples: [ ] Sample Time:
Sample ID: 117-MW-A89-101209 Sample ID:





Groundwater Sampling Form

Job Name: Honeywell - SA-5 - (Site 117)
Job Number: 3480050164 Task: 2100

Well Number: 117-MW-A099
Well Type: Monitor [checked] Other [ ]
Well Material: PVC [checked] Stainless Steel [ ] Steel [ ] Other [ ]

WELL PURGING INFORMATION

PURGE VOLUME

Low Flow Method: [checked]
3 to 5 Volume Purge Method: [ ]
Number of Well Volumes to be Purged: NA
Casing Diameter (D in Inches): 4
Total Depth of Casing (TD in feet BTOC):
Screen Interval in Feet (BTOC) from to

PURGE METHOD

Bailer - Type: NA
Submersible [ ] Centrifugal [ ]
Bladder [ ] Peristaltic [checked]

PUMP INTAKE SETTING

Near Bottom [checked] Near Top [ ]
Center [ ]
Other [checked] 11 ft BTOC

PURGE VOLUME CALCULATIONS

( ) x ^2 x x 0.0408 = NA Gallons
Calculated Purge Volume

Purge Water Disposal: San. Sewer [ ] Drum [ ] Type Other [checked] Treatment System
Storm Sewer [ ] Size

INSTRUMENT IDENTIFICATION RECORD AND FIELD MEASUREMENTS

Instrument Type: Horiba U-22 Depth to Water: 8.32 Time: 11:20 Date: 10/12/2009
Serial Number: 8300 Depth to Bottom of Well: 14.70 PID Reading (inside of Casing): 0.4
For Calibration Information, See Instrument Calibration Record Sheet Dated: 10/12/2009

FIELD PARAMETER MEASUREMENTS

Recorded By: (Signature) Sampled By: BS/MD Purge Start Time: 11:22

Table with 13 columns: Time, Minutes Elapsed, Rate (lpm/gpm), Purged (L/Gal), pH (S.U.), Cond. (ms/cm), Turbidity (NTUs), Diss. O2 (mg/L), Temp (°C), Salinity (%), Redox (mV), Depth to Water, Comments. Contains 10 rows of data from 11:30 to 12:10.

Note: > = Greater Than < = Less Than NM = Not Measured EF = Equipment Failure

OBSERVATIONS DURING WELL PURGING

Well Condition: Good Odor: Yes; Fuel oil odor
Color of GW: Clear with sheen/some odor Other: Purge for 8 min. before using Horiba
Sample Time: 12:06 Additional Samples: [ ] Sample Time:
Sample ID: 117-MW-A099-101209 Sample ID:



Groundwater Sampling Form

Job Name: Honeywell - SA-5 - (Site 117)
Job Number: 3480050164 Task: 2100

Well Number: 117-MW-S4
Well Type: Monitor [checked] Other [ ]
Well Material: PVC [checked] Stainless Steel [ ] Steel [ ] Other [ ]

WELL PURGING INFORMATION

PURGE VOLUME

Low Flow Method: [checked]
3 to 5 Volume Purge Method: [ ]
Number of Well Volumes to be Purged: NA
Casing Diameter (D in Inches): 4
Total Depth of Casing (TD in feet BTOC):
Screen Interval in Feet (BTOC) from to

PURGE METHOD

Bailer - Type: NA
Submersible [ ] Centrifugal [ ]
Bladder [ ] Peristaltic [checked]
PUMP INTAKE SETTING
Near Bottom [ ] Near Top [ ]
Center [checked]
Other [ ]

PURGE VOLUME CALCULATIONS

( ) x ^2 x x 0.0408 = NA Gallons
TD WL D No. Volumes Calculated Purge Volume

Purge Water Disposal: San. Sewer [ ] Storm Sewer [ ] Drum [ ] Type Other [checked] Treatment System Size

INSTRUMENT IDENTIFICATION RECORD AND FIELD MEASUREMENTS

Instrument Type: Horiba U-22 Depth to Water: 7.52 Time: 10:14 Date: 10/12/2009
Serial Number: 11850 Depth to Bottom of Well: 19.84 PID Reading (inside of Casing): 0
For Calibration Information, See Instrument Calibration Record Sheet Dated: 10/12/2009

FIELD PARAMETER MEASUREMENTS

Recorded By: (Signature) Sampled By: MD Purge Start Time: 10:15

Table with 13 columns: Time, Minutes Elapsed, Rate (lpm/gpm), Purged (L/Gal), pH (S.U.), Cond. (ms/cm), Turbidity (NTUs), Diss. O2 (mg/L), Temp (°C), Salinity (%), Redox (mV), Depth to Water, Comments. Contains data from 10:15 to 11:05.

Note: > = Greater Than < = Less Than NM = Not Measured EF = Equipment Failure

OBSERVATIONS DURING WELL PURGING

Well Condition: Good Odor: None
Color of GW: Yellow Other:
Sample Time: 11:06 Additional Samples: [ ] Sample Time:
Sample ID: 117-MW-S4-101209 Sample ID:

**Contour Map Reporting Form**  
**Study Area 5 - Site 117 Ryerson Steel Site**  
**Jersey City, New Jersey**  
**October 2009**

This reporting form shall accompany each groundwater elevation contour map submittal. Use additional sheets as necessary.

1. Did any surveyed well casing elevations change from the previous sampling event? Yes \_\_\_ No X. If yes, attach new "Well Certification Form B" and identify the reason for the elevation change (damage to casing, installation or recovery system in monitoring well, etc.)
2. Are there any monitor wells in unconfined aquifers in which the water table elevation is higher than the top of the well screen? Yes X No \_\_\_. If yes, identify these wells.
3. Are there any monitor wells present at the site but omitted from the contour map? Yes \_\_\_ No X. Unless the omission of the well(s) has been previously approved by the department, justify the omissions.
4. Are there any monitor wells containing separate phase product during this measuring event? Yes \_\_\_ No X. Were any of the monitor wells with separate phase product included in the groundwater contour map? Yes \_\_\_ No X. If yes, show the formula used to correct the water table elevation.
5. Has the groundwater flow direction changed more than 45° from the previous groundwater contour map? Yes \_\_\_ No X. If yes, discuss the reasons for the change.
6. Has the groundwater mounding and/or depressions been identified in the groundwater contour map? Yes \_\_\_ No X. Unless the groundwater mounds and/or depressions are caused by the groundwater remediation system, discuss the reasons for this occurrence.
7. Are all the wells used in the contour map screened in the same water-bearing zone? Yes X. No \_\_\_. If no, justify inclusion of those wells.
8. Were the groundwater contours computer generated \_\_\_, computer aided X, or hand-drawn \_\_\_? If computer aided or generated, identify the interpolation method(s) used.  
*Kriging method.*

**October 2010/April 2011**  
**Groundwater Field Sampling Forms for 117-MW-A014**



Groundwater Sampling Form

Job Name: Honeywell - SA-5 - (Site 117)
Job Number: 3480050164 Task: 2100

Well Number: 117-MW-A014
Well Type: Monitor [checked] Other [ ]
Well Material: PVC [checked] Stainless Steel [ ] Steel [ ] Other [ ]

WELL PURGING INFORMATION

PURGE VOLUME

Low Flow Method: [checked]
3 to 5 Volume Purge Method: [ ]
Number of Well Volumes to be Purged: NA
Casing Diameter (D in Inches) 4
Total Depth of Casing (TD in feet BTOC):
Screen Interval in Feet (BTOC) from to

PURGE METHOD

Bailer - Type: NA
Submersible [ ] Centrifugal [ ]
Bladder [ ] Peristaltic [checked]
PUMP INTAKE SETTING
Near Bottom [ ] Near Top [ ]
Center [checked]
Other [ ]

PURGE VOLUME CALCULATIONS

( ) x ^2 x 0.0408 = NA Gallons
TD WL D No. Volumes Calculated Purge Volume

Purge Water Disposal: San. Sewer [ ] Drum [ ] Type Other [checked] Treatment System
Storm Sewer [ ] Size

INSTRUMENT IDENTIFICATION RECORD AND FIELD MEASUREMENTS

Instrument Type: Horiba U-22 Depth to Water: 11.76 Time: 14:20 Date: 10/19/2010
Serial Number: 10326 Depth to Bottom of Well: 17.25 PID Reading (inside of Casing): NM
For Calibration Information, See Instrument Calibration Record Sheet Dated: 10/19/2010

FIELD PARAMETER MEASUREMENTS

Recorded By: (Signature) Sampled By: MD Purge Start Time: 14:23

Table with 13 columns: Time, Minutes Elapsed, Rate (lpm/gpm), Purged (L/Gal), pH (S.U.), Cond. (ms/cm), Turbidity (NTUs), Diss. O2 (mg/L), Temp (°C), Salinity (%), Redox (mV), Depth to Water, Comments. Contains 10 rows of data from 14:23 to 15:07.

Note: > = Greater Than < = Less Than NM = Not Measured EF = Equipment Failure

OBSERVATIONS DURING WELL PURGING

Well Condition Good Odor: None
Color of GW: Clear Other:
Sample Time: 1:55 Additional Samples: [ ] Sample Time:
Sample ID: 117-MW-A014-101910 Sample ID:



Groundwater Sampling Form

Job Name: SA-5 Site 117
Job Number: 3480110255

Task: 2100.16

Well Number: 117-MW-A14

Well Type: Monitor [checked] Other [ ]

Well Material: PVC [checked] Stainless Steel [ ] Steel [ ] Other [ ]

WELL PURGING INFORMATION

PURGE VOLUME

Low Flow Method: [ ]
3 to 5 Volume Purge Method: [checked]
Number of Well Volumes to be Purged: 3
Casing Diameter (D in Inches) 4
Total Depth of Casing (TD in feet BTOC): 17.2
Screen Interval in Feet (BTOC) from to

PURGE METHOD

Bailer - Type:
Submersible [ ] Centrifugal [ ]
Bladder [ ] Peristaltic [checked] Other [ ]

PUMP INTAKE SETTING

Near Bottom [ ] Near Top [ ]
Center [checked]
Other [ ]

PURGE VOLUME CALCULATIONS

( ) x ( )^2 x ( ) x 0.0408 = 11.51 Gallons
Calculated Purge Volume

Purge Water Disposal: San. Sewer [ ] Drum [ ] Type Other [checked]
Storm Sewer [ ] Size

INSTRUMENT IDENTIFICATION RECORD AND FIELD MEASUREMENTS

Instrument Type: Horiba U-22 Depth to Water: 11.32 Time: 11:15 Date: 4/26/2011
Serial Number: 8888 Depth to Bottom of Well: 17.2 PID Reading (inside of Casing): NM
For Calibration Information, See Instrument Calibration Record Sheet Dated: 4/26/2011

FIELD PARAMETER MEASUREMENTS

Recorded By: (Signature) Sampled By: BS Purge Start Time: 11:17

Table with 13 columns: Time, Minutes Elapsed, Rate (lpm/gpm), Purged (L/Gal), pH (S.U.), Cond. (ms/cm), Turbidity (NTUs), Diss. O2 (mg/L), Temp (°C), Salinity (%), Redox (mV), Depth to Water, Comments. Contains data for times 11:20, 11:30, 11:40, 11:45, and 11:47.

Note: > = Greater Than < = Less Than NM = Not Measured EF = Equipment Failure

OBSERVATIONS DURING WELL PURGING

Well Condition Good Odor: NA
Color of GW: Clear Other:
Sample Time: 11:47 Additional Samples: [ ] Sample Time:
Sample ID: 117-MW-A14-042611 Sample ID:

**APPENDIX C**  
**LABORATORY ANALYTICAL DATA**

- C1: Electronic Data Deliverables: NJDEP HAZSITE (Compact Disk)**
- C2: Laboratory Data Reports (Provided on Compact Disk)**

**Appendix C-1**  
**Electronic Data Deliverables (Compact Disk)**  
**NJDEP HAZSITE Electronic Data Deliverables**



**Appendix C-2**  
**Laboratory Data Reports (Compact Disk)**  
**[Hard Copy Provided in Separate Bound Volume]**

**APPENDIX D**  
**DATA VALIDATION REPORTS**

**September 2009 Data Validation Report**

To: Ed Gaven/Vanhuyl Lieu, MACTEC Engineering and Consulting, Inc.  
 From: Christina Jensen, Validata, LLC  
 Re: Honeywell Hudson County Data Validation  
 Date: September 25, 2009

This memorandum discusses the results of the data validation of analytical data in Sample Delivery Group (SDG) JA27477 provided by Accutest Laboratory, located in Dayton, New Jersey, for samples collected as part of the Honeywell Hudson County project. No samples were rejected as a result of the data validation process. Appendix A contains the Sample Summary Table, Appendix B contains a list of the State of New Jersey Department of Environmental Protection (NJDEP) data validation footnotes, and Appendix C contains copies of the completed data validation report forms.

The validation for samples in this SDG was performed by Christina Jensen, Validata, LLC. The following table lists the samples that were included in this SDG.

### Samples

Table 1-1. *Sample cross-reference list*

Sampling Date	Field Sample ID	Lab Sample ID	Sample Analyses
9/9/2009	117-MW-A014-090909	JA27477-1	SW6010, SW7196
9/9/2009	117-MW-A014F-090909	JA27477-1F	SW6010, SW7196
9/9/2009	117-MW-A05-090909	JA27477-3	SW6010, SW7196
9/9/2009	117-MW-A05DP-090909	JA27477-4	SW6010, SW7196
9/9/2009	117-MW-A05DPF-090909	JA27477-4F	SW6010, SW7196
9/9/2009	117-MW-A05F-090909	JA27477-3F	SW6010, SW7196
9/9/2009	117-MW-A062-090909	JA27477-6	SW6010, SW7196
9/9/2009	117-MW-A062F-090909	JA27477-6F	SW6010, SW7196
9/9/2009	117-MW-A85-090909	JA27477-5	SW6010, SW7196
9/9/2009	117-MW-A85F-090909	JA27477-5F	SW6010, SW7196
9/9/2009	117-MW-A89-090909	JA27477-2	SW6010, SW7196
9/9/2009	117-MW-A89F-090909	JA27477-2F	SW6010, SW7196
9/9/2009	117-MW-A99-090909	JA27477-7	SW6010, SW7196
9/9/2009	117-MW-A99F-090909	JA27477-7F	SW6010, SW7196
9/9/2009	117-MW-FB-090909	JA27477-8	SW6010, SW7196

### Validation Level

The level of validation for this SDG is level V for hexavalent chromium and level IV for chromium. The remaining analyses were not validated per the MACTEC project manager.

### References

The samples collected for the project were analyzed in accordance with the following methods:

- USEPA 1986. *Test Methods for Evaluating Solid Waste*, SW-846, 3<sup>rd</sup> Edition, USEPA, Washington, D.C.

The data validation procedures were consistent with those specified in the NJDEP validation guidelines listed below:

- NJDEP. 2002. *Standard Operating Procedure (SOP) entitled Quality Assurance Data Validation of Analytical Deliverables for Inorganics (based on EPA SW-846 Methods)*, SOP No. 5.A.16. Trenton, New Jersey;

- NJDEP. 2001. *Standard Operating Procedure for the Completion of the Data Validation Report Forms and the Preparation of the Final Data Validation Report*, SOP No. 5.A.15, Trenton, New Jersey;
- NJDEP. 2005. *Standard Operating Procedure for Analytical Data Validation of Hexavalent Chromium*, SOP No. 5.A.10, Revision 2, Trenton, New Jersey; and
- NJDEP. 2001. *Standard Operating Procedure for the Completion of the Hexavalent Chromium Data Validation Report Forms and the Preparation of the Final Data Validation Report*, SOP No. 5.A.09 Trenton, New Jersey.

### **Sample Summary Table**

The Sample Summary Table provided in Appendix A contains only detected and/or qualified data. Results that were non-detect for an analyte were not included in the table.

### **Validation Footnotes**

Appendix B contains the footnotes used for this project and shall remain consistent throughout the validation. The footnote(s) assigned will not be sequential. Specific footnote(s) used during the validation will be provided in Appendix B.

### **Chain-of-Custody Documentation**

The custody documentation was complete for this SDG.

### **Major Deficiencies**

There were no major deficiencies identified with the data.

### **Minor Deficiencies and Completeness**

Minor deficiencies identified during validation are summarized per analytical method as follows:

#### Total Chromium by SW6010

No qualification to the data was made. Data usability is the number of usable (non-rejected) sample results divided by the total number of sample results for each type of analysis times 100. Data usability has been determined to be 100%.

#### Hexavalent Chromium by SW7196

All samples were qualified as estimated and assigned footnote H11 or H12 to indicate zero post verification spike recovery. Data usability is the number of usable (non-rejected) sample results divided by the total number of sample results for each type of analysis times 100. Data usability has been determined to be 100%.

### **Data Assessment Summary**

Overall, the laboratory performed the analyses in accordance with the requirements set forth in the methods.

### **Data Usability**

Based on the validation of data, it has been determined that 100% of the data are usable as qualified. The analytical data are of sufficient quality to be used for qualitative and quantitative purposes.

## APPENDIX A

### Sample Summary Table

Honeywell Hudson County  
 Accutest  
 Sampling Date 9/09/09  
 Fraction: Wet Chemistry, Inorganics  
 SDG: JA27477  
 NJDEP SRP No.  
 Matrix: Water

**TARGET AND NON-TARGET ANALYTE SUMMARY**

Fraction	Dilution Factor	Field Sample ID	Laboratory Sample ID	Parameter	Units	Method Blank Result	Lab Concentration & Qualifiers	QA Reported	QA Decision	NJDEP Footnote
SW6010	1	117-MW-A014-090909	JA27477-1	Chromium	ug/l	10U	41.3	41.3	Qualified	
SW7196	1	117-MW-A014-090909	JA27477-1	Chromium, Hexavalent	mg/l	0.010U	0.014	0.014J	Qualified	H11
SW6010	1	117-MW-A014F-090909	JA27477-1F	Chromium	ug/l	10U	17.2	17.2	Qualified	
SW7196	1	117-MW-A014F-090909	JA27477-1F	Chromium, Hexavalent	mg/l	0.010U	0.011	0.011J	Qualified	H11
SW6010	1	117-MW-A89-090909	JA27477-2	Chromium	ug/l	10U	176	176	Qualified	
SW7196	1	117-MW-A89-090909	JA27477-2	Chromium, Hexavalent	mg/l	0.010U	0.010U	0.010UJ	Qualified	H12
SW7196	1	117-MW-A89F-090909	JA27477-2F	Chromium, Hexavalent	mg/l	0.010U	0.010U	0.010UJ	Qualified	H12
SW6010	1	117-MW-A05-090909	JA27477-3	Chromium	ug/l	10U	15.5	15.5	Qualified	
SW7196	1	117-MW-A05-090909	JA27477-3	Chromium, Hexavalent	mg/l	0.010U	0.010U	0.010UJ	Qualified	H12
SW7196	1	117-MW-A05F-090909	JA27477-3F	Chromium, Hexavalent	mg/l	0.010U	0.010U	0.010UJ	Qualified	H12
SW6010	1	117-MW-A05DP-090909	JA27477-4	Chromium	ug/l	10U	16.7	16.7	Qualified	
SW7196	1	117-MW-A05DP-090909	JA27477-4	Chromium, Hexavalent	mg/l	0.010U	0.010U	0.010UJ	Qualified	H12
SW7196	1	17-MW-A05DPF-090909	JA27477-4F	Chromium, Hexavalent	mg/l	0.010U	0.010U	0.010UJ	Qualified	H12
SW6010	1	117-MW-A85-090909	JA27477-5	Chromium	ug/l	10U	186	186	Qualified	
SW7196	1	117-MW-A85-090909	JA27477-5	Chromium, Hexavalent	mg/l	0.010U	0.010U	0.010UJ	Qualified	H12
SW6010	1	117-MW-A85F-090909	JA27477-5F	Chromium	ug/l	10U	111	111	Qualified	
SW7196	1	117-MW-A85F-090909	JA27477-5F	Chromium, Hexavalent	mg/l	0.010U	0.010U	0.010UJ	Qualified	H12
SW6010	1	117-MW-A062-090909	JA27477-6	Chromium	ug/l	10U	36.5	36.5	Qualified	
SW7196	1	117-MW-A062-090909	JA27477-6	Chromium, Hexavalent	mg/l	0.010U	0.010U	0.010UJ	Qualified	H12
SW7196	1	117-MW-A062F-090909	JA27477-6F	Chromium, Hexavalent	mg/l	0.010U	0.010U	0.010UJ	Qualified	H12
SW6010	1	117-MW-A99-090909	JA27477-7	Chromium	ug/l	10U	42.6	42.6	Qualified	
SW7196	1	117-MW-A99-090909	JA27477-7	Chromium, Hexavalent	mg/l	0.010U	0.010U	0.010UJ	Qualified	H12
SW7196	5	117-MW-A99F-090909	JA27477-7F	Chromium, Hexavalent	mg/l	0.010U	0.050U	0.050UJ	Qualified	H12
SW7196	1	117-MW-FB-090909	JA27477-8	Chromium, Hexavalent	mg/l	0.010U	0.010U	0.010UJ	Qualified	H12

**APPENDIX B**

**NJDEP Qualifiers**



Reason  
Code

Description

H11

The reported value was qualified because the PVS recovery was less than 85 percent.

H12

The non-detected value was qualified (UJ) because the PVS recovery was less than 85 percent. The possibility of a false negative exists.

**APPENDIX C**

**NJDEP Validation Forms,  
Other Validation Forms.**

DATA DELIVERABLE REQUIREMENTS

Site Name Honeywell Hudson Co. Job Code DA27477  
 Location SAS Site 17 Date of Review 9/25/09  
 Laboratory Name STL Accutest CAS Lead Division/Bureau NJDEP  
 Reviewer Christina Jensen Methodology Review Crleon  
 Site/Case Manager ED Gaven  
Maria Kowris

GENERAL REQUIREMENTS: Circle YES or NO and list the deviations at the bottom:

- |                            |   |                            |   |
|----------------------------|---|----------------------------|---|
| A. Permanently Bound       | Yes <input type="radio"/> No <input checked="" type="radio"/> | G. Methodology Review      | Yes <input checked="" type="radio"/> No <input type="radio"/> |
| B. Paginated               | Yes <input checked="" type="radio"/> No <input type="radio"/> | H. Uninitialed Strikeovers | Yes <input type="radio"/> No <input checked="" type="radio"/> |
| C. Title Page              | Yes <input checked="" type="radio"/> No <input type="radio"/> | I. Legible Photocopies     | Yes <input checked="" type="radio"/> No <input type="radio"/> |
| D. Table of Contents       | Yes <input checked="" type="radio"/> No <input type="radio"/> | J. Consistent Dates        | Yes <input checked="" type="radio"/> No <input type="radio"/> |
| E. Chain of Custody        | Yes <input checked="" type="radio"/> No <input type="radio"/> | K. Digestion Log           | Yes <input checked="" type="radio"/> No <input type="radio"/> |
| F. Non-conformance Summary | Yes <input checked="" type="radio"/> No <input type="radio"/> |                            |   |

Describe any deviations from the requirements \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

HOLDING TIMES FOR METALS

Matrix: Aqueous ( ) or Nonaqueous ( / )

SAMPLE ID FIELD or LAB	DATE of SAMPLE COLLECTIO N	ICP ANALYSIS DATE	MERCURY ANALYSIS DATE	FURNACE ANALYSIS DATE	HOLDING TIME EXCEEDED
1 JA224771	9 9 03	9 20 03			NO
2 IF	"	"			}
3 2		"			
4 2F		"			
5 3		"			
6 3F		"			
7 4		"			
8 4F		"			
9 5		"			
10 5F		"			
11 6		"			
12 6F		"			
13 7		"			
14 7F		"			
15 8		"			
16					
17					
18					
19					
20					

COMMENTS \_\_\_\_\_  
 COOLER \_\_\_\_\_ TEMP 4.20C  
 PRESERVATION in  
 HANDLING TIME same day

**INSTRUMENT CALIBRATION, INITIAL CALIBRATION CHECK (ICC) and  
INITIAL CALIBRATION VERIFICATION (ICV)**

Part 1 of 2

ASSOCIATED SAMPLES all

1. a. Was the ICP instrument (6010B) properly standardized?  Yes  No  N/A  
If no, explain and list action. \_\_\_\_\_

b. Was the AA instrument (7000 Methods) properly standardized?  Yes  No  N/A  
If no, explain and list action. \_\_\_\_\_

c. Was the instrument used for Mercury properly standardized?  Yes  No  N/A  
If no, explain and list action. \_\_\_\_\_

2. Was the ICV/ICC analyzed immediately after the systems were calibrated?  Yes  No  
If no, explain and list action. \_\_\_\_\_

3. Was the ICV/ICC analyzed for every analyte?  Yes  No  
If no, explain and list action. \_\_\_\_\_

4. Do all ICV/ICC analytes meet the QC requirements for % recovery?  Yes  No  
If no, list affected analytes, their % recovery, associated samples, and action.  
\_\_\_\_\_

5. a. Show calculation for the % recovery of one ICV analyte analyzed by ICP.

Analyte Cu

Lab Value 999

993/1000 = 99.3%

**INSTRUMENT CALIBRATION, INITIAL CALIBRATION CHECK (ICC) and  
INITIAL CALIBRATION VERIFICATION (ICV)**

Part 2 of 2

- b. Show calculation for the % recovery of one ICC analyte analyzed by AA.

Analyte \_\_\_\_\_ *Nh* Lab Value \_\_\_\_\_

- c. Show calculation for the ICV % recovery of Mercury.

*Nh* Lab Value \_\_\_\_\_

6. SPECIFIC COMMENTS \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

CONTINUING CALIBRATION VERIFICATION (CCV) and CALIBRATION CHECK STANDARD (CCS)

ASSOCIATED SAMPLES all

Part 1 of 2

1. a. Was the CCV/CCS performed at the minimum frequency of 10%?  Yes  No  
If no, list action. \_\_\_\_\_

b. Was the CCV/CCS performed after ten samples and at the end of sample analysis?  Yes  No  
If no, list action. \_\_\_\_\_

2. Were the CCV/CCS standards analyzed for all analytes?  Yes  No  
If no, list affected analytes, their associated samples and action.  
\_\_\_\_\_

3. Was the CCV/CCS concentration near the midpoint of the calibration curve?  Yes  No  
If no, list affected analytes, their associated samples and action.  
\_\_\_\_\_

4. Do all CCV/CCS analytes meet the QC requirement for % recovery?  Yes  No  
If no, list affected analytes, their associated samples and action.  
\_\_\_\_\_

CONTINUING CALIBRATION VERIFICATION (CCV) and CALIBRATION CHECK STANDARD (CCS)

Part 2 of 2

5. a. Show calculation for the % recovery of one CCV analyte analyzed by ICP.

Analyte Cr

Lab value 9107

$$19378 / 20000 = .96$$

- b. Show calculation for the % recovery of one CCS analyte analyzed by AA.

Analyte na

Lab value \_\_\_\_\_

- c. Show calculation for the % recovery of one CCV analyte for Mercury.

na

Lab value \_\_\_\_\_

6. SPECIFIC COMMENTS \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



METHOD BLANK SUMMARY

Method Blank ID W149677

Sample matrix: Soil Water  
Units: mg/kg ug/L

Did the frequency of the method blank analysis meet method requirements?

Yes  No

If no, explain and note action \_\_\_\_\_

ANALYTE	CONCENTRATION	< MDL	COMMENTS / ACTION
<u>Cr</u>	<u>- .3</u>	<u>Yes</u>	<u>none</u>

ASSOCIATED SAMPLES all

CALIBRATION BLANKS

ASSOCIATED SAMPLES all  
\_\_\_\_\_  
\_\_\_\_\_

- 1. Were the initial calibration blanks analyzed for all analytes and run after the ICV/ICC?  Yes No  
If no, list affected analytes, and action. \_\_\_\_\_  
\_\_\_\_\_
- 2. Was the absolute value for all analytes in the calibration blank below the MDL?  Yes No  
If no, list affected analytes and qualify them. \_\_\_\_\_  
\_\_\_\_\_
- 3. Were the continuing calibration blanks analyzed for all analytes and run after the CCV/CCS?  Yes No  
If no, list affected analytes, associated samples and action. \_\_\_\_\_  
\_\_\_\_\_
- 4. Was the frequency for the continuing calibration blanks correct?  Yes No  
If no, list affected analytes, associated samples and action. \_\_\_\_\_

ICP INTERFERENCE CHECK SAMPLE

ASSOCIATED SAMPLES all

1. Was an ICP interference check sample performed at the correct frequency?

If no, note any deviations and action. \_\_\_\_\_

Yes  No

2. Were the analytes interest and interferents for ICS reported?

If no, note deviations. \_\_\_\_\_

Yes  No

3. Did all the required analytes of interest in the ICS meet the QC limit of 80-120%?

If no, list the analytes, the % recovery, associated samples and the action. \_\_\_\_\_

Yes  No

4. Show the calculation for the % recovery for one analyte in the ICS.

Analyte Cr

Lab value 107%

$$505 / 500 = 1.01$$

5. COMMENTS \_\_\_\_\_

MATRIX SPIKE (MS) and MATRIX SPIKE DUPLICATE (MSD)

Part 1 of 2

Spike Analysis performed on sample JA 27477-3  
JA 27477-4F % Solids \_\_\_\_\_

Sample matrix: Soil Water

Units: mg/kg ug/L

ASSOCIATED SAMPLES all

1. Was the MS/MSD performed at the correct frequency?  Yes  No

If no, note deviations and action \_\_\_\_\_  
\_\_\_\_\_

2. Was the MS/MSD analyses performed on a field sample?  Yes  No

If no, reject all associated samples. Batch

3. a. Were two (2) analytical methods used to obtain reported values for one analyte (i.e., ICP and AA) ?  Yes  No

If yes, list analytes \_\_\_\_\_  
\_\_\_\_\_

b. Was MS/MSD analysis performed using both methods for that analyte? Na  Yes  No

If no, reject affected sample(s) which did not have spike analysis performed.

MATRIX SPIKE (MS) and MATRIX SPIKE DUPLICATE (MSD)

Part 2 of 2

4. Did the % recovery for all analytes meet the criteria of 75-125 %?

If no, list % recovery in parenthesis next to the analyte out and action.

Yes

No

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

5. Did the Relative Percent Difference (RPD) for all analytes meet the requirement of 20% RPD?

Yes  No  N/A

If no, list analytes and action. \_\_\_\_\_  
\_\_\_\_\_

6. a. Show calculation for % recovery for one analyte.

Analyte Cv

Lab value 96%

$$194 - 1.3 / 200 = 94$$

b. Show calculation for % RPD for one analyte.

Analyte W

Lab value .5

$$\frac{194 - 195}{194 + 195} = .005$$

*W*

**POST-DIGESTION SPIKE ANALYSIS**

Post Digestion Spike Analysis performed on sample \_\_\_\_\_

Sample matrix:          Soil          Water                                  % Solids \_\_\_\_\_

Units:                      mg/kg          ug/L

ASSOCIATED SAMPLES \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

1. Was post-digestion spike analysis performed at the correct frequency? Yes    No  
 If no, list the analyte(s) and action.

\_\_\_\_\_

2. Was post-digestion spike performed on a field sample? Yes    No  
 If no, list analytes and qualify them.

\_\_\_\_\_

\_\_\_\_\_

3. List the analyte(s), and their % recovery where post-digestion spike analysis was performed but still did not meet the QC criteria and action. N/A

\_\_\_\_\_

\_\_\_\_\_

4. Show the calculation for % recovery for at least one analyte where post-digestion spike analysis was performed.

Analyte \_\_\_\_\_    Lab value \_\_\_\_\_

5. Comments: \_\_\_\_\_

\_\_\_\_\_

*7*

LABORATORY CONTROL SAMPLE (LCS)

Sample matrix: Soil

Water

Units: mg/kg

ug/L

ASSOCIATED SAMPLES

all

1. Was the laboratory control sample performed at the correct frequency?

Yes

No

If no, give action.

2. Do all analytes meet the QC limits of 80-120 %?

Yes

No

If no, list analytes, their % recovery and action.

3. Show the calculation for % recovery for one analyte.

Analyte

Cv

Lab Value

10

Soil-limits

AO

80-120

107/1002.01

4. Comments:

SERIAL DILUTION ANALYSIS

Serial Dilution performed on sample JAZ7477-3F Dilution Factor 5

Sample matrix: Soil Water Units: mg/kg ug/L

ASSOCIATED SAMPLES \_\_\_\_\_

1. Was a serial dilution performed at the correct frequency? Yes No  
If no, give action \_\_\_\_\_

2. Was a field sample used for serial dilution? Yes No  
If no, give action \_\_\_\_\_

3. For all analytes greater than ten times the IDL after dilution for 6010B and 25 times the EDL for 7000A methods, was a serial dilution performed? Yes No  
If no, list analytes and reject them. \_\_\_\_\_

4. For all analytes that needed serial dilution analysis, was the QC limit of 10 % D met? Yes No  
If no, list those analytes outside the limits and qualify them. \_\_\_\_\_

5. Show calculation for % D for one analyte analyzed by ICP.  
Analyte Cu (3F) Lab value 106

$$\frac{1.3 - 0}{1.3} = 1.$$

< 50x IDL - no flag.  
DPFSR/BEMQA  
MAY 2002



*zhp*

**METHOD OF STANDARD ADDITION (MSA)**

ASSOCIATED SAMPLES \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

1. If the post digestion spike recovery for Methods 7000A was outside the QC limit, was the MSA performed? Yes    No

If no, explain and list action. \_\_\_\_\_  
\_\_\_\_\_

2. Was the MSA within the linear range of the instrument? Yes    No

If no, explain and list action. \_\_\_\_\_  
\_\_\_\_\_

3. Was the MSA sample and spikes analyzed consecutively? Yes    No

If no, explain and list action. \_\_\_\_\_  
\_\_\_\_\_

4. Was the slope of the MSA plot less than 20% difference of the slope of the standard curve? Yes    No

If no, explain and list action. \_\_\_\_\_  
\_\_\_\_\_

5. Comments: \_\_\_\_\_  
\_\_\_\_\_

*2*

**SAMPLE RESULT VERIFICATION**

ASSOCIATED SAMPLES del

1. Were all sample results reported within the calibration range?  Yes  No  
If no, list affected samples and action. \_\_\_\_\_

2. Was the raw data free of any anomalies?  Yes  No  
If no, list affected samples and action. \_\_\_\_\_

3. Was the data package free of any computational or transcription errors?  Yes  No  
If no, list affected samples and action. \_\_\_\_\_

4. Was the % solids analysis performed for all nonaqueous samples?  Yes  No  N/A  
If no, list affected samples and action. \_\_\_\_\_

5. Show the calculation for % solids for one sample.  N/A  
Lab Value \_\_\_\_\_

6. Verify that nonaqueous samples were reported on a  dry weight basis by recalculating the result for one analyte in a sample.  N/A

Sample DA27497-1 Analyte Cu Lab value 41.8 mg/kg

NA Aqueous  
X LUG  
X.

DATA DELIVERABLE REQUIREMENTS  
for  
HEXAVALENT CHROMIUM

SRP No. \_\_\_\_\_  
Site Name Honeywell Hudson County  
Location Edison, NJ  
Laboratory Name STL Accutest CAS \_\_\_\_\_  
Reviewer Christina Jensen  
Date of Review 9/25/05

SDG PA 22477  
Site Manager ED GAVEN / Maria Koumis  
Lead Division/Bureau NJDEP  
Methodology SW3060-SW7196 7198  
92505

GENERAL REQUIREMENTS: Circle YES or NO and list the deviations at the bottom:

- |                            |   |                            |   |
|----------------------------|---|----------------------------|---|
| A. Permanently Bound       | Yes <input type="radio"/> No <input checked="" type="radio"/> | G. Methodology Review      | Yes <input checked="" type="radio"/> No <input type="radio"/> |
| B. Paginated               | Yes <input checked="" type="radio"/> No <input type="radio"/> | H. Uninitialed Strikeovers | Yes <input type="radio"/> No <input checked="" type="radio"/> |
| C. Title Page              | Yes <input checked="" type="radio"/> No <input type="radio"/> | I. Legible Xerox           | Yes <input checked="" type="radio"/> No <input type="radio"/> |
| D. Table of Contents       | Yes <input checked="" type="radio"/> No <input type="radio"/> | J. Consistent Dates        | Yes <input checked="" type="radio"/> No <input type="radio"/> |
| E. Chain of Custody        | Yes <input checked="" type="radio"/> No <input type="radio"/> |                            |   |
| F. Non-conformance Summary | Yes <input checked="" type="radio"/> No <input type="radio"/> |                            |   |

Describe any deviations from the requirements \_\_\_\_\_

HOLDING TIMES

Sample ID Field or Lab	Matrix	Date of Sample Collection	Hex Chrome Analysis Date	Holding Time Exceeded	QA Decision
1) 24234771	W	9909	9909	No	none
2) IF		"	"		
3) 2			"		
4) 2F			"		
5) 3			"		
6) 3F			"		
7) 4			"		
8) 4F			"		
9) 5			"		
10) 5F			"		
11) 6			"		
12) 6F			"		
13) 7			"		
14) 7F			"		
15) 8			"		
16)					
17)					
18)					
19)					
20)					

List any samples that exceeded the holding time, the number of days exceeded by and QA decision.

---



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---

INSTRUMENT CALIBRATION CURVE  
and  
CALIBRATION CHECK STANDARD (CCS)

ASSOCIATED SAMPLES

*All*

1. Was the instrument properly standardized?  
If no, explain and list action.

Yes

No

2. Was the CCS analyzed at the proper frequency?  
If no, explain and list action.

Yes

No

3. Was the same CCS concentration used throughout the analysis?  
If no, list action.

Yes

No

4. Does the CCS standard meet the QC requirements of 90-110% recovery?  
If no, list the % recovery, and action.

Yes

No

5. Show calculation for the % recovery of Hexavalent Chromium in the CCS standard.

Lab value 102%

*.528 / .52 = 1.02*

CALIBRATION BLANKS

ASSOCIATED SAMPLES All

---

1. Was the calibration blank analyzed before the instrument's initial calibration standards?

Yes     No

If no, list action. \_\_\_\_\_

---

2. Was a calibration blank analyzed after the calibration check standard?

Yes     No

If no, list associated samples and action. \_\_\_\_\_

---

3. Was the value of Hexavalent Chromium for the continuing calibration blank below the MDL?

Yes     No

If no, list associated samples and qualify them. \_\_\_\_\_

---

PREPARATION/REAGENT BLANK SUMMARY

Preparation/Reagent Blank ID gm3004

Sample matrix: Soil  Water   
 Units: mg/kg  ug/L

Does the frequency of the preparation/reagent blank analysis meet method requirements?

Yes  No

If no, explain and note action \_\_\_\_\_

ANALYTE	CONCENTRATION	< MDL	>IDL	COMMENTS / ACTION
ϕ				
CrVI	-.004	yes	no	none

ASSOCIATED SAMPLES

All

*Aqueous - see next page*

PREDIGESTION SPIKE ANALYSIS

Spike Analysis performed on sample \_\_\_\_\_ Solids \_\_\_\_\_

Sample matrix: Soil

Units: mg/kg

ASSOCIATED SAMPLES \_\_\_\_\_

1. Was the predigestion spike analysis performed at the correct frequency?

Yes No

If no, note deviations and action \_\_\_\_\_

2. Was the predigestion spike analysis performed on a field sample?

Yes No

If no, reject all associated samples. \_\_\_\_\_

3. Was the predigestion spike analysis performed at the proper concentration?

Yes No

If no, qualify the associated samples. \_\_\_\_\_

4. Did the % recovery for hexavalent chromium meet the criteria of 75-125 % ?

Yes No

If no, list action. \_\_\_\_\_

5. Show calculation for predigestion spike recovery of Hexavalent Chromium.

Lab value \_\_\_\_\_



POST VERIFICATION SPIKE ANALYSIS

Post Verification Spike (PVS) performed on sample DA 27477-3, 3F

Sample matrix: Soil Water % Solids NK

Units: mg/kg ug/L

ASSOCIATED SAMPLES all

1. Was PVS analysis performed at the correct frequency and proper concentration?  
 Yes  No  
If no, list action. \_\_\_\_\_

2. Was PVS analysis performed on a field sample?  Yes  No  
If no, list action \_\_\_\_\_

3. a. Does the PVS recovery meet the criteria of 85-115%?  Yes  No  
If no, list action all results 0, 5, 11 or 12 (ug/L)  
zero recovery, no reanalysis.

b. If the PVS recovery was less than 85%, did the laboratory reanalyze the sample?  
Yes  No  NA  
If no, list action \_\_\_\_\_

4. Show the calculation for % recovery for PVS.

Lab value 0

$0 / .15 = 0$

DUPLICATE ANALYSIS

Duplicate Analysis performed on sample 2A27477-3.2F %Solids NA

Sample matrix: Soil  Water

Units: mg/kg  ug/L

ASSOCIATED SAMPLES All

1. Was the Duplicate analyses performed at the correct frequency?  Yes  No  
If no, list action. \_\_\_\_\_

2. Was the duplicate analysis performed on a field sample?  Yes  No  
If no, reject all associated samples. \_\_\_\_\_

3. Does the duplicate analysis meet the QC control limits?  Yes  No  
If no, qualify the associated samples. \_\_\_\_\_

4. Show the calculation for RPD for Hexavalent Chromium.  
Lab value ϕ

$$\phi / \phi = \phi$$

HEXAVALENT CHROMIUM-9

LABORATORY CONTROL SAMPLE

Sample matrix: Soil  Water

Units: mg/kg  ug/L

ASSOCIATED SAMPLES all

1. Was the laboratory control sample performed at the correct frequency?

Yes  No

If no, list action.

2. Does the LCS meet the QC limit of 80-120 %

Yes  No

If no, list the % recovery and action. \_\_\_\_\_ Range Used \_\_\_\_\_

3. Show the calculation for the LCS % recovery for hexavalent chromium.

Lab Value 1009

Range =

$$0.15 / 0.15 = 1.$$

SAMPLE RESULT VERIFICATION

ASSOCIATED SAMPLES All

1. Were all samples reported within the calibration range?  Yes  No

If no, list affected samples and action. \_\_\_\_\_

2. Was the raw data free of any anomalies?  Yes  No

If no, list affected samples and action. \_\_\_\_\_

3. Was the data package free of any computational or transcription errors?  Yes  No

If no, list affected samples and action. \_\_\_\_\_

4. Were both 3060 & 7196A pH readings provided and within method requirements?

Yes No  N/A

If no, list affected samples and action. \_\_\_\_\_

3060A? NO 7196

5. Were the hotplate temperatures provided and within method requirements?  Yes  No  N/A

If no, list affected samples and action. \_\_\_\_\_

6. Show the calculation for % solids for one sample.  N/A  
Lab value \_\_\_\_\_

7. Show the calculation for a nonaqueous sample.  
Lab value \_\_\_\_\_

## **October 2009 Data Validation Report**

To: Ed Gaven/Vanthuy Lieu, MACTEC Engineering and Consulting, Inc.  
 From: Christina Jensen, Validata, LLC  
 Re: Honeywell Hudson County Data Validation  
 Date: November 4, 2009

This memorandum discusses the results of the data validation of analytical data in Sample Delivery Group (SDG) JA30201 provided by Accutest Laboratory, located in Dayton, New Jersey, for samples collected as part of the Honeywell Hudson County project. No samples were rejected as a result of the data validation process. Appendix A contains the Sample Summary Table, Appendix B contains a list of the State of New Jersey Department of Environmental Protection (NJDEP) data validation footnotes, and Appendix C contains copies of the completed data validation report forms.

The validation for samples in this SDG was performed by Christina Jensen, Validata, LLC. The following table lists the samples that were included in this SDG.

### Samples

Table 1-1. *Sample cross-reference list*

Sampling Date	Field Sample ID	Lab Sample ID	Sample Analyses
9/12/2009	117-MW-A05DP-101209	JA30201-4	SW6010, SW7196, SW9060
9/12/2009	117-MW-A05DPF-101209	JA30201-4F	SW6010, SW7196
9/12/2009	117-MW-A05F-101209	JA30201-3F	SW6010, SW7196
9/12/2009	117-MW-A062-101209	JA30201-6	SW6010, SW7196, SW9060
9/12/2009	117-MW-A062F-101209	JA30201-6F	SW6010, SW7196
9/12/2009	117-MW-A85-101209	JA30201-5	SW6010, SW7196, SW9060
9/12/2009	117-MW-A85F-101209	JA30201-5F	SW6010, SW7196
9/12/2009	117-MW-A99-101209	JA30201-7	SW6010, SW7196, SW9060
9/12/2009	117-MW-A99F-101209	JA30201-7F	SW6010, SW7196
9/12/2009	117-MW-FB-101209	JA30201-9	SW6010, SW7196, SW9060
9/12/2009	117-MW-S4-101209	JA30201-8	SW6010, SW7196, SW9060
9/12/2009	117-MW-S4F-101209	JA30201-8F	SW6010, SW7196
10/12/2009	117-MW-A014-101209	JA30201-1	SW6010, SW7196, SW9060
10/12/2009	117-MW-A014F-101209	JA30201-1F	SW6010, SW7196
10/12/2009	117-MW-A05-101209	JA30201-3	SW6010, SW7196, SW9060
10/12/2009	117-MW-A89-101209	JA30201-2	SW6010, SW7196, SW9060
10/12/2009	117-MW-A89F-101209	JA30201-2F	SW6010, SW7196

### Validation Level

The level of validation for this SDG is level V for hexavalent chromium and level IV for chromium. The remaining analyses were not validated per the MACTEC project manager.

### References

The samples collected for the project were analyzed in accordance with the following methods:

- USEPA 1986. *Test Methods for Evaluating Solid Waste*, SW-846, 3<sup>rd</sup> Edition, USEPA, Washington, D.C.

The data validation procedures were consistent with those specified in the NJDEP validation guidelines listed below:

- NJDEP. 2002. *Standard Operating Procedure (SOP) entitled Quality Assurance Data Validation of Analytical Deliverables for Inorganics (based on EPA SW-846 Methods)*, SOP No. 5.A.16. Trenton, New Jersey;
- NJDEP. 2001. *Standard Operating Procedure for the Completion of the Data Validation Report Forms and the Preparation of the Final Data Validation Report*, SOP No. 5.A.15, Trenton, New Jersey;
- NJDEP. 2005. *Standard Operating Procedure for Analytical Data Validation of Hexavalent Chromium*, SOP No. 5.A.10, Revision 2, Trenton, New Jersey; and
- NJDEP. 2001. *Standard Operating Procedure for the Completion of the Hexavalent Chromium Data Validation Report Forms and the Preparation of the Final Data Validation Report*, SOP No. 5.A.09 Trenton, New Jersey.

### **Sample Summary Table**

The Sample Summary Table provided in Appendix A contains only detected and/or qualified data. Results that were non-detect for an analyte were not included in the table.

### **Validation Footnotes**

Appendix B contains the footnotes used for this project and shall remain consistent throughout the validation. The footnote(s) assigned will not be sequential. Specific footnote(s) used during the validation will be provided in Appendix B.

### **Chain-of-Custody Documentation**

The custody documentation was complete for this SDG.

### **Major Deficiencies**

No major deficiencies were identified.

### **Minor Deficiencies and Completeness**

Minor deficiencies identified during validation are summarized per analytical method as follows:

#### Total Chromium by SW6010

No qualification to the data was made. Data usability is the number of usable (non-rejected) sample results divided by the total number of sample results for each type of analysis times 100. Data usability has been determined to be 100%.

#### Hexavalent Chromium by SW7196

All samples were qualified as estimated and assigned footnote H11 or H12 to indicate low post verification spike recovery. Data usability is the number of usable (non-rejected) sample results divided by the total number of sample results for each type of analysis times 100. Data usability has been determined to be 100%.

### **Data Assessment Summary**

Overall, the laboratory performed the analyses in accordance with the requirements set forth in the methods.

**Data Usability**

Based on the validation of data, it has been determined that 100% of the data are usable as qualified. The analytical data are of sufficient quality to be used for qualitative and quantitative purposes.



## APPENDIX A

### Sample Summary Table

---

Honeywell Hudson County  
 Accutest  
 Sampling Date 10/12/09  
 Fraction: Wet Chemistry, Inorganics  
 SDG: JA30201  
 NJDEP SRP No.  
 Matrix: Water

TARGET AND NON-TARGET ANALYTE SUMMARY

Fraction	Dilution Factor	Field Sample ID	Laboratory Sample ID	Parameter	Units	Method Blank Result	Lab Concentration & Qualifiers	QA Reported	QA Decision	NJDEP Footnote
SW6010	1	117-MW-A014-101209	JA30201-1	Chromium	ug/l	10U	37.6	37.6		
SW7196	1	117-MW-A014-101209	JA30201-1	Chromium, Hexavalent	mg/l	0.010U	0.028	0.028J	Qualified	H11
SW9060	1	117-MW-A014-101209	JA30201-1	Total Organic Carbon	mg/l	1.0U	2.9	2.9		
SW6010	1	117-MW-A014F-101209	JA30201-1F	Chromium	ug/l	10U	34.3	34.3		
SW7196	1	117-MW-A014F-101209	JA30201-1F	Chromium, Hexavalent	mg/l	0.010U	0.027	0.027J	Qualified	H11
SW6010	1	117-MW-A89-101209	JA30201-2	Chromium	ug/l	10U	30.5	30.5		
SW7196	1	117-MW-A89-101209	JA30201-2	Chromium, Hexavalent	mg/l	0.010U	0.010U	0.010UJ	Qualified	H12
SW9060	1	117-MW-A89-101209	JA30201-2	Total Organic Carbon	mg/l	1.0U	9.2	9.2		
SW7196	1	117-MW-A89F-101209	JA30201-2F	Chromium, Hexavalent	mg/l	0.010U	0.010U	0.010UJ	Qualified	H12
SW7196	1	117-MW-A05-101209	JA30201-3	Chromium, Hexavalent	mg/l	0.010U	0.010U	0.010UJ	Qualified	H12
SW9060	1	117-MW-A05-101209	JA30201-3	Total Organic Carbon	mg/l	1.0U	2	2		
SW7196	1	117-MW-A05F-101209	JA30201-3F	Chromium, Hexavalent	mg/l	0.010U	0.010U	0.010UJ	Qualified	H12
SW7196	1	117-MW-A05DP-101209	JA30201-4	Chromium, Hexavalent	mg/l	0.010U	0.010U	0.010UJ	Qualified	H12
SW9060	1	117-MW-A05DP-101209	JA30201-4	Total Organic Carbon	mg/l	1.0U	1.8	1.8		
SW7196	1	117-MW-A05DPE-101209	JA30201-4F	Chromium, Hexavalent	mg/l	0.010U	0.010U	0.010UJ	Qualified	H12
SW6010	1	117-MW-A85-101209	JA30201-5	Chromium	ug/l	10U	89.9	89.9		
SW7196	1	117-MW-A85-101209	JA30201-5	Chromium, Hexavalent	mg/l	0.010U	0.010U	0.010UJ	Qualified	H12
SW9060	1	117-MW-A85-101209	JA30201-5	Total Organic Carbon	mg/l	1.0U	9.6	9.6		
SW7196	1	117-MW-A85F-101209	JA30201-5F	Chromium, Hexavalent	mg/l	0.010U	0.010U	0.010UJ	Qualified	H12
SW6010	1	117-MW-A062-101209	JA30201-6	Chromium	ug/l	10U	1570	1570		
SW7196	1	117-MW-A062-101209	JA30201-6	Chromium, Hexavalent	mg/l	0.010U	0.010U	0.010UJ	Qualified	H12
SW9060	1	117-MW-A062-101209	JA30201-6	Total Organic Carbon	mg/l	1.0U	13.6	13.6		
SW6010	1	117-MW-A062F-101209	JA30201-6F	Chromium	ug/l	10U	55.1	55.1		
SW7196	1	117-MW-A062F-101209	JA30201-6F	Chromium, Hexavalent	mg/l	0.010U	0.010U	0.010UJ	Qualified	H12
SW6010	1	117-MW-A99-101209	JA30201-7	Chromium	ug/l	10U	10.9	10.9		
SW7196	1	117-MW-A99-101209	JA30201-7	Chromium, Hexavalent	mg/l	0.010U	0.010U	0.010UJ	Qualified	H12
SW9060	1	117-MW-A99-101209	JA30201-7	Total Organic Carbon	mg/l	1.0U	6.8	6.8		
SW7196	1	117-MW-A99F-101209	JA30201-7F	Chromium, Hexavalent	mg/l	0.010U	0.010U	0.010UJ	Qualified	H12
SW6010	10	117-MW-S4-101209	JA30201-8	Chromium	ug/l	10U	334000	334000		
SW7196	500	117-MW-S4-101209	JA30201-8	Chromium, Hexavalent	mg/l	0.010U	328	328J	Qualified	H11
SW9060	1	117-MW-S4-101209	JA30201-8	Total Organic Carbon	mg/l	1.0U	6.1	6.1		
SW6010	10	117-MW-S4F-101209	JA30201-8F	Chromium	ug/l	10U	353000	353000		
SW7196	500	117-MW-S4F-101209	JA30201-8F	Chromium, Hexavalent	mg/l	0.010U	325	325J	Qualified	H11
SW7196	1	117-MW-FB-101209	JA30201-9	Chromium, Hexavalent	mg/l	0.010U	0.010U	0.010UJ	Qualified	H12

## **APPENDIX B**

### **NJDEP Qualifiers**

Reason Code	Description
H11	The reported value was qualified because the PVS recovery was less than 85 percent.
H12	The non-detected value was qualified (UJ) because the PVS recovery was less than 85 percent. The possibility of a false negative exists.

**APPENDIX C**

**NJDEP Validation Forms,  
Other Validation Forms.**

DATA DELIVERABLE REQUIREMENTS

Site Name Honeywell Hudson Co. Job Code A30201  
 Location 845 Site 117 Date of Review 11 3 09  
 Laboratory Name STL Accutest CAS Lead Division/Bureau NJDEP  
 Reviewer Christina Jensen Methodology Review Cx 1200B  
 Site/Case Manager EM Gaven  
maria kaouris

GENERAL REQUIREMENTS: Circle YES or NO and list the deviations at the bottom:

- |                            |   |                            |   |
|----------------------------|---|----------------------------|---|
| A. Permanently Bound       | Yes <input type="radio"/> No <input checked="" type="radio"/> | G. Methodology Review      | Yes <input checked="" type="radio"/> No <input type="radio"/> |
| B. Paginated               | Yes <input checked="" type="radio"/> No <input type="radio"/> | H. Uninitialed Strikeovers | Yes <input type="radio"/> No <input checked="" type="radio"/> |
| C. Title Page              | Yes <input checked="" type="radio"/> No <input type="radio"/> | I. Legible Photocopies     | Yes <input checked="" type="radio"/> No <input type="radio"/> |
| D. Table of Contents       | Yes <input checked="" type="radio"/> No <input type="radio"/> | J. Consistent Dates        | Yes <input checked="" type="radio"/> No <input type="radio"/> |
| E. Chain of Custody        | Yes <input checked="" type="radio"/> No <input type="radio"/> | K. Digestion Log           | Yes <input checked="" type="radio"/> No <input type="radio"/> |
| F. Non-conformance Summary | Yes <input checked="" type="radio"/> No <input type="radio"/> |                            |   |

Describe any deviations from the requirements \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

HOLDING TIMES FOR METALS

Matrix: Aqueous ( / ) or Nonaqueous ( )

SAMPLE ID FIELD or LAB	DATE of SAMPLE COLLECTIO N	ICP ANALYSIS DATE	MERCURY ANALYSIS DATE	FURNACE ANALYSIS DATE	HOLDING TIME EXCEEDED
1 JA3020-1	10 12 09	10 27 09			No
2 1F	"	"			
3 2F		10 27 09			
4 2F		10 27 09			
5 3		10 27 09			
6 3F		10 27 09			
7 4		10 27 09			
8 4F		10 27 09			
9 5		10 27 09			
10 5F		10 27 09			
11 6		10 27 09			
12 6F		10 27 09			
13 7		10 27 09			
14 7F		10 27 09			
15 8		10 27 09			
16 8F		10 27 09			
17 9		10 27 09			A
18					
19					
20					

COMMENTS

COOLER

TEMP 25°C, 23°C

PRESERVATION Lab stamped cool as correctly preserved

HANDLING TIME same day

**INSTRUMENT CALIBRATION, INITIAL CALIBRATION CHECK (ICC) and  
INITIAL CALIBRATION VERIFICATION (ICV)**

Part 1 of 2

ASSOCIATED SAMPLES all

1. a. Was the ICP instrument (6010B) properly standardized?  Yes No N/A

If no, explain and list action. \_\_\_\_\_

b. Was the AA instrument (7000 Methods) properly standardized? Yes  No N/A

If no, explain and list action. \_\_\_\_\_

c. Was the instrument used for Mercury properly standardized? Yes No  N/A

If no, explain and list action. \_\_\_\_\_

2. Was the ICV/ICC analyzed immediately after the systems were calibrated?  Yes No

If no, explain and list action. \_\_\_\_\_

3. Was the ICV/ICC analyzed for every analyte?  Yes No

If no, explain and list action. \_\_\_\_\_

4. Do all ICV/ICC analytes meet the QC requirements for % recovery?  Yes No

If no, list affected analytes, their % recovery, associated samples, and action.

5. a. Show calculation for the % recovery of one ICV analyte analyzed by ICP.

Analyte Cu

Lab Value 97

$973 / 1000 = .97$



**INSTRUMENT CALIBRATION, INITIAL CALIBRATION CHECK (ICC) and  
INITIAL CALIBRATION VERIFICATION (ICV)**

**Part 2 of 2**

- b. Show calculation for the % recovery of one ICC analyte analyzed by AA.

Analyte \_\_\_\_\_ *Na* \_\_\_\_\_ Lab Value \_\_\_\_\_

- c. Show calculation for the ICV % recovery of Mercury.

*Na* \_\_\_\_\_ Lab Value \_\_\_\_\_

6. SPECIFIC COMMENTS \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

CONTINUING CALIBRATION VERIFICATION (CCV) and CALIBRATION CHECK STANDARD (CCS)

ASSOCIATED SAMPLES all

Part 1 of 2

1. a. Was the CCV/CCS performed at the minimum frequency of 10%?  Yes  No

If no, list action. \_\_\_\_\_

b. Was the CCV/CCS performed after ten samples and at the end of sample analysis?  Yes  No

If no, list action. \_\_\_\_\_

2. Were the CCV/CCS standards analyzed for all analytes?  Yes  No

If no, list affected analytes, their associated samples and action.

\_\_\_\_\_

3. Was the CCV/CCS concentration near the midpoint of the calibration curve?  Yes  No

If no, list affected analytes, their associated samples and action.

\_\_\_\_\_

4. Do all CCV/CCS analytes meet the QC requirement for % recovery?  Yes  No

If no, list affected analytes, their associated samples and action.

\_\_\_\_\_

CONTINUING CALIBRATION VERIFICATION (CCV) and CALIBRATION CHECK STANDARD (CCS)

Part 2 of 2

5. a. Show calculation for the % recovery of one CCV analyte analyzed by ICP.

Analyte CW Lab value 293

$$1980/2000 = .9$$

- b. Show calculation for the % recovery of one CCS analyte analyzed by AA.

Analyte \_\_\_\_\_ Na Lab value \_\_\_\_\_

- c. Show calculation for the % recovery of one CCV analyte for Mercury.

Na Lab value \_\_\_\_\_

6. SPECIFIC COMMENTS \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

METHOD BLANK SUMMARY

Method Blank ID MP50217

Sample matrix: Soil ~~Water~~  
 Units: mg/kg ~~ug/L~~

Did the frequency of the method blank analysis meet method requirements?

Yes  No

If no, explain and note action \_\_\_\_\_

ANALYTE	CONCENTRATION	<MDL	COMMENTS / ACTION
CV	.273	yes	none

ASSOCIATED SAMPLES all

**CALIBRATION BLANKS**

ASSOCIATED SAMPLES all  
\_\_\_\_\_  
\_\_\_\_\_

1. Were the initial calibration blanks analyzed for all analytes and run after the ICV/ICC?  
If no, list affected analytes, and action. \_\_\_\_\_  Yes No  
\_\_\_\_\_
  
2. Was the absolute value for all analytes in the calibration blank below the MDL?  
If no, list affected analytes and qualify them. \_\_\_\_\_  Yes No  
\_\_\_\_\_
  
3. Were the continuing calibration blanks analyzed for all analytes and run after the CCV/CCS?  
If no, list affected analytes, associated samples and action. \_\_\_\_\_  Yes No  
\_\_\_\_\_
  
4. Was the frequency for the continuing calibration blanks correct?  Yes No  
If no, list affected analytes, associated samples and action. \_\_\_\_\_

ICP INTERFERENCE CHECK SAMPLE

ASSOCIATED SAMPLES all

1. Was an ICP interference check sample performed at the correct frequency?

If no, note any deviations and action. \_\_\_\_\_

Yes  No

2. Were the analytes interest and interferents for ICS reported?

If no, note deviations. \_\_\_\_\_

Yes  No

3. Did all the required analytes of interest in the ICS meet the QC limit of 80-120%?

If no, list the analytes, the % recovery, associated samples and the action. \_\_\_\_\_

Yes  No

4. Show the calculation for the % recovery for one analyte in the ICS.

Analyte CV

Lab value 95%

$475/500 = .95$

5. COMMENTS \_\_\_\_\_

MATRIX SPIKE (MS) and MATRIX SPIKE DUPLICATE (MSD)

Part 1 of 2

Spike Analysis performed on sample JA30201-33F % Solids NA

Sample matrix: Soil   Water

Units: mg/kg   ug/L

ASSOCIATED SAMPLES all

\_\_\_\_\_  
\_\_\_\_\_

1. Was the MS/MSD performed at the correct frequency?  Yes  No

If no, note deviations and action \_\_\_\_\_  
\_\_\_\_\_

2. Was the MS/MSD analyses performed on a field sample?  Yes  No

If no, reject all associated samples. \_\_\_\_\_

3. a. Were two (2) analytical methods used to obtain reported values for one analyte (i.e., ICP and AA) ?  Yes  No

If yes, list analytes \_\_\_\_\_  
\_\_\_\_\_

b. Was MS/MSD analysis performed using both methods for that analyte?  Yes  No  
If no, reject affected sample(s) which did not have spike analysis performed.

MATRIX SPIKE (MS) and MATRIX SPIKE DUPLICATE (MSD)

Part 2 of 2

4. Did the % recovery for all analytes meet the criteria of 75-125 %?

Yes  No

If no, list % recovery in parenthesis next to the analyte out and action.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

5. Did the Relative Percent Difference (RPD) for all analytes meet the requirement of 20% RPD?

Yes  No  N/A

If no, list analytes and action. \_\_\_\_\_  
\_\_\_\_\_

6. a. Show calculation for % recovery for one analyte.

Analyte CV

Lab value 95

$$199 - 7.3 / 208 = 9$$

b. Show calculation for % RPD for one analyte.

Analyte CV

Lab value 4.4

$$\frac{199 - 208}{199 + 208/2} = .044$$



*No*

**POST-DIGESTION SPIKE ANALYSIS**

Post Digestion Spike Analysis performed on sample \_\_\_\_\_

Sample matrix:            Soil            Water                            % Solids \_\_\_\_\_

Units:                        mg/kg            ug/L

ASSOCIATED SAMPLES \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

1. Was post-digestion spike analysis performed at the correct frequency? Yes    No

If no, list the analyte(s) and action.

\_\_\_\_\_

2. Was post-digestion spike performed on a field sample? Yes    No

If no, list analytes and qualify them.

\_\_\_\_\_

\_\_\_\_\_

3. List the analyte(s), and their % recovery where post-digestion spike analysis was performed but still did not meet the QC criteria and action. N/A

\_\_\_\_\_

\_\_\_\_\_

4. Show the calculation for % recovery for at least one analyte where post-digestion spike analysis was performed.

Analyte \_\_\_\_\_

Lab value \_\_\_\_\_

5. Comments: \_\_\_\_\_

\_\_\_\_\_

9

LABORATORY CONTROL SAMPLE (LCS)

Sample matrix: Soil

Water

Units: mg/kg

ug/L

ASSOCIATED SAMPLES

1. Was the laboratory control sample performed at the correct frequency?

Yes

No

If no, give action.

2. Do all analytes meet the QC limits of 80-120 %?

Yes

No

If no, list analytes, their % recovery and action.

3. Show the calculation for % recovery for one analyte.

Analyte CV

Lab Value 97

Soil limits 80-120

487/5002.97

4. Comments:

SERIAL DILUTION ANALYSIS

Serial Dilution performed on sample JA 3020-7.33 Dilution Factor 5

Sample matrix: Soil Water Units: mg/kg ug/L

ASSOCIATED SAMPLES all

1. Was a serial dilution performed at the correct frequency? Yes No  
If no, give action \_\_\_\_\_

2. Was a field sample used for serial dilution? Yes No  
If no, give action \_\_\_\_\_

3. For all analytes greater than ten times the IDL after dilution for 6010B and 25 times the EDL for 7000A methods, was a serial dilution performed? Yes No  
If no, list analytes and reject them. \_\_\_\_\_

4. For all analytes that needed serial dilution analysis, was the QC limit of 10 % D met? Yes No  
If no, list those analytes outside the limits and qualify them. \_\_\_\_\_

5. Show calculation for % D for one analyte analyzed by ICP.  
Analyte Cu Lab value .3

$$\frac{.733 - 7.34}{7.33} = .003$$

*na*

**METHOD OF STANDARD ADDITION (MSA)**

ASSOCIATED SAMPLES \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

1. If the post digestion spike recovery for Methods 7000A was outside the QC limit, was the MSA performed? Yes No

If no, explain and list action. \_\_\_\_\_

\_\_\_\_\_

2. Was the MSA within the linear range of the instrument? Yes No

If no, explain and list action. \_\_\_\_\_

\_\_\_\_\_

3. Was the MSA sample and spikes analyzed consecutively? Yes No

If no, explain and list action. \_\_\_\_\_

\_\_\_\_\_

4. Was the slope of the MSA plot less than 20% difference of the slope of the standard curve? Yes No

If no, explain and list action. \_\_\_\_\_

\_\_\_\_\_

5. Comments: \_\_\_\_\_

\_\_\_\_\_

*A*

ASSOCIATED SAMPLES All **SAMPLE RESULT VERIFICATION**

1. Were all sample results reported within the calibration range?  Yes No  
If no, list affected samples and action. \_\_\_\_\_
  
2. Was the raw data free of any anomalies?  Yes No  
If no, list affected samples and action. \_\_\_\_\_
  
3. Was the data package free of any computational or transcription errors?  Yes No  
If no, list affected samples and action. \_\_\_\_\_
  
4. Was the % solids analysis performed for all nonaqueous samples? Yes No  N/A  
If no, list affected samples and action. \_\_\_\_\_
  
5. Show the calculation for % solids for one sample. Lab Value  N/A \_\_\_\_\_
  
6. Verify that nonaqueous samples were reported on a  dry weight basis by recalculating the result for one analyte in a sample.  N/A  
Sample \_\_\_\_\_ Analyte \_\_\_\_\_ Lab value \_\_\_\_\_

DATA DELIVERABLE REQUIREMENTS  
for  
HEXAVALENT CHROMIUM

SRP No. \_\_\_\_\_  
Site Name Honeywell Hudson County  
Location Edison, NJ  
Laboratory Name STL Accutest CAS  
Reviewer Christina Jensen  
Date of Review 11 3 09

SDG JA30201  
Site Manager Engaver/Maria Louvis  
Lead Division/Bureau NJDEP  
Methodology SW3060-SW7196, 7199

GENERAL REQUIREMENTS: Circle YES or NO and list the deviations at the bottom:

- |                            |   |                            |   |
|----------------------------|---|----------------------------|---|
| A. Permanently Bound       | Yes <input type="radio"/> No <input checked="" type="radio"/> | G. Methodology Review      | Yes <input checked="" type="radio"/> No <input type="radio"/> |
| B. Paginated               | Yes <input checked="" type="radio"/> No <input type="radio"/> | H. Uninitialed Strikeovers | Yes <input type="radio"/> No <input checked="" type="radio"/> |
| C. Title Page              | Yes <input checked="" type="radio"/> No <input type="radio"/> | I. Legible Xerox           | Yes <input checked="" type="radio"/> No <input type="radio"/> |
| D. Table of Contents       | Yes <input checked="" type="radio"/> No <input type="radio"/> | J. Consistent Dates        | Yes <input checked="" type="radio"/> No <input type="radio"/> |
| E. Chain of Custody        | Yes <input checked="" type="radio"/> No <input type="radio"/> |                            |   |
| F. Non-conformance Summary | Yes <input checked="" type="radio"/> No <input type="radio"/> |                            |   |

Describe any deviations from the requirements \_\_\_\_\_

HOLDING TIMES

Sample ID Field or Lab	Matrix	Date of Sample Collection	Hex Chrome Analysis Date	Holding Time Exceeded	QA Decision		
1 JA300201-1	W	10/20/09	10/20/09	No	none		
2 1F		"	"				
3 2		"	"				
4 2F		"	"				
5 3		"	"				
6 3F		"	"				
7 4		"	"				
8 4F		"	"				
9 5		"	"				
10 5F		"	"				
11 6		"	"				
12 6F		"	"				
13 7		"	"				
14 7F		"	"				
15 8		"	"				
16 8F		"	"				
17 9		"	"			No	↓
18							
19							
20							

List any samples that exceeded the holding time, the number of days exceeded by and QA decision.

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INSTRUMENT CALIBRATION CURVE  
and  
CALIBRATION CHECK STANDARD (CCS)

ASSOCIATED SAMPLES

*all*

1. Was the instrument properly standardized?  
If no, explain and list action.

Yes

No

2. Was the CCS analyzed at the proper frequency?  
If no, explain and list action.

Yes

No

3. Was the same CCS concentration used throughout the analysis?  
If no, list action.

Yes

No

4. Does the CCS standard meet the QC requirements of 90-110% recovery?  
If no, list the % recovery, and action.

Yes

No

5. Show calculation for the % recovery of Hexavalent Chromium in the CCS standard.

Lab value 100

*501 / 5 = 100.2*



CALIBRATION BLANKS

ASSOCIATED SAMPLES all

---

---

1. Was the calibration blank analyzed before the instrument's initial calibration standards?  
 Yes     No

If no, list action. \_\_\_\_\_  
\_\_\_\_\_

2. Was a calibration blank analyzed after the calibration check standard?  
 Yes     No

If no, list associated samples and action. \_\_\_\_\_  
\_\_\_\_\_

3. Was the value of Hexavalent Chromium for the continuing calibration blank below the MDL?  
 Yes     No

If no, list associated samples and qualify them. \_\_\_\_\_  
\_\_\_\_\_

PREPARATION/REAGENT BLANK SUMMARY

Preparation/Reagent Blank ID SP21097-MB1

Sample matrix: Soil Water  
Units: mg/kg ug/L

Does the frequency of the preparation/reagent blank analysis meet method requirements?  
 Yes  No

If no, explain and note action \_\_\_\_\_  
\_\_\_\_\_

ANALYTE	CONCENTRATION	< MDL	>IDL	COMMENTS / ACTION
<u>Cr(VI)</u>	<u>- .0025</u>	<u>yes</u>	<u>no</u>	<u>none</u>

ASSOCIATED SAMPLES  
all

*AQ, See next page*  
PREDIGESTION SPIKE ANALYSIS

Spike Analysis performed on sample \_\_\_\_\_ Solids \_\_\_\_\_

Sample matrix: Soil Units: mg/kg

ASSOCIATED SAMPLES \_\_\_\_\_

1. Was the predigestion spike analysis performed at the correct frequency?  
Yes No

If no, note deviations and action \_\_\_\_\_

2. Was the predigestion spike analysis performed on a field sample?  
Yes No

If no, reject all associated samples. \_\_\_\_\_

3. Was the predigestion spike analysis performed at the proper concentration?  
Yes No

If no, qualify the associated samples. \_\_\_\_\_

4. Did the % recovery for hexavalent chromium meet the criteria of 75-125 % ?  
Yes No

If no, list action. \_\_\_\_\_

5. Show calculation for predigestion spike recovery of Hexavalent Chromium.

Lab value \_\_\_\_\_



POST VERIFICATION SPIKE ANALYSIS

Post Verification Spike (PVS) performed on sample JA 30214-2

Sample matrix: Soil Water % Solids \_\_\_\_\_

Units: mg/kg ug/L

ASSOCIATED SAMPLES all

1. Was PVS analysis performed at the correct frequency and proper concentration?  
 Yes  No  
If no, list action. \_\_\_\_\_

2. Was PVS analysis performed on a field sample?  Yes  No  
If no, list action \_\_\_\_\_

3. a. Does the PVS recovery meet the criteria of 85-115%?  Yes  No  
If no, list action all samples H11 or H12 (NO)  
for low post spike recovery

b. If the PVS recovery was less than 85%, did the laboratory reanalyze the sample?  
If no, list action lab was pH adjusted w/ good recovery

4. Show the calculation for % recovery for PVS.  
Lab value 42  
 $.063 / .15 = .42$

DUPLICATE ANALYSIS

Duplicate Analysis performed on sample JA30201-3.3% Solids MA

Sample matrix:      Soil      Water

Units:                      mg/kg      ug/L

ASSOCIATED SAMPLES all

1. Was the Duplicate analyses performed at the correct frequency?  Yes  No  
If no, list action. \_\_\_\_\_

2. Was the duplicate analysis performed on a field sample?  Yes  No  
If no, reject all associated samples. \_\_\_\_\_

3. Does the duplicate analysis meet the QC control limits?  Yes  No  
If no, qualify the associated samples. \_\_\_\_\_

4. Show the calculation for RPD for Hexavalent Chromium.

Lab value φ

$$\phi / \phi = \phi$$

LABORATORY CONTROL SAMPLE

Sample matrix:      Soil      Water

Units:                      mg/kg      ug/L

ASSOCIATED SAMPLES all

1. Was the laboratory control sample performed at the correct frequency?  
If no, list action.                      Yes No

2. Does the LCS meet the QC limit of 80-120 %                      Yes No  
If no, list the % recovery and action. \_\_\_\_\_ Range Used \_\_\_\_\_

3. Show the calculation for the LCS % recovery for hexavalent chromium.  
Lab Value 100  
Range = .15 / .15 = 1

SAMPLE RESULT VERIFICATION

ASSOCIATED SAMPLES All

1. Were all samples reported within the calibration range?  Yes  No  
If no, list affected samples and action. \_\_\_\_\_

2. Was the raw data free of any anomalies?  Yes  No  
If no, list affected samples and action. \_\_\_\_\_

3. Was the data package free of any computational or transcription errors?  Yes  No  
If no, list affected samples and action. \_\_\_\_\_

4. Were both 3060 & 7196A pH readings provided and within method requirements?  Yes  No  N/A  
If no, list affected samples and action. \_\_\_\_\_

\_\_\_\_\_ 3060A? 7196

5. Were the hotplate temperatures provided and within method requirements?  Yes  No  N/A  
If no, list affected samples and action. \_\_\_\_\_

6. Show the calculation for % solids for one sample.  N/A  
Lab value \_\_\_\_\_

7. Show the calculation for a nonaqueous sample.  
Lab value \_\_\_\_\_

**October 2010 Data Validation Report (117-MW-A014)**



To: Ed Gaven/Vanthuy Lieu, MACTEC Engineering and Consulting, Inc.  
 From: Christina Jensen, Validata, LLC  
 Re: Honeywell Hudson County Data Validation  
 Date: November 23, 2010

This memorandum discusses the results of the data validation of analytical data in Sample Delivery Group (SDG) JA59191B provided by Accutest Laboratory, located in Dayton, New Jersey, for samples collected as part of the Honeywell Hudson County project. No samples were rejected as a result of the data validation process. Appendix A contains the Sample Summary Table, Appendix B contains a list of the State of New Jersey Department of Environmental Protection (NJDEP) data validation footnotes, and Appendix C contains copies of the completed data validation report forms.

The validation for samples in this SDG was performed by Christina Jensen, Validata, LLC. The following table lists the samples that were included in this SDG.

### Samples

Table 1-1. *Sample cross-reference list*

Sampling Date	Field Sample ID	Lab Sample ID	Sample Analyses
10/19/2010	117-FB-101910	JA59191-7	E200.8, SW7199
10/19/2010	117-MW-A14-101910	JA59191-6	E200.8, SW7199
10/19/2010	117-MW-A14-101910	JA59191-6F	E200.8, SW7199

### Validation Level

The level of validation for this SDG is level V for hexavalent chromium and level IV for chromium. The remaining analyses were not validated per the MACTEC project manager.

### References

The samples collected for the project were analyzed in accordance with the following methods:

- USEPA 1986. *Test Methods for Evaluating Solid Waste, SW-846*, 3<sup>rd</sup> Edition, USEPA, Washington, D.C.

The data validation procedures were consistent with those specified in the NJDEP validation guidelines listed below:

- NJDEP. 2002. *Standard Operating Procedure (SOP) entitled Quality Assurance Data Validation of Analytical Deliverables for Inorganics (based on EPA SW-846 Methods)*, SOP No. 5.A.16. Trenton, New Jersey;
- NJDEP. 2001. *Standard Operating Procedure for the Completion of the Data Validation Report Forms and the Preparation of the Final Data Validation Report*, SOP No. 5.A.15, Trenton, New Jersey;
- NJDEP. 2005. *Standard Operating Procedure for Analytical Data Validation of Hexavalent Chromium*, SOP No. 5.A.10, Revision 2, Trenton, New Jersey; and
- NJDEP. 2001. *Standard Operating Procedure for the Completion of the Hexavalent Chromium Data Validation Report Forms and the Preparation of the Final Data Validation Report*, SOP No. 5.A.09 Trenton, New Jersey.

### Sample Summary Table

The Sample Summary Table provided in Appendix A contains only detected and/or qualified data. Results that were non-detect for an analyte were not included in the table.

**Validation Footnotes**

Appendix B contains the footnotes used for this project and shall remain consistent throughout the validation. The footnote(s) assigned will not be sequential. Specific footnote(s) used during the validation will be provided in Appendix B.

**Chain-of-Custody Documentation**

The custody documentation was complete for this SDG.

**Major Deficiencies**

There were no major deficiencies identified with the data.

**Minor Deficiencies and Completeness**

Minor deficiencies identified during validation are summarized per analytical method as follows:

*Total Chromium by E200.8*

No qualification to the data was made. Data usability is the number of usable (non-rejected) sample results divided by the total number of sample results for each type of analysis times 100. Data usability has been determined to be 100%.

*Hexavalent Chromium by SW7199*

All samples were qualified as estimated and assigned footnote H11 or H12 to indicate low post verification spike recovery. Data usability is the number of usable (non-rejected) sample results divided by the total number of sample results for each type of analysis times 100. Data usability has been determined to be 100%.

**Data Assessment Summary**

Overall, the laboratory performed the analyses in accordance with the requirements set forth in the methods.

**Data Usability**

Based on the validation of data, it has been determined that 100% of the data are usable as qualified. The analytical data are of sufficient quality to be used for qualitative and quantitative purposes.

## **APPENDIX A**

### **Sample Summary Table**

Honeywell Hudson County

Accutest

Sampling Date 10/19/10

Fraction: Wet Chemistry, Inorganics

SDG: JA59191B

NJDEP SRP No.

Matrix: Water

**TARGET AND NON-TARGET ANALYTE SUMMARY**

Fraction	Dilution Factor	Field Sample ID	Laboratory Sample ID	Parameter	Units	Method Blank Result	Lab Concentration & Qualifiers	QA Reported	QA Decision	NJDEP Footnote
E200.8	1	117-MW-A14-101910	JA59191-6	Chromium	ug/l	4.0U	40.7	40.7		
SW7199	1	117-MW-A14-101910	JA59191-6	Chromium, Hexavalent	mg/l	0.0055 UU	0.031	0.031J	Qualified	H11
E200.8	1	117-MW-A14-101910	JA59191-6F	Chromium	ug/l	4.0U	38.9	38.9		
SW7199	1	117-MW-A14-101910	JA59191-6F	Chromium, Hexavalent	mg/l	0.0055 UU	0.021	0.021J	Qualified	H11
SW7199	1	117-FB-101910	JA59191-7	Chromium, Hexavalent	mg/l	0.0055 UU	0.0055U	0.0055UJ	Qualified	H12

**APPENDIX B**

**NJDEP Qualifiers**

Reason  
Code

Description

H11

The reported value was qualified because the PVS recovery was less than 85 percent.

H12

The non-detected value was qualified (UJ) because the PVS recovery was less than 85 percent. The possibility of a false negative exists.

**APPENDIX C**

**NJDEP Validation Forms,  
Other Validation Forms.**

DATA DELIVERABLE REQUIREMENTS  
for  
HEXAVALENT CHROMIUM

SRP No. \_\_\_\_\_  
Site Name\_Honeywell Hudson County\_  
Location\_Edison, NJ \_\_\_\_\_  
Laboratory Name\_Accutest  
Reviewer\_Christina Jensen  
Date of Review\_11.18.10

SDG\_DAS9191  
Site Manager\_Ed Gaven/Maria Kaouris  
Lead Division/Bureau\_NJDEP  
Methodology\_SW3060 7196 (7199)

GENERAL REQUIREMENTS: Circle YES or NO and list the deviations at the bottom:

- |                            |   |                            |   |
|----------------------------|---|----------------------------|---|
| A. Permanently Bound       | Yes <input type="radio"/> No <input checked="" type="radio"/> | G. Methodology Review      | Yes <input checked="" type="radio"/> No <input type="radio"/> |
| B. Paginated               | Yes <input checked="" type="radio"/> No <input type="radio"/> | H. Uninitialed Strikeovers | Yes <input type="radio"/> No <input checked="" type="radio"/> |
| C. Title Page              | Yes <input checked="" type="radio"/> No <input type="radio"/> | I. Legible Xerox           | Yes <input checked="" type="radio"/> No <input type="radio"/> |
| D. Table of Contents       | Yes <input checked="" type="radio"/> No <input type="radio"/> | J. Consistent Dates        | Yes <input checked="" type="radio"/> No <input type="radio"/> |
| E. Chain of Custody        | Yes <input checked="" type="radio"/> No <input type="radio"/> |                            |   |
| F. Non-conformance Summary | Yes <input checked="" type="radio"/> No <input type="radio"/> |                            |   |

Describe any deviations from the requirements \_\_\_\_\_



HOLDING TIMES

Sample ID Field or Lab	Matrix	Date of Sample Collection	Hex Chrome Analysis Date	Holding Time Exceeded	QA Decision
1 JAS9191-1	W	10-19-10	10-20-10	no	none
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

List any samples that exceeded the holding time, the number of days exceeded by and QA decision.

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INSTRUMENT CALIBRATION CURVE  
and  
CALIBRATION CHECK STANDARD (CCS)

ASSOCIATED SAMPLES

*All*

1. Was the instrument properly standardized?  
If no, explain and list action.

Yes

No

2. Was the CCS analyzed at the proper frequency?  
If no, explain and list action.

Yes

No

3. Was the same CCS concentration used throughout the analysis?  
If no, list action.

Yes

No

4. Does the CCS standard meet the QC requirements of 90-110% recovery?  
If no, list the % recovery, and action.

Yes

No

5. Show calculation for the % recovery of Hexavalent Chromium in the CCS standard.

$$2u/1.25 = 1.04$$

Lab value 1.04

CALIBRATION BLANKS

ASSOCIATED SAMPLES all

1. Was the calibration blank analyzed before the instrument's initial calibration standards?  
 Yes     No

If no, list action. \_\_\_\_\_  
\_\_\_\_\_

2. Was a calibration blank analyzed after the calibration check standard?  
 Yes     No

If no, list associated samples and action.  
\_\_\_\_\_  
\_\_\_\_\_

3. Was the value of Hexavalent Chromium for the continuing calibration blank below the MDL?  
 Yes     No

If no, list associated samples and qualify them.  
\_\_\_\_\_  
\_\_\_\_\_

PREPARATION/REAGENT BLANK SUMMARY

Preparation/Reagent Blank ID 975595

Sample matrix: Soil Water  
Units: mg/kg ug/L

Does the frequency of the preparation/reagent blank analysis meet method requirements?

Yes  No

If no, explain and note action \_\_\_\_\_

ANALYTE	CONCENTRATION	< MDL	> IDL	COMMENTS / ACTION
0				

ASSOCIATED SAMPLES

All

*HA 603- See next page*  
PREDIGESTION SPIKE ANALYSIS

Spike Analysis performed on sample \_\_\_\_\_ Solids \_\_\_\_\_

Sample matrix: Soil

Units: mg/kg

ASSOCIATED SAMPLES \_\_\_\_\_

1. Was the predigestion spike analysis performed at the correct frequency?  
Yes No

If no, note deviations and action \_\_\_\_\_

2. Was the predigestion spike analysis performed on a field sample?  
Yes No

If no, reject all associated samples. \_\_\_\_\_

3. Was the predigestion spike analysis performed at the proper concentration?  
Yes No

If no, qualify the associated samples. \_\_\_\_\_

4. Did the % recovery for hexavalent chromium meet the criteria of 75-125 % ?  
Yes No

If no, list action. \_\_\_\_\_

5. Show calculation for predigestion spike recovery of Hexavalent Chromium.

Lab value \_\_\_\_\_

*9*

POST VERIFICATION SPIKE ANALYSIS

Post Verification Spike (PVS) performed on sample DA591191-1, 1F

Sample matrix: Soil  Water  % Solids \_\_\_\_\_  
Units: mg/kg  ug/L

ASSOCIATED SAMPLES all

1. Was PVS analysis performed at the correct frequency and proper concentration?  
 Yes  No  
If no, list action. \_\_\_\_\_

2. Was PVS analysis performed on a field sample?  Yes  No  
If no, list action \_\_\_\_\_

3. a. Does the PVS recovery meet the criteria of 85-115%? <sup>5-11-2010</sup>  Yes  No  
If no, list action all spots I/UT H11 or H12  
low post spike recovery

b. If the PVS recovery was less than 85%, did the laboratory reanalyze the sample?  
Yes  No  NA  
If no, list action \_\_\_\_\_

4. Show the calculation for % recovery for PVS.  
.03/.05 = .5 Lab value 59

DUPLICATE ANALYSIS

Duplicate Analysis performed on sample JA59191-1/1F %Solids \_\_\_\_\_

Sample matrix: Soil Water

Units: mg/kg ug/l

ASSOCIATED SAMPLES all

1. Was the Duplicate analyses performed at the correct frequency? Yes No  
If no, list action. \_\_\_\_\_

2. Was the duplicate analysis performed on a field sample? Yes No  
If no, reject all associated samples. \_\_\_\_\_

3. Does the duplicate analysis meet the QC control limits? Yes No  
If no, qualify the associated samples. \_\_\_\_\_

4. Show the calculation for RPD for Hexavalent Chromium.  
Lab value φ

$\phi / \phi = \phi$

LABORATORY CONTROL SAMPLE

Sample matrix: Soil Water

Units: mg/kg ug/L

ASSOCIATED SAMPLES all

1. Was the laboratory control sample performed at the correct frequency?  
If no, list action. Yes No

2. Does the LCS meet the QC limit of 80-120 % Yes No  
If no, list the % recovery and action. \_\_\_\_\_ Range Used \_\_\_\_\_

3. Show the calculation for the LCS % recovery for hexavalent chromium.

Lab Value 101

Range =

$.506 / .507 = 1.01$



SAMPLE RESULT VERIFICATION

ASSOCIATED SAMPLES All

1. Were all samples reported within the calibration range?  Yes  No  
If no, list affected samples and action. \_\_\_\_\_

2. Was the raw data free of any anomalies?  Yes  No  
If no, list affected samples and action. \_\_\_\_\_

3. Was the data package free of any computational or transcription errors?  Yes  No  
If no, list affected samples and action. \_\_\_\_\_

4. Were both 3060 & 7196A pH readings provided and within method requirements?  
Yes No  N/A  
If no, list affected samples and action. \_\_\_\_\_  
\_\_\_\_\_ 3060A? \_\_\_\_\_

5. Were the hotplate temperatures provided and within method requirements?  
Yes No  N/A  
If no, list affected samples and action. \_\_\_\_\_

6. Show the calculation for % solids for one sample.  N/A  
Lab value \_\_\_\_\_

7. Show the calculation for a nonaqueous sample.  
Lab value \_\_\_\_\_

DATA DELIVERABLE REQUIREMENTS

Site Name Honeywell Hudson Co. Job Code JAS9191  
 Location SAS Site 153 Langer Date of Review 11-17-10  
 Laboratory Name Accutest Lead Division/Bureau NJDEP  
 Reviewer Christina Jensen Methodology Review CR 20.8  
 Site/Case Manager Ed Gaven/Maria Kaouris

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GENERAL REQUIREMENTS: Circle YES or NO and list the deviations at the bottom:

---

- |                            |   |                            |   |
|----------------------------|---|----------------------------|---|
| A. Permanently Bound       | Yes <input checked="" type="radio"/> No <input type="radio"/> | G. Methodology Review      | <input checked="" type="radio"/> Yes <input type="radio"/> No |
| B. Paginated               | <input checked="" type="radio"/> Yes <input type="radio"/> No | H. Uninitialed Strikeovers | Yes <input type="radio"/> No <input checked="" type="radio"/> |
| C. Title Page              | <input checked="" type="radio"/> Yes <input type="radio"/> No | I. Legible Photocopies     | <input checked="" type="radio"/> Yes <input type="radio"/> No |
| D. Table of Contents       | <input checked="" type="radio"/> Yes <input type="radio"/> No | J. Consistent Dates        | <input checked="" type="radio"/> Yes <input type="radio"/> No |
| E. Chain of Custody        | <input checked="" type="radio"/> Yes <input type="radio"/> No | K. Digestion Log           | <input checked="" type="radio"/> Yes <input type="radio"/> No |
| F. Non-conformance Summary | <input checked="" type="radio"/> Yes <input type="radio"/> No |                            |   |

Describe any deviations from the requirements \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

HOLDING TIMES FOR METALS

Matrix: Aqueous ( / ) or Nonaqueous ( )

SAMPLE ID FIELD or LAB	DATE of SAMPLE COLLECTIO N	ICP ANALYSIS DATE	MERCURY ANALYSIS DATE	FURNACE ANALYSIS DATE	HOLDING TIME EXCEEDED
1 JAS9191-1	10/19/10	10/2/10			no
2 1F					
3 2F					
4 3F					
5 4F					
6 5F					
7 6F					
8 7F					
9 8F					
10 9F					
11 10F					
12 11F					
13 12F					
14 13F					
15					
16					
17					
18					
19					
20					

COMMENTS \_\_\_\_\_  
 COOLER \_\_\_\_\_ TEMP 1.2 - 0.2  
 PRESERVATION Total vol - HNO3  
 HANDLING TIME Same day

**INSTRUMENT CALIBRATION, INITIAL CALIBRATION CHECK (ICC) and  
INITIAL CALIBRATION VERIFICATION (ICV)**

Part 1 of 2

ASSOCIATED SAMPLES all

1. a. Was the ICP instrument (6010B) properly standardized?  Yes No N/A  
If no, explain and list action. \_\_\_\_\_

b. Was the AA instrument (7000 Methods) properly standardized?  Yes  No N/A  
If no, explain and list action. 5/11/18-10

c. Was the instrument used for Mercury properly standardized? Yes No  N/A  
If no, explain and list action. \_\_\_\_\_

2. Was the ICV/ICC analyzed immediately after the systems were calibrated?  Yes No  
If no, explain and list action. \_\_\_\_\_

3. Was the ICV/ICC analyzed for every analyte?  Yes No  
If no, explain and list action. \_\_\_\_\_

4. Do all ICV/ICC analytes meet the QC requirements for % recovery?  Yes No  
If no, list affected analytes, their % recovery, associated samples, and action.  
\_\_\_\_\_

5. a. Show calculation for the % recovery of one ICV analyte analyzed by ICP.  
Analyte Cu Lab Value 107

60.7 / 60.2 = 1.

**INSTRUMENT CALIBRATION, INITIAL CALIBRATION CHECK (ICC) and  
INITIAL CALIBRATION VERIFICATION (ICV)**

**Part 2 of 2**

b. Show calculation for the % recovery of one ICC analyte analyzed by AA.

Analyte \_\_\_\_\_

*na*

Lab Value \_\_\_\_\_

c. Show calculation for the ICV % recovery of Mercury.

*na*

Lab Value \_\_\_\_\_

6. SPECIFIC COMMENTS \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

CONTINUING CALIBRATION VERIFICATION (CCV) and CALIBRATION CHECK STANDARD (CCS)

ASSOCIATED SAMPLES all

Part 1 of 2

1. a. Was the CCV/CCS performed at the minimum frequency of 10%?  Yes  No  
If no, list action. \_\_\_\_\_

b. Was the CCV/CCS performed after ten samples and at the end of sample analysis?  Yes  No  
If no, list action. \_\_\_\_\_

2. Were the CCV/CCS standards analyzed for all analytes?  Yes  No  
If no, list affected analytes, their associated samples and action.  
\_\_\_\_\_

3. Was the CCV/CCS concentration near the midpoint of the calibration curve?  Yes  No  
If no, list affected analytes, their associated samples and action.  
\_\_\_\_\_

4. Do all CCV/CCS analytes meet the QC requirement for % recovery?  Yes  No  
If no, list affected analytes, their associated samples and action.  
\_\_\_\_\_

CONTINUING CALIBRATION VERIFICATION (CCV) and CALIBRATION CHECK STANDARD (CCS)

Part 2 of 2

5. a. Show calculation for the % recovery of one CCV analyte analyzed by ICP.

Analyte CV

Lab value 98

$$49.4 / 50 = .9$$

- b. Show calculation for the % recovery of one CCS analyte analyzed by AA.

Analyte \_\_\_\_\_

*na*

Lab value \_\_\_\_\_

- c. Show calculation for the % recovery of one CCV analyte for Mercury.

*na*

Lab value \_\_\_\_\_

6. SPECIFIC COMMENTS \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

METHOD BLANK SUMMARY

Method Blank ID MP55424  
MP55425

Sample matrix: Soil Water  
Units: mg/kg ug/L

Did the frequency of the method blank analysis meet method requirements?

If no, explain and note action \_\_\_\_\_

Yes  No

ANALYTE	CONCENTRATION	< MDL	COMMENTS / ACTION
Cr	0.01	Yes	none
Cr	.26	Yes	none

ASSOCIATED SAMPLES all



CALIBRATION BLANKS

ASSOCIATED SAMPLES All

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1. Were the initial calibration blanks analyzed for all analytes and run after the ICV/ICC?  
If no, list affected analytes, and action. \_\_\_\_\_  Yes No  
\_\_\_\_\_
  
2. Was the absolute value for all analytes in the calibration blank below the MDL?  
If no, list affected analytes and qualify them. \_\_\_\_\_  Yes No  
\_\_\_\_\_
  
3. Were the continuing calibration blanks analyzed for all analytes and run after the CCV/CCS?  
If no, list affected analytes, associated samples and action. \_\_\_\_\_  Yes No  
\_\_\_\_\_
  
4. Was the frequency for the continuing calibration blanks correct?  Yes No  
If no, list affected analytes, associated samples and action. \_\_\_\_\_

NA for 200.8

ICP INTERFERENCE CHECK SAMPLE

ASSOCIATED SAMPLES all

1. Was an ICP interference check sample performed at the correct frequency?

If no, note any deviations and action. \_\_\_\_\_

Yes  No

2. Were the analytes interest and interferents for ICS reported?

If no, note deviations. \_\_\_\_\_

Yes  No

3. Did all the required analytes of interest in the ICS meet the QC limit of 80-120%?

If no, list the analytes, the % recovery, associated samples and the action. \_\_\_\_\_

Yes  No

4. Show the calculation for the % recovery for one analyte in the ICS.

Analyte Cr

Lab value \_\_\_\_\_

5. COMMENTS \_\_\_\_\_

7

MATRIX SPIKE (MS) and MATRIX SPIKE DUPLICATE (MSD)

Part 1 of 2

JAS9191-6F  
JAS9191-11F

Spike Analysis performed on sample \_\_\_\_\_ % Solids \_\_\_\_\_

Sample matrix: Soil Water

Units: mg/kg ug/l

ASSOCIATED SAMPLES All

1. Was the MS/MSD performed at the correct frequency? Yes No

If no, note deviations and action \_\_\_\_\_

2. Was the MS/MSD analyses performed on a field sample? Yes No

If no, reject all associated samples. \_\_\_\_\_

3. a. Were two (2) analytical methods used to obtain reported values for one analyte (i.e., ICP and AA) ? Yes No

If yes, list analytes \_\_\_\_\_

b. Was MS/MSD analysis performed using both methods for that analyte? No Yes No  
If no, reject affected sample(s) which did not have spike analysis performed.

MATRIX SPIKE (MS) and MATRIX SPIKE DUPLICATE (MSD)

Part 2 of 2

4. Did the % recovery for all analytes meet the criteria of 75-125 %?

Yes No

If no, list % recovery in parenthesis next to the analyte out and action.

Four horizontal lines for handwritten notes.

5. Did the Relative Percent Difference (RPD) for all analytes meet the requirement of 20% RPD?

Yes No N/A

If no, list analytes and action.

One horizontal line for handwritten notes.

6. a. Show calculation for % recovery for one analyte.

Analyte CW

Lab value 82

86.4 - 3.8 / 100 = 82

b. Show calculation for % RPD for one analyte.

Analyte CW

Lab value .7

86.4 - 85.8 / (86.4 + 85.8) / 2 = .007

*No*

**POST-DIGESTION SPIKE ANALYSIS**

Post Digestion Spike Analysis performed on sample \_\_\_\_\_

Sample matrix:          Soil          Water          % Solids \_\_\_\_\_

Units:                  mg/kg          ug/L

ASSOCIATED SAMPLES \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

1. Was post-digestion spike analysis performed at the correct frequency? Yes   No  
If no, list the analyte(s) and action.

\_\_\_\_\_

2. Was post-digestion spike performed on a field sample? Yes   No  
If no, list analytes and qualify them.

\_\_\_\_\_  
\_\_\_\_\_

3. List the analyte(s), and their % recovery where post-digestion spike analysis was performed but still did not meet the QC criteria and action. N/A

\_\_\_\_\_  
\_\_\_\_\_

4. Show the calculation for % recovery for at least one analyte where post-digestion spike analysis was performed.

Analyte \_\_\_\_\_          Lab value \_\_\_\_\_

5. Comments: \_\_\_\_\_

\_\_\_\_\_

*7*

LABORATORY CONTROL SAMPLE (LCS)

Sample matrix: Soil

Water

Units: mg/kg

ug/L

ASSOCIATED SAMPLES

all

1. Was the laboratory control sample performed at the correct frequency?

Yes

No

If no, give action.

2. Do all analytes meet the QC limits of 80-120 %?

Yes

No

If no, list analytes, their % recovery and action.

3. Show the calculation for % recovery for one analyte.

Analyte Cu

Lab Value 99

Soil limits 85-105

$99.2 / 100 = .9$

4. Comments:

NA for 2007

SERIAL DILUTION ANALYSIS

Serial Dilution performed on sample \_\_\_\_\_ Dilution Factor 5

Sample matrix: Soil Water Units: mg/kg ug/L

ASSOCIATED SAMPLES all

1. Was a serial dilution performed at the correct frequency? Yes No

If no, give action \_\_\_\_\_

2. Was a field sample used for serial dilution? Yes No

If no, give action \_\_\_\_\_

3. For all analytes greater than ten times the IDL after dilution for 6010B and 25 times the EDL for 7000A methods, was a serial dilution performed? Yes No

If no, list analytes and reject them. \_\_\_\_\_

4. For all analytes that needed serial dilution analysis, was the QC limit of 10 % D met? Yes No

If no, list those analytes outside the limits and qualify them. \_\_\_\_\_

5. Show calculation for % D for one analyte analyzed by ICP.

Analyte \_\_\_\_\_ Lab value \_\_\_\_\_

*no*

METHOD OF STANDARD ADDITION (MSA)

ASSOCIATED SAMPLES \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

1. If the post digestion spike recovery for Methods 7000A was outside the QC limit, was the MSA performed?

Yes No

If no, explain and list action. \_\_\_\_\_

\_\_\_\_\_

2. Was the MSA within the linear range of the instrument?

Yes No

If no, explain and list action. \_\_\_\_\_

\_\_\_\_\_

3. Was the MSA sample and spikes analyzed consecutively?

Yes No

If no, explain and list action. \_\_\_\_\_

\_\_\_\_\_

4. Was the slope of the MSA plot less than 20% difference of the slope of the standard curve?

Yes No

If no, explain and list action. \_\_\_\_\_

\_\_\_\_\_

5. Comments: \_\_\_\_\_

\_\_\_\_\_

*7*



ASSOCIATED SAMPLES All **SAMPLE RESULT VERIFICATION**

1. Were all sample results reported within the calibration range?  Yes No  
If no, list affected samples and action. \_\_\_\_\_
  
2. \_\_\_\_\_  Yes No  
If no, list affected samples and action. \_\_\_\_\_
  
3. Was the data package free of any computational or transcription errors?  Yes No  
If no, list affected samples and action. \_\_\_\_\_
  
4. \_\_\_\_\_  
Was the % solids analysis performed for all nonaqueous samples? Yes No  N/A  
If no, list affected samples and action. \_\_\_\_\_
  
5. Show the calculation for % solids for one sample. Lab Value  N/A
  
6. Verify that nonaqueous samples were reported on a  dry weight basis by recalculating the result for one analyte in a sample.  N/A  
Sample \_\_\_\_\_ Analyte \_\_\_\_\_ Lab value \_\_\_\_\_

**April 2011 Data Validation Report (117-MW-A014)**

To: Ed Gaven/Vanthuy Lieu, MACTEC Engineering and Consulting, Inc.  
From: Christina Jensen, Validata, LLC  
Re: Honeywell Hudson County Data Validation  
Date: May 18, 2011

This memorandum discusses the results of the data validation of analytical data in Sample Delivery Group (SDG) JA74100 provided by Accutest Laboratory, located in Dayton, New Jersey, for samples collected as part of the Honeywell Hudson County project. No samples were rejected as a result of the data validation process. Appendix A contains the Sample Summary Table, Appendix B contains a list of the State of New Jersey Department of Environmental Protection (NJDEP) data validation footnotes, and Appendix C contains copies of the completed data validation report forms.

The validation for samples in this SDG was performed by Christina Jensen, Validata, LLC. The following table lists the samples that were included in this SDG.

### Samples

Table I-1. *Sample cross-reference list*

Sampling Date	Field Sample ID	Lab Sample ID	Sample Analyses
4/26/2011	117-FB-042611	JA74100-2	E200.8, SW7199
4/26/2011	117-MW-A14-042611	JA74100-1	E200.8, SW7199
4/26/2011	117-MW-A14-042611F	JA74100-1F	E200.8, SW7199

### Validation Level

The level of validation for this SDG is level V for hexavalent chromium and level IV for chromium. The remaining analyses were not validated per the MACTEC project manager.

### References

The samples collected for the project were analyzed in accordance with the following methods:

- USEPA 1986. *Test Methods for Evaluating Solid Waste, SW-846, 3<sup>rd</sup> Edition*, USEPA, Washington, D.C.

The data validation procedures were consistent with those specified in the NJDEP validation guidelines listed below:

- NJDEP. 2002. *Standard Operating Procedure (SOP) entitled Quality Assurance Data Validation of Analytical Deliverables for Inorganics (based on EPA SW-846 Methods)*, SOP No. 5.A.16. Trenton, New Jersey;
- NJDEP. 2001. *Standard Operating Procedure for the Completion of the Data Validation Report Forms and the Preparation of the Final Data Validation Report*, SOP No. 5.A.15, Trenton, New Jersey;
- NJDEP. 2005. *Standard Operating Procedure for Analytical Data Validation of Hexavalent Chromium*, SOP No. 5.A.10, Revision 2, Trenton, New Jersey; and
- NJDEP. 2001. *Standard Operating Procedure for the Completion of the Hexavalent Chromium Data Validation Report Forms and the Preparation of the Final Data Validation Report*, SOP No. 5.A.09 Trenton, New Jersey.

### Sample Summary Table

The Sample Summary Table provided in Appendix A contains only detected and/or qualified data. Results that were non-detect for an analyte were not included in the table.

### **Validation Footnotes**

Appendix B contains the footnotes used for this project and shall remain consistent throughout the validation. The footnote(s) assigned will not be sequential. Specific footnote(s) used during the validation will be provided in Appendix B.

### **Chain-of-Custody Documentation**

The custody documentation was complete for this SDG.

### **Major Deficiencies**

There were no major deficiencies identified with the data.

### **Minor Deficiencies and Completeness**

Minor deficiencies identified during validation are summarized per analytical method as follows:

#### *Total Chromium by E200.8*

No qualification to the data was made. Data usability is the number of usable (non-rejected) sample results divided by the total number of sample results for each type of analysis times 100. Data usability has been determined to be 100%.

#### *Hexavalent Chromium by SW7199*

All samples were qualified as estimated and assigned footnote H11 or H12 to indicate low post verification spike recovery. Data usability is the number of usable (non-rejected) sample results divided by the total number of sample results for each type of analysis times 100. Data usability has been determined to be 100%.

### **Data Assessment Summary**

Overall, the laboratory performed the analyses in accordance with the requirements set forth in the methods.

### **Data Usability**

Based on the validation of data, it has been determined that 100% of the data are usable as qualified. The analytical data are of sufficient quality to be used for qualitative and quantitative purposes.

## **APPENDIX A**

### **Sample Summary Table**

Honeywell Hudson County

Accutest

Sampling Date 4/26/11

Fraction: Wet Chemistry, Inorganics

SDG: JA74100

NJDEP SRP No.

Matrix: Water

**TARGET AND NON-TARGET ANALYTE SUMMARY**

Fraction	Dilution Factor	Field Sample ID	Laboratory Sample ID	Parameter	Units	Method Blank Result	Lab Concentration & Qualifiers	QA Reported	QA Decision	NJDEP Footnote
SW7199	1	117-FB-042611	JA74100-2	Chromium, Hexavalent	mg/l	0.0014	0.0055U	0.0055UJ	Qualified	H12
E200.8	1	117-MW-A14-042611	JA74100-1	Chromium	ug/l	4.0U	43.7	43.7		
SW7199	1	117-MW-A14-042611	JA74100-1	Chromium, Hexavalent	mg/l	0.0014	0.04	0.040J	Qualified	H11
E200.8	1	117-MW-A14-042611F	JA74100-1F	Chromium	ug/l	4.0U	43.6	43.6		
SW7199	1	117-MW-A14-042611F	JA74100-1F	Chromium, Hexavalent	mg/l	0.0014	0.044	0.044J	Qualified	H11

**APPENDIX B**

**NJDEP Qualifiers**

Reason  
Code

Description

H11

The reported value was qualified because the PVS recovery was less than 85 percent.

H12

The non-detected value was qualified (UJ) because the PVS recovery was less than 85 percent. The possibility of a false negative exists.



**APPENDIX C**

**NJDEP Validation Forms,  
Other Validation Forms.**

DATA DELIVERABLE REQUIREMENTS

Site Name Honeywell Hudson Co. Job Code J474100  
 Location AS Site 1A Date of Review 5.18.11  
 Laboratory Name Accutest Lead Division/Bureau NJDEP  
 Reviewer Christina Jensen Methodology Review E200.8 cr  
 Site/Case Manager Ed Gaven/Maria Kaouris

---

GENERAL REQUIREMENTS: Circle YES or NO and list the deviations at the bottom:

---

- |                            |   |                            |   |
|----------------------------|---|----------------------------|---|
| A. Permanently Bound       | Yes <input checked="" type="radio"/> No <input type="radio"/> | G. Methodology Review      | Yes <input checked="" type="radio"/> No <input type="radio"/> |
| B. Paginated               | Yes <input checked="" type="radio"/> No <input type="radio"/> | H. Uninitialed Strikeovers | Yes <input type="radio"/> No <input checked="" type="radio"/> |
| C. Title Page              | Yes <input checked="" type="radio"/> No <input type="radio"/> | I. Legible Photocopies     | Yes <input checked="" type="radio"/> No <input type="radio"/> |
| D. Table of Contents       | Yes <input checked="" type="radio"/> No <input type="radio"/> | J. Consistent Dates        | Yes <input checked="" type="radio"/> No <input type="radio"/> |
| E. Chain of Custody        | Yes <input checked="" type="radio"/> No <input type="radio"/> | K. Digestion Log           | Yes <input checked="" type="radio"/> No <input type="radio"/> |
| F. Non-conformance Summary | Yes <input checked="" type="radio"/> No <input type="radio"/> |                            |   |
- 

Describe any deviations from the requirements \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

HOLDING TIMES FOR METALS

Matrix: Aqueous (  ) or Nonaqueous (  )

SAMPLE ID FIELD or LAB	DATE of SAMPLE COLLECTIO N	ICP ANALYSIS DATE	MERCURY ANALYSIS DATE	FURNACE ANALYSIS DATE	HOLDING TIME EXCEEDED
1 JA74100-1	4/26/11	5/7/11			mg
2		"			
3		"			
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

COMMENTS

COOLER \_\_\_\_\_ TEMP 4.6°C

PRESERVATION Total HNO3

HANDLING TIME same day

**INSTRUMENT CALIBRATION, INITIAL CALIBRATION CHECK (ICC) and  
INITIAL CALIBRATION VERIFICATION (ICV)**

Part 1 of 2

ASSOCIATED SAMPLES all

1. a. Was the ICP instrument (6010B) properly standardized?  Yes No N/A  
If no, explain and list action. \_\_\_\_\_

b. Was the AA instrument (7000 Methods) properly standardized? Yes No  N/A  
If no, explain and list action. \_\_\_\_\_

c. Was the instrument used for Mercury properly standardized? Yes No  N/A  
If no, explain and list action. \_\_\_\_\_

2. Was the ICV/ICC analyzed immediately after the systems were calibrated?  Yes No  
If no, explain and list action. \_\_\_\_\_

3. Was the ICV/ICC analyzed for every analyte?  Yes No  
If no, explain and list action. \_\_\_\_\_

4. Do all ICV/ICC analytes meet the QC requirements for % recovery?  Yes No  
If no, list affected analytes, their % recovery, associated samples, and action.  
\_\_\_\_\_

5. a. Show calculation for the % recovery of one ICV analyte analyzed by ICP.  
Analyte Cu Lab Value 102

$41.2/40 = 1.$

**INSTRUMENT CALIBRATION, INITIAL CALIBRATION CHECK (ICC) and  
INITIAL CALIBRATION VERIFICATION (ICV)**

**Part 2 of 2**

- b. Show calculation for the % recovery of one ICC analyte analyzed by AA.

Analyte \_\_\_\_\_ *Mu* Lab Value \_\_\_\_\_

- c. Show calculation for the ICV % recovery of Mercury.

*Mu* Lab Value \_\_\_\_\_

6. SPECIFIC COMMENTS \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

CONTINUING CALIBRATION VERIFICATION (CCV) and CALIBRATION CHECK STANDARD (CCS)

ASSOCIATED SAMPLES

all

Part 1 of 2

1. a. Was the CCV/CCS performed at the minimum frequency of 10%?

Yes  No

If no, list action. \_\_\_\_\_

b. Was the CCV/CCS performed after ten samples and at the end of sample analysis?

Yes  No

If no, list action. \_\_\_\_\_

2. Were the CCV/CCS standards analyzed for all analytes?

Yes  No

If no, list affected analytes, their associated samples and action.

\_\_\_\_\_

3. Was the CCV/CCS concentration near the midpoint of the calibration curve?

Yes  No

If no, list affected analytes, their associated samples and action.

\_\_\_\_\_

4. Do all CCV/CCS analytes meet the QC requirement for % recovery?

Yes  No

If no, list affected analytes, their associated samples and action.

\_\_\_\_\_

CONTINUING CALIBRATION VERIFICATION (CCV) and CALIBRATION CHECK STANDARD (CCS)

Part 2 of 2

5. a. Show calculation for the % recovery of one CCV analyte analyzed by ICP.

Analyte Cr

Lab value 94

$$48.4 / 50 = .94$$

- b. Show calculation for the % recovery of one CCS analyte analyzed by AA.

Analyte \_\_\_\_\_

Lab value \_\_\_\_\_

*na*

- c. Show calculation for the % recovery of one CCV analyte for Mercury.

*na*

Lab value \_\_\_\_\_

6. SPECIFIC COMMENTS \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

METHOD BLANK SUMMARY

Method Blank ID WP58073

Sample matrix: Soil ~~Water~~

Units: mg/kg ~~ug/L~~

Did the frequency of the method blank analysis meet method requirements?

Yes  No

If no, explain and note action \_\_\_\_\_

ANALYTE	CONCENTRATION	< MDL	COMMENTS / ACTION
0			

ASSOCIATED SAMPLES all



CALIBRATION BLANKS

ASSOCIATED SAMPLES all

- 1. Were the initial calibration blanks analyzed for all analytes and run after the ICV/ICC?  Yes No  
If no, list affected analytes, and action. \_\_\_\_\_  
\_\_\_\_\_
- 2. Was the absolute value for all analytes in the calibration blank below the MDL?  Yes No  
If no, list affected analytes and qualify them. \_\_\_\_\_  
\_\_\_\_\_
- 3. Were the continuing calibration blanks analyzed for all analytes and run after the CCV/CCS?  Yes No  
If no, list affected analytes, associated samples and action. \_\_\_\_\_  
\_\_\_\_\_
- 4. Was the frequency for the continuing calibration blanks correct?  Yes No  
If no, list affected analytes, associated samples and action. \_\_\_\_\_

200.8  
NA

ICP INTERFERENCE CHECK SAMPLE

ASSOCIATED SAMPLES All

1. Was an ICP interference check sample performed at the correct frequency?

If no, note any deviations and action. \_\_\_\_\_

Yes  No

2. Were the analytes interest and interferents for ICS reported?

If no, note deviations. \_\_\_\_\_

Yes  No

3. Did all the required analytes of interest in the ICS meet the QC limit of 80-120%?

If no, list the analytes, the % recovery, associated samples and the action. \_\_\_\_\_

Yes  No

4. Show the calculation for the % recovery for one analyte in the ICS.

Analyte Cu

Lab value \_\_\_\_\_

5. COMMENTS \_\_\_\_\_

MATRIX SPIKE (MS) and MATRIX SPIKE DUPLICATE (MSD)

Part 1 of 2

Spike Analysis performed on sample JA 74100-1 % Solids NA

Sample matrix: Soil Water  
Units: mg/kg ug/L

ASSOCIATED SAMPLES all

- 1. Was the MS/MSD performed at the correct frequency?  Yes  No  
If no, note deviations and action \_\_\_\_\_
- 2. Was the MS/MSD analyses performed on a field sample?  Yes  No  
If no, reject all associated samples. \_\_\_\_\_
- 3. a. Were two (2) analytical methods used to obtain reported values for one analyte (i.e., ICP and AA) ?  Yes  No  
If yes, list analytes \_\_\_\_\_
- b. Was MS/MSD analysis performed using both methods for that analyte? NA  Yes  No  
If no, reject affected sample(s) which did not have spike analysis performed.

MATRIX SPIKE (MS) and MATRIX SPIKE DUPLICATE (MSD)

Part 2 of 2

4. Did the % recovery for all analytes meet the criteria of 75-125 %?

Yes  No

If no, list % recovery in parenthesis next to the analyte out and action.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

5. Did the Relative Percent Difference (RPD) for all analytes meet the requirement of 20% RPD?

Yes  No  N/A

If no, list analytes and action. \_\_\_\_\_

6. a. Show calculation for % recovery for one analyte.

Analyte Cy

Lab value 101

$$145 - 43.7 / 100 = 6.01$$

b. Show calculation for % RPD for one analyte.

Analyte Cy

Lab value 78

$$\frac{145 - 142}{(145 + 142) / 2} = .9$$



LABORATORY CONTROL SAMPLE (LCS)

Sample matrix: Soil Water  
Units: mg/kg ug/L  
ASSOCIATED SAMPLES all

1. Was the laboratory control sample performed at the correct frequency?  Yes  No  
If no, give action. \_\_\_\_\_

2. Do all analytes meet the QC limits of 80-120 %?  Yes  No  
If no, list analytes, their % recovery and action. \_\_\_\_\_

3. Show the calculation for % recovery for one analyte.  
Analyte W Lab Value 104  
Soil limits NA  
 $104/100 = 1.$

4. Comments: \_\_\_\_\_



*NA*

**METHOD OF STANDARD ADDITION (MSA)**

ASSOCIATED SAMPLES \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

1. If the post digestion spike recovery for Methods 7000A was outside the QC limit, was the MSA performed? Yes No

If no, explain and list action. \_\_\_\_\_  
\_\_\_\_\_

2. Was the MSA within the linear range of the instrument? Yes No

If no, explain and list action. \_\_\_\_\_  
\_\_\_\_\_

3. Was the MSA sample and spikes analyzed consecutively? Yes No

If no, explain and list action. \_\_\_\_\_  
\_\_\_\_\_

4. Was the slope of the MSA plot less than 20% difference of the slope of the standard curve? Yes No

If no, explain and list action. \_\_\_\_\_  
\_\_\_\_\_

5. Comments: \_\_\_\_\_

\_\_\_\_\_



ASSOCIATED SAMPLES all **SAMPLE RESULT VERIFICATION**

1. Were all sample results reported within the calibration range?  Yes No  
If no, list affected samples and action. \_\_\_\_\_

2. Was the raw data free of any anomalies?  Yes No  
If no, list affected samples and action. \_\_\_\_\_

3. Was the data package free of any computational or transcription errors?  Yes No  
If no, list affected samples and action. \_\_\_\_\_

4. Was the % solids analysis performed for all nonaqueous samples? Yes No  N/A  
If no, list affected samples and action. \_\_\_\_\_

5. Show the calculation for % solids for one sample. Lab Value  N/A

6. Verify that nonaqueous samples were reported on a dry weight basis by recalculating the result for one analyte in a sample.  N/A

Sample \_\_\_\_\_ Analyte \_\_\_\_\_ Lab value \_\_\_\_\_

DATA DELIVERABLE REQUIREMENTS  
for  
HEXAVALENT CHROMIUM

SRP No. \_\_\_\_\_  
Site Name Honeywell Hudson County  
Location Edison, NJ  
Laboratory Name Accutest  
Reviewer Christina Jensen  
Date of Review 5.18.11

SDG JA74100  
Site Manager Ed Gaven/Maria Kaouris  
Lead Division/Bureau NJDEP  
Methodology SW3060 7196 7199

GENERAL REQUIREMENTS: Circle YES or NO and list the deviations at the bottom:

- |                            |   |                            |   |
|----------------------------|---|----------------------------|---|
| A. Permanently Bound       | Yes <input type="radio"/> No <input checked="" type="radio"/> | G. Methodology Review      | Yes <input checked="" type="radio"/> No <input type="radio"/> |
| B. Paginated               | Yes <input checked="" type="radio"/> No <input type="radio"/> | H. Uninitialed Strikeovers | Yes <input type="radio"/> No <input checked="" type="radio"/> |
| C. Title Page              | Yes <input checked="" type="radio"/> No <input type="radio"/> | I. Legible Xerox           | Yes <input checked="" type="radio"/> No <input type="radio"/> |
| D. Table of Contents       | Yes <input checked="" type="radio"/> No <input type="radio"/> | J. Consistent Dates        | Yes <input checked="" type="radio"/> No <input type="radio"/> |
| E. Chain of Custody        | Yes <input checked="" type="radio"/> No <input type="radio"/> |                            |   |
| F. Non-conformance Summary | Yes <input checked="" type="radio"/> No <input type="radio"/> |                            |   |

Describe any deviations from the requirements \_\_\_\_\_

HOLDING TIMES

Sample ID Field or Lab	Matrix	Date of Sample Collection	Hex Chrome Analysis Date	Holding Time Exceeded	QA Decision
1) A741001	W	4/26/11	4/26/11	NO	None
2) -1E	↓	"	"	"	"
3) -2	↓	"	"	"	"
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

List any samples that exceeded the holding time, the number of days exceeded by and QA decision.

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INSTRUMENT CALIBRATION CURVE  
and  
CALIBRATION CHECK STANDARD (CCS)

ASSOCIATED SAMPLES

*all*

1. Was the instrument properly standardized?  
If no, explain and list action.

Yes    No

2. Was the CCS analyzed at the proper frequency?  
If no, explain and list action.

Yes    No

3. Was the same CCS concentration used throughout the analysis?  
If no, list action.

Yes    No

4. Does the CCS standard meet the QC requirements of 90-110% recovery ?  
If no, list the % recovery, and action.

Yes    No

5. Show calculation for the % recovery of Hexavalent Chromium in the CCS standard.

Lab value 100

$$.25 / .25 = 1.$$

CALIBRATION BLANKS

ASSOCIATED SAMPLES all

1. Was the calibration blank analyzed before the instrument's initial calibration standards?  
 Yes     No

If no, list action. \_\_\_\_\_  
\_\_\_\_\_

2. Was a calibration blank analyzed after the calibration check standard?  
 Yes     No

If no, list associated samples and action.  
\_\_\_\_\_  
\_\_\_\_\_

3. Was the value of Hexavalent Chromium for the continuing calibration blank below the MDL?  
 Yes     No

If no, list associated samples and qualify them.  
\_\_\_\_\_  
\_\_\_\_\_

PREPARATION/REAGENT BLANK SUMMARY

Preparation/Reagent Blank ID gp58488

Sample matrix: Soil ~~Water~~

Units: mg/kg ~~ug/L~~

Does the frequency of the preparation/reagent blank analysis meet method requirements?

Yes  No

If no, explain and note action \_\_\_\_\_

ANALYTE	CONCENTRATION	< MDL	>IDL	COMMENTS / ACTION
ϕ				

ASSOCIATED SAMPLES

All

AQ - NA

PREDIGESTION SPIKE ANALYSIS

Spike Analysis performed on sample \_\_\_\_\_ Solids \_\_\_\_\_

Sample matrix: Soil

Units: mg/kg

ASSOCIATED SAMPLES \_\_\_\_\_

1. Was the predigestion spike analysis performed at the correct frequency?

Yes No

If no, note deviations and action \_\_\_\_\_

2. Was the predigestion spike analysis performed on a field sample?

Yes No

If no, reject all associated samples. \_\_\_\_\_

3. Was the predigestion spike analysis performed at the proper concentration?

Yes No

If no, qualify the associated samples. \_\_\_\_\_

4. Did the % recovery for hexavalent chromium meet the criteria of 75-125 % ?

Yes No

If no, list action. \_\_\_\_\_

5. Show calculation for predigestion spike recovery of Hexavalent Chromium.

Lab value \_\_\_\_\_

POST VERIFICATION SPIKE ANALYSIS

Post Verification Spike (PVS) performed on sample JA 740981

Sample matrix: Soil Water % Solids \_\_\_\_\_

Units: mg/kg ug/L

ASSOCIATED SAMPLES All

1. Was PVS analysis performed at the correct frequency and proper concentration?  
 Yes  No  
If no, list action. \_\_\_\_\_

2. Was PVS analysis performed on a field sample?  Yes  No  
If no, list action \_\_\_\_\_

3. a. Does the PVS recovery meet the criteria of 85-115%? Yes  No   
If no, list action all SWT, #12 Qual  
LT, #12 Qual

b. If the PVS recovery was less than 85%, did the laboratory reanalyze the sample?  
Yes  No  NA  
If no, list action \_\_\_\_\_

4. Show the calculation for % recovery for PVS.

Lab value \_\_\_\_\_



DUPLICATE ANALYSIS

Duplicate Analysis performed on sample DP7C1018.1 %Solids \_\_\_\_\_

Sample matrix:        Soil        Water

Units:                mg/kg        ug/L

ASSOCIATED SAMPLES     

1. Was the Duplicate analyses performed at the correct frequency?  Yes No  
If no, list action. \_\_\_\_\_

2. Was the duplicate analysis performed on a field sample?  Yes No  
If no, reject all associated samples. \_\_\_\_\_

3. Does the duplicate analysis meet the QC control limits?  Yes No  
If no, qualify the associated samples. \_\_\_\_\_

4. Show the calculation for RPD for Hexavalent Chromium.  
Lab value φ

$\phi / \phi = \phi$

LABORATORY CONTROL SAMPLE

Sample matrix: Soil Water

Units: mg/kg ug/L

ASSOCIATED SAMPLES all

1. Was the laboratory control sample performed at the correct frequency?

Yes No

If no, list action.

2. Does the LCS meet the QC limit of 80-120 %

Yes No

If no, list the % recovery and action.          Range Used         

3. Show the calculation for the LCS % recovery for hexavalent chromium.

Lab Value 103

Range =

$$.0978 / .0951 = 1.03$$

SAMPLE RESULT VERIFICATION

ASSOCIATED SAMPLES all

1. Were all samples reported within the calibration range?  Yes  No  
If no, list affected samples and action. \_\_\_\_\_

2. Was the raw data free of any anomalies?  Yes  No  
If no, list affected samples and action. \_\_\_\_\_

3. Was the data package free of any computational or transcription errors?  Yes  No  
If no, list affected samples and action. \_\_\_\_\_

4. Were both 3060 & 7196A pH readings provided and within method requirements?  
Yes No  N/A  
If no, list affected samples and action. \_\_\_\_\_  
\_\_\_\_\_ 3060A? \_\_\_\_\_

5. Were the hotplate temperatures provided and within method requirements?  
Yes No  N/A  
If no, list affected samples and action. \_\_\_\_\_

6. Show the calculation for % solids for one sample.  N/A  
Lab value \_\_\_\_\_

7. Show the calculation for a nonaqueous sample.  
Lab value \_\_\_\_\_

# SHALLOW GROUNDWATER SUMMARY REPORT

STUDY AREA 5  
SITE 117 - RYERSON STEEL SITE  
JERSEY CITY, NEW JERSEY

VOLUME 2 – FULL LABORATORY ANALYTICAL DATA  
REPORTS (HARD COPY)

*Prepared for:*

**Honeywell**

101 Columbia Road  
Morristown, NJ 07962

*Prepared by:*

**amec** 

AMEC E&I, Inc.  
200 American Metro Boulevard, Suite 113  
Hamilton, New Jersey 08619

**SEPTEMBER 2011**

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4. Groundwater Samples Collected in April 2011 (117-MW-A014)

**Groundwater Samples Collected September 2009 (Site 117 Shallow Wells)**



**Technical Report for**

**Honeywell International Inc.**

**HLANJPR: SA-5 Site 117, Jersey City, NJ**

**PO#3480050136**

**Accutest Job Number: JA27477**

**Sampling Date: 09/09/09**

**Report to:**

**Mactec**

**vhlieu@mactec.com**

**ATTN: Vanthuy Lieu**

**Total number of pages in report: 189**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

*David N. Speis*  
**David N. Speis**  
**VP Ops, Laboratory Director**

**Client Service contact: Marty Vitanza 732-329-0200**

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, PA, RI, SC, TN, VA, WV

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Test results relate only to samples analyzed.



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## Sample Summary

Honeywell International Inc.

Job No: JA27477

HLANJPR: SA-5 Site 117, Jersey City, NJ

Project No: PO#3480050136

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
JA27477-1	09/09/09	09:30 SP	09/09/09	AQ	Ground Water	117-MW-A014-090909
JA27477-1F	09/09/09	09:30 SP	09/09/09	AQ	Groundwater Filtered	117-MW-A014F-090909
JA27477-2	09/09/09	08:06 SP	09/09/09	AQ	Ground Water	117-MW-A89-090909
JA27477-2F	09/09/09	08:06 SP	09/09/09	AQ	Groundwater Filtered	117-MW-A89F-090909
JA27477-3	09/09/09	09:12 SP	09/09/09	AQ	Ground Water	117-MW-A05-090909
JA27477-3D	09/09/09	09:12 SP	09/09/09	AQ	Water Dup/MSD	117-MW-A05MD-090909
JA27477-3F	09/09/09	09:12 SP	09/09/09	AQ	Groundwater Filtered	117-MW-A05F-090909
JA27477-3FD	09/09/09	09:12 SP	09/09/09	AQ	Water Dup/MSD	117-MW-A05MDF-090909
JA27477-3FS	09/09/09	09:12 SP	09/09/09	AQ	Water Matrix Spike	117-MW-A05MSF-090909
JA27477-3S	09/09/09	09:12 SP	09/09/09	AQ	Water Matrix Spike	117-MW-A05MS-090909
JA27477-4	09/09/09	09:19 SP	09/09/09	AQ	Ground Water	117-MW-A05DP-090909
JA27477-4F	09/09/09	09:19 SP	09/09/09	AQ	Groundwater Filtered	117-MW-A05DPF-090909
JA27477-5	09/09/09	08:05 SP	09/09/09	AQ	Ground Water	117-MW-A85-090909



## Sample Summary

(continued)

Honeywell International Inc.

**Job No:** JA27477

HLANJPR: SA-5 Site 117, Jersey City, NJ  
 Project No: PO#3480050136

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
JA27477-5F	09/09/09	08:05 SP	09/09/09	AQ	Groundwater Filtered	117-MW-A85F-090909
JA27477-6	09/09/09	10:50 SP	09/09/09	AQ	Ground Water	117-MW-A062-090909
JA27477-6F	09/09/09	10:50 SP	09/09/09	AQ	Groundwater Filtered	117-MW-A062F-090909
JA27477-7	09/09/09	10:36 SP	09/09/09	AQ	Ground Water	117-MW-A99-090909
JA27477-7F	09/09/09	10:36 SP	09/09/09	AQ	Groundwater Filtered	117-MW-A99F-090909
JA27477-8	09/09/09	11:15 SP	09/09/09	AQ	Field Blank Water	117-MW-FB-090909

## CASE NARRATIVE / CONFORMANCE SUMMARY

**Client:** Honeywell International Inc.

**Job No** JA27477

**Site:** HLANJPR: SA-5 Site 117, Jersey City, NJ

**Report Date** 9/22/2009 11:44:24 AM

On 09/09/2009, 7 Sample(s), 0 Trip Blank(s) and 1 Field Blank(s) were received at Accutest Laboratories at a temperature of 4.7 C. Samples were intact and properly preserved, unless noted below. An Accutest Job Number of JA27477 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

### Metals By Method SW846 6010B

<b>Matrix</b> AQ	<b>Batch ID:</b> MP49677
------------------	--------------------------

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA27477-3FMS, JA27477-3FMSD, JA27477-3MS, JA27477-3MSD, JA27477-3SDL, JA27477-3FSDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Chromium are outside control limits for sample MP49677-SD2. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

### Wet Chemistry By Method SW846 7196A

<b>Matrix</b> AQ	<b>Batch ID:</b> GN30041
------------------	--------------------------

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA27477-3DUP, JA27477-3FDUP, JA27477-3MS, JA27477-3FMS were used as the QC samples for Chromium, Hexavalent.
- GN30041-S2 for Chromium, Hexavalent: Spike recovery indicates possible matrix interference. Good pH adjusted post spike recovery (88%)
- GN30041-S1 for Chromium, Hexavalent: Spike recovery indicates possible matrix interference. Good pH adjusted post spike recovery (96%)

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover



## Sample Results

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## Report of Analysis

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## Report of Analysis

<b>Client Sample ID:</b>	117-MW-A014-090909	<b>Date Sampled:</b>	09/09/09
<b>Lab Sample ID:</b>	JA27477-1	<b>Date Received:</b>	09/09/09
<b>Matrix:</b>	AQ - Ground Water	<b>Percent Solids:</b>	n/a
<b>Project:</b>	HLANJPR: SA-5 Site 117, Jersey City, NJ		

### Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Chromium	41.3	10	ug/l	1	09/18/09	09/20/09 ND	SW846 6010B <sup>1</sup>	SW846 3010A <sup>2</sup>

(1) Instrument QC Batch: MA23143

(2) Prep QC Batch: MP49677

---

RL = Reporting Limit

## Report of Analysis

3.1  
3

<b>Client Sample ID:</b> 117-MW-A014-090909 <b>Lab Sample ID:</b> JA27477-1 <b>Matrix:</b> AQ - Ground Water <b>Project:</b> HLANJPR: SA-5 Site 117, Jersey City, NJ	<b>Date Sampled:</b> 09/09/09 <b>Date Received:</b> 09/09/09 <b>Percent Solids:</b> n/a
---	---

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	0.014	0.010	mg/l	1	09/09/09	MW	SW846 7196A

---

RL = Reporting Limit

## Report of Analysis

32  
3

<b>Client Sample ID:</b> 117-MW-A014F-090909	<b>Date Sampled:</b> 09/09/09
<b>Lab Sample ID:</b> JA27477-1F	<b>Date Received:</b> 09/09/09
<b>Matrix:</b> AQ - Groundwater Filtered	<b>Percent Solids:</b> n/a
<b>Project:</b> HLANJPR: SA-5 Site 117, Jersey City, NJ	

### Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Chromium	17.2	10	ug/l	1	09/18/09	09/20/09 ND	SW846 6010B <sup>1</sup>	SW846 3010A <sup>2</sup>

(1) Instrument QC Batch: MA23143

(2) Prep QC Batch: MP49677

---

RL = Reporting Limit

## Report of Analysis

32  
3

<b>Client Sample ID:</b> 117-MW-A014F-090909	<b>Date Sampled:</b> 09/09/09
<b>Lab Sample ID:</b> JA27477-1F	<b>Date Received:</b> 09/09/09
<b>Matrix:</b> AQ - Groundwater Filtered	<b>Percent Solids:</b> n/a
<b>Project:</b> HLANJPR: SA-5 Site 117, Jersey City, NJ	

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	0.011	0.010	mg/l	1	09/09/09 21:05	MW	SW846 7196A

---

RL = Reporting Limit



## Report of Analysis

<b>Client Sample ID:</b> 117-MW-A89-090909	<b>Date Sampled:</b> 09/09/09
<b>Lab Sample ID:</b> JA27477-2	<b>Date Received:</b> 09/09/09
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Project:</b> HLANJPR: SA-5 Site 117, Jersey City, NJ	

### Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Chromium	176	10	ug/l	1	09/18/09	09/20/09 ND	SW846 6010B <sup>1</sup>	SW846 3010A <sup>2</sup>

(1) Instrument QC Batch: MA23143

(2) Prep QC Batch: MP49677

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RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b> 117-MW-A89-090909	<b>Date Sampled:</b> 09/09/09
<b>Lab Sample ID:</b> JA27477-2	<b>Date Received:</b> 09/09/09
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Project:</b> HLANJPR: SA-5 Site 117, Jersey City, NJ	

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	09/09/09 21:44	MW	SW846 7196A

RL = Reporting Limit

## Report of Analysis

3.4  
3

<b>Client Sample ID:</b> 117-MW-A89F-090909 <b>Lab Sample ID:</b> JA27477-2F <b>Matrix:</b> AQ - Groundwater Filtered <b>Project:</b> HLANJPR: SA-5 Site 117, Jersey City, NJ	<b>Date Sampled:</b> 09/09/09 <b>Date Received:</b> 09/09/09 <b>Percent Solids:</b> n/a
--	---

### Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Chromium	< 10	10	ug/l	1	09/18/09	09/20/09 ND	SW846 6010B <sup>1</sup>	SW846 3010A <sup>2</sup>

(1) Instrument QC Batch: MA23143

(2) Prep QC Batch: MP49677

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RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b>	117-MW-A89F-090909	<b>Date Sampled:</b>	09/09/09
<b>Lab Sample ID:</b>	JA27477-2F	<b>Date Received:</b>	09/09/09
<b>Matrix:</b>	AQ - Groundwater Filtered	<b>Percent Solids:</b>	n/a
<b>Project:</b>	HLANJPR: SA-5 Site 117, Jersey City, NJ		

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	09/09/09 21:05	MW	SW846 7196A

RL = Reporting Limit

## Report of Analysis

3.5  
3

<b>Client Sample ID:</b> 117-MW-A05-090909	<b>Date Sampled:</b> 09/09/09
<b>Lab Sample ID:</b> JA27477-3	<b>Date Received:</b> 09/09/09
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Project:</b> HLANJPR: SA-5 Site 117, Jersey City, NJ	

### Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Chromium	15.5	10	ug/l	1	09/18/09	09/20/09 ND	SW846 6010B <sup>1</sup>	SW846 3010A <sup>2</sup>

(1) Instrument QC Batch: MA23143

(2) Prep QC Batch: MP49677

---

RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b>	117-MW-A05-090909	<b>Date Sampled:</b>	09/09/09
<b>Lab Sample ID:</b>	JA27477-3	<b>Date Received:</b>	09/09/09
<b>Matrix:</b>	AQ - Ground Water	<b>Percent Solids:</b>	n/a
<b>Project:</b>	HLANJPR: SA-5 Site 117, Jersey City, NJ		

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	09/09/09 21:44	MW	SW846 7196A

RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b>	117-MW-A05F-090909	<b>Date Sampled:</b>	09/09/09
<b>Lab Sample ID:</b>	JA27477-3F	<b>Date Received:</b>	09/09/09
<b>Matrix:</b>	AQ - Groundwater Filtered	<b>Percent Solids:</b>	n/a
<b>Project:</b>	HLANJPR: SA-5 Site 117, Jersey City, NJ		

### Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Chromium	< 10	10	ug/l	1	09/18/09	09/20/09 ND	SW846 6010B <sup>1</sup>	SW846 3010A <sup>2</sup>

(1) Instrument QC Batch: MA23143

(2) Prep QC Batch: MP49677

---

RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b>	117-MW-A05F-090909	<b>Date Sampled:</b>	09/09/09
<b>Lab Sample ID:</b>	JA27477-3F	<b>Date Received:</b>	09/09/09
<b>Matrix:</b>	AQ - Groundwater Filtered	<b>Percent Solids:</b>	n/a
<b>Project:</b>	HLANJPR: SA-5 Site 117, Jersey City, NJ		

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	09/09/09 21:05	MW	SW846 7196A

RL = Reporting Limit



## Report of Analysis

<b>Client Sample ID:</b>	117-MW-A05DP-090909		
<b>Lab Sample ID:</b>	JA27477-4	<b>Date Sampled:</b>	09/09/09
<b>Matrix:</b>	AQ - Ground Water	<b>Date Received:</b>	09/09/09
<b>Project:</b>	HLANJPR: SA-5 Site 117, Jersey City, NJ		
		<b>Percent Solids:</b>	n/a

### Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Chromium	16.7	10	ug/l	1	09/18/09	09/20/09 ND	SW846 6010B <sup>1</sup>	SW846 3010A <sup>2</sup>

(1) Instrument QC Batch: MA23143

(2) Prep QC Batch: MP49677

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RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b> 117-MW-A05DP-090909	<b>Date Sampled:</b> 09/09/09
<b>Lab Sample ID:</b> JA27477-4	<b>Date Received:</b> 09/09/09
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Project:</b> HLANJPR: SA-5 Site 117, Jersey City, NJ	

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	09/09/09 21:44	MW	SW846 7196A

RL = Reporting Limit

## Report of Analysis



<b>Client Sample ID:</b>	117-MW-A05DPF-090909	<b>Date Sampled:</b>	09/09/09
<b>Lab Sample ID:</b>	JA27477-4F	<b>Date Received:</b>	09/09/09
<b>Matrix:</b>	AQ - Groundwater Filtered	<b>Percent Solids:</b>	n/a
<b>Project:</b>	HLANJPR: SA-5 Site 117, Jersey City, NJ		

### Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Chromium	< 10	10	ug/l	1	09/18/09	09/20/09 ND	SW846 6010B <sup>1</sup>	SW846 3010A <sup>2</sup>

(1) Instrument QC Batch: MA23143

(2) Prep QC Batch: MP49677

---

RL = Reporting Limit

## Report of Analysis



<b>Client Sample ID:</b>	117-MW-A05DPF-090909	<b>Date Sampled:</b>	09/09/09
<b>Lab Sample ID:</b>	JA27477-4F	<b>Date Received:</b>	09/09/09
<b>Matrix:</b>	AQ - Groundwater Filtered	<b>Percent Solids:</b>	n/a
<b>Project:</b>	HLANJPR: SA-5 Site 117, Jersey City, NJ		

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	09/09/09 21:05	MW	SW846 7196A

RL = Reporting Limit

## Report of Analysis

3.9  
3

<b>Client Sample ID:</b> 117-MW-A85-090909	<b>Date Sampled:</b> 09/09/09
<b>Lab Sample ID:</b> JA27477-5	<b>Date Received:</b> 09/09/09
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Project:</b> HLANJPR: SA-5 Site 117, Jersey City, NJ	

### Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Chromium	186	10	ug/l	1	09/18/09	09/20/09 ND	SW846 6010B <sup>1</sup>	SW846 3010A <sup>2</sup>

(1) Instrument QC Batch: MA23143

(2) Prep QC Batch: MP49677

---

RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b>	117-MW-A85-090909	<b>Date Sampled:</b>	09/09/09
<b>Lab Sample ID:</b>	JA27477-5	<b>Date Received:</b>	09/09/09
<b>Matrix:</b>	AQ - Ground Water	<b>Percent Solids:</b>	n/a
<b>Project:</b>	HLANJPR: SA-5 Site 117, Jersey City, NJ		

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	09/09/09 21:44	MW	SW846 7196A

RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b> 117-MW-A85F-090909	<b>Date Sampled:</b> 09/09/09
<b>Lab Sample ID:</b> JA27477-5F	<b>Date Received:</b> 09/09/09
<b>Matrix:</b> AQ - Groundwater Filtered	<b>Percent Solids:</b> n/a
<b>Project:</b> HLANJPR: SA-5 Site 117, Jersey City, NJ	

### Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Chromium	111	10	ug/l	1	09/18/09	09/20/09 ND	SW846 6010B <sup>1</sup>	SW846 3010A <sup>2</sup>

(1) Instrument QC Batch: MA23143

(2) Prep QC Batch: MP49677

---

RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b>	117-MW-A85F-090909	<b>Date Sampled:</b>	09/09/09
<b>Lab Sample ID:</b>	JA27477-5F	<b>Date Received:</b>	09/09/09
<b>Matrix:</b>	AQ - Groundwater Filtered	<b>Percent Solids:</b>	n/a
<b>Project:</b>	HLANJPR: SA-5 Site 117, Jersey City, NJ		

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	09/09/09 21:05	MW	SW846 7196A

RL = Reporting Limit



## Report of Analysis

<b>Client Sample ID:</b>	117-MW-A062-090909	<b>Date Sampled:</b>	09/09/09
<b>Lab Sample ID:</b>	JA27477-6	<b>Date Received:</b>	09/09/09
<b>Matrix:</b>	AQ - Ground Water	<b>Percent Solids:</b>	n/a
<b>Project:</b>	HLANJPR: SA-5 Site 117, Jersey City, NJ		

### Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Chromium	36.5	10	ug/l	1	09/18/09	09/20/09 ND	SW846 6010B <sup>1</sup>	SW846 3010A <sup>2</sup>

(1) Instrument QC Batch: MA23143

(2) Prep QC Batch: MP49677

RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b>	117-MW-A062-090909	<b>Date Sampled:</b>	09/09/09
<b>Lab Sample ID:</b>	JA27477-6	<b>Date Received:</b>	09/09/09
<b>Matrix:</b>	AQ - Ground Water	<b>Percent Solids:</b>	n/a
<b>Project:</b>	HLANJPR: SA-5 Site 117, Jersey City, NJ		

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	09/09/09 21:44	MW	SW846 7196A

RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b> 117-MW-A062F-090909	<b>Date Sampled:</b> 09/09/09
<b>Lab Sample ID:</b> JA27477-6F	<b>Date Received:</b> 09/09/09
<b>Matrix:</b> AQ - Groundwater Filtered	<b>Percent Solids:</b> n/a
<b>Project:</b> HLANJPR: SA-5 Site 117, Jersey City, NJ	

### Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Chromium	< 10	10	ug/l	1	09/18/09	09/20/09 ND	SW846 6010B <sup>1</sup>	SW846 3010A <sup>2</sup>

(1) Instrument QC Batch: MA23143

(2) Prep QC Batch: MP49677

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RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b>	117-MW-A062F-090909	<b>Date Sampled:</b>	09/09/09
<b>Lab Sample ID:</b>	JA27477-6F	<b>Date Received:</b>	09/09/09
<b>Matrix:</b>	AQ - Groundwater Filtered	<b>Percent Solids:</b>	n/a
<b>Project:</b>	HLANJPR: SA-5 Site 117, Jersey City, NJ		

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	09/09/09 21:05	MW	SW846 7196A

RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b>	117-MW-A99-090909		
<b>Lab Sample ID:</b>	JA27477-7	<b>Date Sampled:</b>	09/09/09
<b>Matrix:</b>	AQ - Ground Water	<b>Date Received:</b>	09/09/09
<b>Project:</b>	HLANJPR: SA-5 Site 117, Jersey City, NJ		
		<b>Percent Solids:</b>	n/a

### Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Chromium	42.6	10	ug/l	1	09/18/09	09/20/09 ND	SW846 6010B <sup>1</sup>	SW846 3010A <sup>2</sup>

(1) Instrument QC Batch: MA23143

(2) Prep QC Batch: MP49677

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RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b>	117-MW-A99-090909	<b>Date Sampled:</b>	09/09/09
<b>Lab Sample ID:</b>	JA27477-7	<b>Date Received:</b>	09/09/09
<b>Matrix:</b>	AQ - Ground Water	<b>Percent Solids:</b>	n/a
<b>Project:</b>	HLANJPR: SA-5 Site 117, Jersey City, NJ		

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	09/09/09 21:44	MW	SW846 7196A

RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b>	117-MW-A99F-090909	<b>Date Sampled:</b>	09/09/09
<b>Lab Sample ID:</b>	JA27477-7F	<b>Date Received:</b>	09/09/09
<b>Matrix:</b>	AQ - Groundwater Filtered	<b>Percent Solids:</b>	n/a
<b>Project:</b>	HLANJPR: SA-5 Site 117, Jersey City, NJ		

### Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Chromium	< 10	10	ug/l	1	09/18/09	09/20/09 ND	SW846 6010B <sup>1</sup>	SW846 3010A <sup>2</sup>

(1) Instrument QC Batch: MA23143

(2) Prep QC Batch: MP49677

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RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b>	117-MW-A99F-090909	<b>Date Sampled:</b>	09/09/09
<b>Lab Sample ID:</b>	JA27477-7F	<b>Date Received:</b>	09/09/09
<b>Matrix:</b>	AQ - Groundwater Filtered	<b>Percent Solids:</b>	n/a
<b>Project:</b>	HLANJPR: SA-5 Site 117, Jersey City, NJ		

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.050	0.050	mg/l	5	09/09/09 21:10	MW	SW846 7196A

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RL = Reporting Limit



## Report of Analysis

<b>Client Sample ID:</b>	117-MW-FB-090909	<b>Date Sampled:</b>	09/09/09
<b>Lab Sample ID:</b>	JA27477-8	<b>Date Received:</b>	09/09/09
<b>Matrix:</b>	AQ - Field Blank Water	<b>Percent Solids:</b>	n/a
<b>Project:</b>	HLANJPR: SA-5 Site 117, Jersey City, NJ		

### Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Chromium	< 10	10	ug/l	1	09/18/09	09/20/09 ND	SW846 6010B <sup>1</sup>	SW846 3010A <sup>2</sup>

(1) Instrument QC Batch: MA23143

(2) Prep QC Batch: MP49677

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RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b>	117-MW-FB-090909	<b>Date Sampled:</b>	09/09/09
<b>Lab Sample ID:</b>	JA27477-8	<b>Date Received:</b>	09/09/09
<b>Matrix:</b>	AQ - Field Blank Water	<b>Percent Solids:</b>	n/a
<b>Project:</b>	HLANJPR: SA-5 Site 117, Jersey City, NJ		

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	09/09/09 21:44	MW	SW846 7196A

RL = Reporting Limit



## Misc. Forms

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### Custody Documents and Other Forms

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Includes the following where applicable:


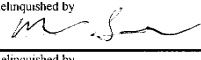
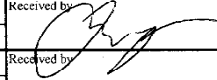
- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

FEI

<b>ACCUTEST</b> Fresh Ponds Corporate Village, Building B 2235 Route 130, Dayton, New Jersey 08810 732-329-0200 Phone, 732-329-3499 Fax		<b>Honeywell</b> Chain Of Custody / Analysis Request					JA27477					AESI Ref: 38439.43925 COC #: 37287-091009			
Client Contact: (name, co., address) Andrew Shust - MACTEC Engineering and Consulting, Inc 200 American Metro Blvd., Suite 113 Hamilton, NJ 08619 ashust@mactec.com		Privileged & Confidential: Y		Site Name: HUDSONCO			Location of Site: SA-5 Home Depot, Site 117, Jersey City, NJ					Lab Use Only Lab Prep # Lab ID: ACTD			
EDD To: Agabust (MACTEC)		Sampler: Senna/Petrino			Preservative: 0 0 0 2							PAGE 1 of 2 Job No.			
Analysis Turnaround Time: Standard - Y Rush Charges Authorized for - 2 weeks - 1 week - Next Day -		P O #: 3480050136			Field Filtered Sample * Dissolved CHROMIUM VI (7196A) Dissolved Total Chromium 300.7 EPA 196 Hexavalent Chromium EPA 300.7 Total Chromium							What is in the Text File? Mouse over here.			
Handcopy Report To: See above		Invoice To: Maria Kaouris - Honeywell PM 101 Columbia Rd, Morristown, NJ 07962			Written and maintained by AESI (Ver 3.7)										
<b>Sample Identification</b>												Lab Sample Numbers			
Location ID	Start Depth (ft)	End Depth (ft)	Field Sample ID	Sample Date	Sample Time	Sample Type	Sample Matrix	Sample Purpose	# of Cont.	Units	ug/L	ug/L	ug/L	ug/L	
1	117-MW-A014	-1	117-MW-A014-050909	9/9/2009	930	GW	Water	REG	2	grab	N		X	X	
2	117-MW-A014	-1F	117-MW-A014F-050909	9/9/2009	930	GW	Water	REG	2	grab	N	X	X		
3	117-MW-A89	-2	117-MW-A89-090909	9/9/2009	806	GW	Water	REG	2	grab	N		X	X	
4	117-MW-A89	-2F	117-MW-A89F-090909	9/9/2009	806	GW	Water	REG	2	grab	N	X	X		
5	117-MW-A05	-3	117-MW-A05-090909	9/9/2009	912	GW	Water	REG	2	grab	N		X	X	
6	117-MW-A05	-3F	117-MW-A05F-090909	9/9/2009	912	GW	Water	REG	2	grab	N	X	X		
7	117-MW-A05	-4	117-MW-A05DP-090909	9/9/2009	919	GW	Water	FD	2	grab	N		X	X	
8	117-MW-A05	-4F	117-MW-A05DPF-090909	9/9/2009	919	GW	Water	FD	2	grab	N	X	X		
9	117-MW-A05	-3	117-MW-A05MS-090909	9/9/2009	912	GW	Water	MS	2	grab	N		X	X	
10	117-MW-A05	-3F	117-MW-A05MSF-090909	9/9/2009	912	GW	Water	MS	2	grab	N	X	X		
11	117-MW-A05	-3	117-MW-A05MD-090909	9/9/2009	912	GW	Water	MSD	2	grab	N		X	X	
12	117-MW-A05	-3F	117-MW-A05MDF-090909	9/9/2009	912	GW	Water	MSD	2	grab	N	X	X		
Lab filter dissolved chromium/chromium VI														<b>ALL SAMPLES RELAYED TO RESOURCES LAB AND STORED</b>	
Relinquished by: <i>ms</i>		Company: MACTEC		Received by: <i>[Signature]</i>		Date/Time: 9/9/09 16:00		Company:		Condition:		Cooler Temp:		Custody Seals Intact:	
Relinquished by:		Company:		Received by:		Date/Time:		Company:		Condition:		Cooler Temp:		Custody Seals Intact:	
Preservatives: 0 = None; [1 = HCL]; [2 = HNO3]; [3 = H2SO4]; [4 = NaOH]; [5 = Zn. Acetate]; [6 = MeOH]; [7 = NaHSO4]; 8 = Other (specify):														4.7°C	

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ME44  
ME32

<b>ACCUTEST</b> gw FB Fresh Ponds Corporate Village, Building B 2235 Route 130, Dayton, New Jersey 08810 732-329-0200 Phone, 732-329-3499 Fax		<b>Honeywell Chain Of Custody / Analysis Request</b>										AESI Ref: 38439.43925 COC #: 37287-091009 Lab Use Only Lab Proj #: ACTD Lab ID: ACTD				
Client Contact: (name, co., address) Andrew Shust - MACTEC Engineering and Consulting, Inc 300 American Metro Blvd., Suite 113 Hamilton, NJ 08619 agshust@mactec.com		Privileged & Confidential <input type="checkbox"/> Y		Site Name: HUDSONCO		Location of Site: SA-5 Home Depot, Site 117, Jersey City, NJ						PAGE 2 of 2 Job No.				
Hardcopy Report To: See above		EDD To: Agshust (MACTEC)		Sampler: Senna/Petrino		Preservative 0 0 0 2						What is in the Text File? Mouse over here.				
Invoice To: Maria Kaouris - Honeywell PM 101 Columbia Rd, Morristown, NJ 07962		P O #: 3480050136		Analysis Turnaround Time: Standard - Y Rush Charges Authorized for - 2 weeks - 1 week - Next Day -		Field Filtered Sample? Dissolved CHROMIUM VI (7196A) Dissolved Total Chromium 200.7 EPA 7196 Hexavalent Chromium EPA 200.7 Total Chromium						Written and maintained by AESI (Ver 3.7) 02.01.05 				
Sample Identification				Sample Date	Sample Time	Sample Type	Sample Matrix	Sample Purpose	# of Cont.	Units	ug/L	ug/L	ug/L	ug/L	Lab Sample Numbers	
Location ID	Start Depth (ft)	End Depth (ft)	Field Sample ID													
1	117-MW-A85	-5	117-MW-A85-090509	9/9/2009	805	GW	Water	REG	2	grab	N			X	X	
2	117-MW-A85	-5F	117-MW-A85-090709	9/9/2009	805	GW	Water	REG	2	grab	N	X	X			
3	117-MW-A062	-6	117-MW-A062-090909	9/9/2009	1050	GW	Water	REG	2	grab	N			X	X	
4	117-MW-A062	-6F	117-MW-A062F-090909	9/9/2009	1050	GW	Water	REG	2	grab	N	X	X			
5	117-MW-A099	-7	117-MW-A099-090909	9/9/2009	1036	GW	Water	REG	2	grab	N			X	X	
6	117-MW-A099	-7F	117-MW-A099F-090909	9/9/2009	1036	GW	Water	REG	2	grab	N	X	X			
7	117-QC	-8	117-MW-FB-090909	9/9/2009	1115	BIKWater	Water	FB	2	grab	N			X	X	
8																
9																
10																
11																
12																
Lab filter dissolved chromium/chromium VI																
Relinquished by		Company		MACTEC		Received by		9/9/09		Company		Condition		Custody Seals Intact		
		Date/Time		9/9/09 1000				Date/Time		10:00		Cooler Temp.				
Relinquished by		Company				Received by				Company		Condition		Custody Seals Intact		
		Date/Time						Date/Time				Cooler Temp.				
Preservatives: 0 = None; [1 = HCL]; [2 = HNO3]; [3 = H2SO4]; [4 = NaOH]; [5 = Zn. Acetate]; [6 = MeOH]; [7 = NaHSO4]; 8 = Other (specify):																

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# Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JA27477

Client:

Immediate Client Services Action Required: No

Date / Time Received: 9/9/2009

Delivery Method:

Client Service Action Required at Login: No

Project:

No. Coolers: 1

Airbill #'s:

<u>Cooler Security</u>	<u>Y</u>	<u>or</u>	<u>N</u>		<u>Y</u>	<u>or</u>	<u>N</u>
1. Custody Seals Present:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	3. COC Present:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. Custody Seals Intact:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	4. SmpI Dates/Time OK	<input checked="" type="checkbox"/>		<input type="checkbox"/>

<u>Cooler Temperature</u>	<u>Y</u>	<u>or</u>	<u>N</u>
1. Temp criteria achieved:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. Cooler temp verification:			Infrared gun
3. Cooler media:			Ice (bag)

<u>Quality Control Preservatio</u>	<u>Y</u>	<u>or</u>	<u>N</u>	<u>N/A</u>
1. Trip Blank present / cooler:	<input type="checkbox"/>		<input type="checkbox"/>	
2. Trip Blank listed on COC:	<input type="checkbox"/>		<input type="checkbox"/>	
3. Samples preserved property:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
4. VOCs headspace free:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

<u>Sample Integrity - Documentation</u>	<u>Y</u>	<u>or</u>	<u>N</u>
1. Sample labels present on bottles:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. Container labeling complete:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
3. Sample container label / COC agree:	<input checked="" type="checkbox"/>		<input type="checkbox"/>

<u>Sample Integrity - Condition</u>	<u>Y</u>	<u>or</u>	<u>N</u>
1. Sample recvd within HT:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. All containers accounted for:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
3. Condition of sample:			Intact

<u>Sample Integrity - Instructions</u>	<u>Y</u>	<u>or</u>	<u>N</u>	<u>N/A</u>
1. Analysis requested is clear:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
2. Bottles received for unspecified tests	<input type="checkbox"/>		<input checked="" type="checkbox"/>	
3. Sufficient volume recvd for analysis:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
4. Compositing instructions clear:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. Filtering instructions clear:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Comments

Accutest Laboratories  
V: 732.329.0200

2235 US Highway 130  
F: 732.329.3499

Dayton, New Jersey  
www.accutest.com

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### Internal Sample Tracking Chronicle

Honeywell International Inc.

Job No: JA27477

HLANJPR: SA-5 Site 117, Jersey City, NJ  
 Project No: PO#3480050136

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Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JA27477-1 Collected: 09-SEP-09 09:30 By: SP Received: 09-SEP-09 By: 117-MW-A014-090909						
JA27477-1	SW846 7196A	09-SEP-09	MW			XCR
JA27477-1	SW846 6010B	20-SEP-09 02:54	ND	18-SEP-09	DP	CR
JA27477-2 Collected: 09-SEP-09 08:06 By: SP Received: 09-SEP-09 By: 117-MW-A89-090909						
JA27477-2	SW846 7196A	09-SEP-09 21:44	MW			XCR
JA27477-2	SW846 6010B	20-SEP-09 03:00	ND	18-SEP-09	DP	CR
JA27477-3 Collected: 09-SEP-09 09:12 By: SP Received: 09-SEP-09 By: 117-MW-A05-090909						
JA27477-3	SW846 7196A	09-SEP-09 21:44	MW			XCR
JA27477-3	SW846 6010B	20-SEP-09 03:07	ND	18-SEP-09	DP	CR
JA27477-4 Collected: 09-SEP-09 09:19 By: SP Received: 09-SEP-09 By: 117-MW-A05DP-090909						
JA27477-4	SW846 7196A	09-SEP-09 21:44	MW			XCR
JA27477-4	SW846 6010B	20-SEP-09 03:25	ND	18-SEP-09	DP	CR
JA27477-5 Collected: 09-SEP-09 08:05 By: SP Received: 09-SEP-09 By: 117-MW-A85-090909						
JA27477-5	SW846 7196A	09-SEP-09 21:44	MW			XCR
JA27477-5	SW846 6010B	20-SEP-09 03:31	ND	18-SEP-09	DP	CR
JA27477-6 Collected: 09-SEP-09 10:50 By: SP Received: 09-SEP-09 By: 117-MW-A062-090909						
JA27477-6	SW846 7196A	09-SEP-09 21:44	MW			XCR
JA27477-6	SW846 6010B	20-SEP-09 03:37	ND	18-SEP-09	DP	CR
JA27477-7 Collected: 09-SEP-09 10:36 By: SP Received: 09-SEP-09 By: 117-MW-A99-090909						
JA27477-7	SW846 7196A	09-SEP-09 21:44	MW			XCR

### Internal Sample Tracking Chronicle

Honeywell International Inc.

Job No: JA27477

HLANJPR: SA-5 Site 117, Jersey City, NJ  
 Project No: PO#3480050136

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JA27477-7	SW846 6010B	20-SEP-09 03:44	ND	18-SEP-09	DP	CR
JA27477-8 Collected: 09-SEP-09 11:15 By: SP Received: 09-SEP-09 By: 117-MW-FB-090909						
JA27477-8	SW846 7196A	09-SEP-09 21:44	MW			XCR
JA27477-8	SW846 6010B	20-SEP-09 03:50	ND	18-SEP-09	DP	CR
JA27477-1F Collected: 09-SEP-09 09:30 By: SP Received: 09-SEP-09 By: 117-MW-A014F-090909						
JA27477-1F	SW846 7196A	09-SEP-09 21:05	MW			XCR
JA27477-1F	SW846 6010B	20-SEP-09 03:56	ND	18-SEP-09	DP	CR
JA27477-2F Collected: 09-SEP-09 08:06 By: SP Received: 09-SEP-09 By: 117-MW-A89F-090909						
JA27477-2F	SW846 7196A	09-SEP-09 21:05	MW			XCR
JA27477-2F	SW846 6010B	20-SEP-09 04:02	ND	18-SEP-09	DP	CR
JA27477-3F Collected: 09-SEP-09 09:12 By: SP Received: 09-SEP-09 By: 117-MW-A05F-090909						
JA27477-3F	SW846 7196A	09-SEP-09 21:05	MW			XCR
JA27477-3F	SW846 6010B	20-SEP-09 02:24	ND	18-SEP-09	DP	CR
JA27477-4F Collected: 09-SEP-09 09:19 By: SP Received: 09-SEP-09 By: 117-MW-A05DPF-090909						
JA27477-4F	SW846 7196A	09-SEP-09 21:05	MW			XCR
JA27477-4F	SW846 6010B	20-SEP-09 04:08	ND	18-SEP-09	DP	CR
JA27477-5F Collected: 09-SEP-09 08:05 By: SP Received: 09-SEP-09 By: 117-MW-A85F-090909						
JA27477-5F	SW846 7196A	09-SEP-09 21:05	MW			XCR
JA27477-5F	SW846 6010B	20-SEP-09 04:14	ND	18-SEP-09	DP	CR



### Internal Sample Tracking Chronicle

Honeywell International Inc.

Job No: JA27477

HLANJPR: SA-5 Site 117, Jersey City, NJ

Project No: PO#3480050136

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
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JA27477-6F Collected: 09-SEP-09 10:50 By: SP Received: 09-SEP-09 By:  
117-MW-A062F-090909

JA27477-6F SW846 7196A	09-SEP-09 21:05	MW				XCR
JA27477-6F SW846 6010B	20-SEP-09 04:21	ND	18-SEP-09	DP		CR

JA27477-7F Collected: 09-SEP-09 10:36 By: SP Received: 09-SEP-09 By:  
117-MW-A99F-090909

JA27477-7F SW846 7196A	09-SEP-09 21:10	MW				XCR
JA27477-7F SW846 6010B	20-SEP-09 04:45	ND	18-SEP-09	DP		CR

# Accutest Internal Chain of Custody

**Job Number:** JA27477  
**Account:** HWINJM Honeywell International Inc.  
**Project:** HLANJPR: SA-5 Site 117, Jersey City, NJ  
**Received:** 09/09/09

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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA27477-1.1	Secured Storage	John Thomas	09/09/09 19:41	Retrieve from Storage
JA27477-1.1	John Thomas	Millicent Walker	09/09/09 19:43	Custody Transfer
JA27477-1.1	Shirley Grzybowski	Secured Storage	09/10/09 07:03	Return to Storage
Analyst unavailable for custody transfer.				
JA27477-1.1	Secured Storage	Todd Shoemaker	09/10/09 09:01	Retrieve from Storage
JA27477-1.1	Todd Shoemaker	Rinku Patel	09/10/09 09:02	Custody Transfer
JA27477-1.1	Rinku Patel	Secured Storage	09/10/09 11:39	Return to Storage
JA27477-1.1	Secured Storage	Adam Scott	09/18/09 08:13	Retrieve from Storage
JA27477-1.1	Adam Scott	Rinku Patel	09/18/09 08:15	Custody Transfer
JA27477-1.1	Rinku Patel	Secured Storage	09/18/09 15:33	Return to Storage
JA27477-1.1	Dave Hunkele		10/12/09 05:25	Disposed
JA27477-1.1.1	Rinku Patel	Metals Digestion	09/18/09 15:10	Digestate from JA27477-1.1
JA27477-1.1.1	Metals Digestion	Darshananben Patel	09/18/09 15:15	Digestate from JA27477-1.1
JA27477-1.1.1	Darshananben Patel	Metals Digestate Storage	09/18/09 15:16	Return to Storage
JA27477-1.3	Secured Storage	John Thomas	09/09/09 20:11	Retrieve from Storage
JA27477-1.3	John Thomas	Millicent Walker	09/09/09 20:12	Custody Transfer
JA27477-1.3	Shirley Grzybowski	Secured Storage	09/10/09 07:03	Return to Storage
Analyst unavailable for custody transfer.				
JA27477-1.3	Dave Hunkele		10/12/09 05:25	Disposed
JA27477-1F.2	Secured Storage	John Thomas	09/09/09 19:41	Retrieve from Storage
JA27477-1F.2	John Thomas	Millicent Walker	09/09/09 19:43	Custody Transfer
JA27477-1F.2	Shirley Grzybowski	Secured Storage	09/10/09 07:03	Return to Storage
Analyst unavailable for custody transfer.				
JA27477-1F.2	Secured Storage	Beatrice Marcelino	09/10/09 13:53	Retrieve from Storage
JA27477-1F.2	Beatrice Marcelino	Secured Storage	09/10/09 16:32	Return to Storage
JA27477-1F.2	Secured Storage	Adam Scott	09/18/09 08:13	Retrieve from Storage
JA27477-1F.2	Adam Scott	Rinku Patel	09/18/09 08:15	Custody Transfer
JA27477-1F.2	Rinku Patel	Secured Storage	09/18/09 15:33	Return to Storage
JA27477-1F.2	Dave Hunkele		10/12/09 05:25	Disposed
JA27477-1F.2.1	Rinku Patel	Metals Digestion	09/18/09 15:10	Digestate from JA27477-1F.2
JA27477-1F.2.1	Metals Digestion	Darshananben Patel	09/18/09 15:15	Digestate from JA27477-1F.2
JA27477-1F.2.1	Darshananben Patel	Metals Digestate Storage	09/18/09 15:16	Return to Storage
JA27477-1F.4	Secured Storage	John Thomas	09/09/09 20:11	Retrieve from Storage
JA27477-1F.4	John Thomas	Millicent Walker	09/09/09 20:12	Custody Transfer
JA27477-1F.4	Shirley Grzybowski	Secured Storage	09/10/09 07:03	Return to Storage
Analyst unavailable for custody transfer.				
JA27477-1F.4	Dave Hunkele		10/12/09 05:25	Disposed
JA27477-2.1	Secured Storage	John Thomas	09/09/09 19:41	Retrieve from Storage

# Accutest Internal Chain of Custody

**Job Number:** JA27477  
**Account:** HWINJM Honeywell International Inc.  
**Project:** HLANJPR: SA-5 Site 117, Jersey City, NJ  
**Received:** 09/09/09

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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA27477-2.1	John Thomas	Millicent Walker	09/09/09 19:43	Custody Transfer
JA27477-2.1	Shirley Grzybowski	Secured Storage	09/10/09 07:03	Return to Storage
Analyst unavailable for custody transfer.				
JA27477-2.1	Secured Storage	Todd Shoemaker	09/10/09 09:01	Retrieve from Storage
JA27477-2.1	Todd Shoemaker	Rinku Patel	09/10/09 09:02	Custody Transfer
JA27477-2.1	Rinku Patel	Secured Storage	09/10/09 11:39	Return to Storage
JA27477-2.1	Secured Storage	Adam Scott	09/18/09 08:13	Retrieve from Storage
JA27477-2.1	Adam Scott	Rinku Patel	09/18/09 08:15	Custody Transfer
JA27477-2.1	Rinku Patel	Secured Storage	09/18/09 15:33	Return to Storage
JA27477-2.1	Dave Hunkele		10/12/09 05:25	Disposed
JA27477-2.1.1	Rinku Patel	Metals Digestion	09/18/09 15:10	Digestate from JA27477-2.1
JA27477-2.1.1	Metals Digestion	Darshananben Patel	09/18/09 15:15	Digestate from JA27477-2.1
JA27477-2.1.1	Darshananben Patel	Metals Digestate Storage	09/18/09 15:16	Return to Storage
JA27477-2.3	Secured Storage	John Thomas	09/09/09 20:11	Retrieve from Storage
JA27477-2.3	John Thomas	Millicent Walker	09/09/09 20:12	Custody Transfer
JA27477-2.3	Shirley Grzybowski	Secured Storage	09/10/09 07:03	Return to Storage
Analyst unavailable for custody transfer.				
JA27477-2.3	Dave Hunkele		10/12/09 05:25	Disposed
JA27477-2F.2	Secured Storage	John Thomas	09/09/09 19:41	Retrieve from Storage
JA27477-2F.2	John Thomas	Millicent Walker	09/09/09 19:43	Custody Transfer
JA27477-2F.2	Shirley Grzybowski	Secured Storage	09/10/09 07:03	Return to Storage
Analyst unavailable for custody transfer.				
JA27477-2F.2	Secured Storage	Beatrice Marcelino	09/10/09 13:53	Retrieve from Storage
JA27477-2F.2	Beatrice Marcelino	Secured Storage	09/10/09 16:32	Return to Storage
JA27477-2F.2	Secured Storage	Adam Scott	09/18/09 08:13	Retrieve from Storage
JA27477-2F.2	Adam Scott	Rinku Patel	09/18/09 08:15	Custody Transfer
JA27477-2F.2	Rinku Patel	Secured Storage	09/18/09 15:33	Return to Storage
JA27477-2F.2	Dave Hunkele		10/12/09 05:25	Disposed
JA27477-2F.2.1	Rinku Patel	Metals Digestion	09/18/09 15:10	Digestate from JA27477-2F.2
JA27477-2F.2.1	Metals Digestion	Darshananben Patel	09/18/09 15:15	Digestate from JA27477-2F.2
JA27477-2F.2.1	Darshananben Patel	Metals Digestate Storage	09/18/09 15:16	Return to Storage
JA27477-2F.4	Secured Storage	John Thomas	09/09/09 20:11	Retrieve from Storage
JA27477-2F.4	John Thomas	Millicent Walker	09/09/09 20:12	Custody Transfer
JA27477-2F.4	Shirley Grzybowski	Secured Storage	09/10/09 07:03	Return to Storage
Analyst unavailable for custody transfer.				
JA27477-2F.4	Dave Hunkele		10/12/09 05:25	Disposed
JA27477-3.1	Secured Storage	Todd Shoemaker	09/10/09 09:01	Retrieve from Storage
JA27477-3.1	Todd Shoemaker	Rinku Patel	09/10/09 09:02	Custody Transfer

# Accutest Internal Chain of Custody

**Job Number:** JA27477  
**Account:** HWINJM Honeywell International Inc.  
**Project:** HLANJPR: SA-5 Site 117, Jersey City, NJ  
**Received:** 09/09/09

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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA27477-3.1	Rinku Patel	Secured Storage	09/10/09 11:39	Return to Storage
JA27477-3.1	Secured Storage	Adam Scott	09/18/09 08:13	Retrieve from Storage
JA27477-3.1	Adam Scott	Rinku Patel	09/18/09 08:15	Custody Transfer
JA27477-3.1	Rinku Patel	Secured Storage	09/18/09 15:33	Return to Storage
JA27477-3.1	Dave Hunkele		10/12/09 05:25	Disposed
JA27477-3.1.1	Rinku Patel	Metals Digestion	09/18/09 15:10	Digestate from JA27477-3.1
JA27477-3.1.1	Metals Digestion	Darshananben Patel	09/18/09 15:15	Digestate from JA27477-3.1
JA27477-3.1.1	Darshananben Patel	Metals Digestate Storage	09/18/09 15:16	Return to Storage
JA27477-3.2	Secured Storage	John Thomas	09/09/09 19:41	Retrieve from Storage
JA27477-3.2	John Thomas	Millicent Walker	09/09/09 19:43	Custody Transfer
JA27477-3.2	Shirley Grzybowski	Secured Storage	09/10/09 07:03	Return to Storage
Analyst unavailable for custody transfer.				
JA27477-3.2	Secured Storage	Todd Shoemaker	09/10/09 09:01	Retrieve from Storage
JA27477-3.2	Todd Shoemaker	Rinku Patel	09/10/09 09:02	Custody Transfer
JA27477-3.2	Rinku Patel	Secured Storage	09/10/09 11:39	Return to Storage
JA27477-3.2	Secured Storage	Adam Scott	09/18/09 08:13	Retrieve from Storage
JA27477-3.2	Adam Scott	Rinku Patel	09/18/09 08:15	Custody Transfer
JA27477-3.2	Rinku Patel	Secured Storage	09/18/09 15:33	Return to Storage
JA27477-3.2	Dave Hunkele		10/12/09 05:25	Disposed
JA27477-3.3	Secured Storage	Adam Scott	09/18/09 08:13	Retrieve from Storage
JA27477-3.3	Adam Scott	Rinku Patel	09/18/09 08:15	Custody Transfer
JA27477-3.3	Rinku Patel	Secured Storage	09/18/09 15:33	Return to Storage
JA27477-3.3	Dave Hunkele		10/12/09 05:25	Disposed
JA27477-3.8	Secured Storage	John Thomas	09/09/09 20:11	Retrieve from Storage
JA27477-3.8	John Thomas	Millicent Walker	09/09/09 20:12	Custody Transfer
JA27477-3.8	Shirley Grzybowski	Secured Storage	09/10/09 07:03	Return to Storage
Analyst unavailable for custody transfer.				
JA27477-3.8	Dave Hunkele		10/12/09 05:25	Disposed
JA27477-3F.4	Secured Storage	Todd Shoemaker	09/10/09 09:01	Retrieve from Storage
JA27477-3F.4	Todd Shoemaker	Rinku Patel	09/10/09 09:02	Custody Transfer
JA27477-3F.4	Rinku Patel	Secured Storage	09/10/09 11:39	Return to Storage
JA27477-3F.4	Secured Storage	Adam Scott	09/14/09 10:04	Retrieve from Storage
JA27477-3F.4	Adam Scott	Teresa Guziak	09/14/09 10:06	Custody Transfer
JA27477-3F.4	Teresa Guziak	Secured Storage	09/14/09 16:49	Return to Storage
JA27477-3F.4	Secured Storage	Adam Scott	09/18/09 08:13	Retrieve from Storage
JA27477-3F.4	Adam Scott	Rinku Patel	09/18/09 08:15	Custody Transfer
JA27477-3F.4	Rinku Patel	Secured Storage	09/18/09 15:33	Return to Storage
JA27477-3F.4	Dave Hunkele		10/12/09 05:25	Disposed

# Accutest Internal Chain of Custody

**Job Number:** JA27477  
**Account:** HWINJM Honeywell International Inc.  
**Project:** HLANJPR: SA-5 Site 117, Jersey City, NJ  
**Received:** 09/09/09

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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA27477-3F.4.1	Rinku Patel	Metals Digestion	09/18/09 15:10	Digestate from JA27477-3F.4
JA27477-3F.4.1	Metals Digestion	Darshananben Patel	09/18/09 15:15	Digestate from JA27477-3F.4
JA27477-3F.4.1	Darshananben Patel	Metals Digestate Storage	09/18/09 15:16	Return to Storage
JA27477-3F.5	Secured Storage	John Thomas	09/09/09 19:41	Retrieve from Storage
JA27477-3F.5	John Thomas	Millicent Walker	09/09/09 19:43	Custody Transfer
JA27477-3F.5	Shirley Grzybowski	Secured Storage	09/10/09 07:03	Return to Storage
JA27477-3F.5	Analyst unavailable for custody transfer.			
JA27477-3F.5	Secured Storage	Beatrice Marcelino	09/10/09 13:53	Retrieve from Storage
JA27477-3F.5	Beatrice Marcelino	Secured Storage	09/10/09 16:32	Return to Storage
JA27477-3F.5	Secured Storage	Adam Scott	09/18/09 08:13	Retrieve from Storage
JA27477-3F.5	Adam Scott	Rinku Patel	09/18/09 08:15	Custody Transfer
JA27477-3F.5	Rinku Patel	Secured Storage	09/18/09 15:33	Return to Storage
JA27477-3F.5	Dave Hunkele		10/12/09 05:25	Disposed
JA27477-3F.6	Secured Storage	Adam Scott	09/14/09 10:04	Retrieve from Storage
JA27477-3F.6	Adam Scott	Teresa Guziak	09/14/09 10:06	Custody Transfer
JA27477-3F.6	Teresa Guziak	Secured Storage	09/14/09 16:49	Return to Storage
JA27477-3F.6	Secured Storage	Adam Scott	09/15/09 08:59	Retrieve from Storage
JA27477-3F.6	Adam Scott	Rinku Patel	09/15/09 09:02	Custody Transfer
JA27477-3F.6	Rinku Patel	Secured Storage	09/15/09 16:57	Return to Storage
JA27477-3F.6	Secured Storage	Adam Scott	09/18/09 08:13	Retrieve from Storage
JA27477-3F.6	Adam Scott	Rinku Patel	09/18/09 08:15	Custody Transfer
JA27477-3F.6	Rinku Patel	Secured Storage	09/18/09 15:33	Return to Storage
JA27477-3F.6	Dave Hunkele		10/12/09 05:25	Disposed
JA27477-3F.10	Secured Storage	John Thomas	09/09/09 20:11	Retrieve from Storage
JA27477-3F.10	John Thomas	Millicent Walker	09/09/09 20:12	Custody Transfer
JA27477-3F.10	Shirley Grzybowski	Secured Storage	09/10/09 07:03	Return to Storage
JA27477-3F.10	Analyst unavailable for custody transfer.			
JA27477-3F.10	Dave Hunkele		10/12/09 05:25	Disposed
JA27477-4.1	Secured Storage	John Thomas	09/09/09 19:41	Retrieve from Storage
JA27477-4.1	John Thomas	Millicent Walker	09/09/09 19:43	Custody Transfer
JA27477-4.1	Shirley Grzybowski	Secured Storage	09/10/09 07:03	Return to Storage
JA27477-4.1	Analyst unavailable for custody transfer.			
JA27477-4.1	Secured Storage	Todd Shoemaker	09/10/09 09:01	Retrieve from Storage
JA27477-4.1	Todd Shoemaker	Rinku Patel	09/10/09 09:02	Custody Transfer
JA27477-4.1	Rinku Patel	Secured Storage	09/10/09 11:39	Return to Storage
JA27477-4.1	Secured Storage	Adam Scott	09/18/09 08:13	Retrieve from Storage
JA27477-4.1	Adam Scott	Rinku Patel	09/18/09 08:15	Custody Transfer
JA27477-4.1	Rinku Patel	Secured Storage	09/18/09 15:33	Return to Storage
JA27477-4.1	Dave Hunkele		10/12/09 05:25	Disposed

# Accutest Internal Chain of Custody

**Job Number:** JA27477  
**Account:** HWINJM Honeywell International Inc.  
**Project:** HLANJPR: SA-5 Site 117, Jersey City, NJ  
**Received:** 09/09/09

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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA27477-4.1.1	Rinku Patel	Metals Digestion	09/18/09 15:10	Digestate from JA27477-4.1
JA27477-4.1.1	Metals Digestion	Darshananben Patel	09/18/09 15:15	Digestate from JA27477-4.1
JA27477-4.1.1	Darshananben Patel	Metals Digestate Storage	09/18/09 15:16	Return to Storage
JA27477-4.3	Secured Storage	John Thomas	09/09/09 20:11	Retrieve from Storage
JA27477-4.3	John Thomas	Millicent Walker	09/09/09 20:12	Custody Transfer
JA27477-4.3	Shirley Grzybowski	Secured Storage	09/10/09 07:03	Return to Storage
Analyst unavailable for custody transfer.				
JA27477-4.3	Dave Hunkele		10/12/09 05:25	Disposed
JA27477-4F.2	Secured Storage	John Thomas	09/09/09 19:41	Retrieve from Storage
JA27477-4F.2	John Thomas	Millicent Walker	09/09/09 19:43	Custody Transfer
JA27477-4F.2	Shirley Grzybowski	Secured Storage	09/10/09 07:03	Return to Storage
Analyst unavailable for custody transfer.				
JA27477-4F.2	Secured Storage	Beatrice Marcelino	09/10/09 13:53	Retrieve from Storage
JA27477-4F.2	Beatrice Marcelino	Secured Storage	09/10/09 16:32	Return to Storage
JA27477-4F.2	Secured Storage	Adam Scott	09/18/09 08:13	Retrieve from Storage
JA27477-4F.2	Adam Scott	Rinku Patel	09/18/09 08:15	Custody Transfer
JA27477-4F.2	Rinku Patel	Secured Storage	09/18/09 15:33	Return to Storage
JA27477-4F.2	Dave Hunkele		10/12/09 05:25	Disposed
JA27477-4F.2.1	Rinku Patel	Metals Digestion	09/18/09 15:10	Digestate from JA27477-4F.2
JA27477-4F.2.1	Metals Digestion	Darshananben Patel	09/18/09 15:15	Digestate from JA27477-4F.2
JA27477-4F.2.1	Darshananben Patel	Metals Digestate Storage	09/18/09 15:16	Return to Storage
JA27477-4F.4	Secured Storage	John Thomas	09/09/09 20:11	Retrieve from Storage
JA27477-4F.4	John Thomas	Millicent Walker	09/09/09 20:12	Custody Transfer
JA27477-4F.4	Shirley Grzybowski	Secured Storage	09/10/09 07:03	Return to Storage
Analyst unavailable for custody transfer.				
JA27477-4F.4	Dave Hunkele		10/12/09 05:25	Disposed
JA27477-5.1	Secured Storage	John Thomas	09/09/09 19:41	Retrieve from Storage
JA27477-5.1	John Thomas	Millicent Walker	09/09/09 19:43	Custody Transfer
JA27477-5.1	Shirley Grzybowski	Secured Storage	09/10/09 07:03	Return to Storage
Analyst unavailable for custody transfer.				
JA27477-5.1	Secured Storage	Todd Shoemaker	09/10/09 09:01	Retrieve from Storage
JA27477-5.1	Todd Shoemaker	Rinku Patel	09/10/09 09:02	Custody Transfer
JA27477-5.1	Rinku Patel	Secured Storage	09/10/09 11:39	Return to Storage
JA27477-5.1	Secured Storage	Adam Scott	09/18/09 08:13	Retrieve from Storage
JA27477-5.1	Adam Scott	Rinku Patel	09/18/09 08:15	Custody Transfer
JA27477-5.1	Rinku Patel	Secured Storage	09/18/09 15:33	Return to Storage
JA27477-5.1	Dave Hunkele		10/12/09 05:25	Disposed
JA27477-5.1.1	Rinku Patel	Metals Digestion	09/18/09 15:10	Digestate from JA27477-5.1

# Accutest Internal Chain of Custody

**Job Number:** JA27477  
**Account:** HWINJM Honeywell International Inc.  
**Project:** HLANJPR: SA-5 Site 117, Jersey City, NJ  
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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA27477-5.1.1	Metals Digestion	Darshanaben Patel	09/18/09 15:15	Digestate from JA27477-5.1
JA27477-5.1.1	Darshanaben Patel	Metals Digestate Storage	09/18/09 15:16	Return to Storage
JA27477-5.3	Secured Storage	John Thomas	09/09/09 20:11	Retrieve from Storage
JA27477-5.3	John Thomas	Millicent Walker	09/09/09 20:12	Custody Transfer
JA27477-5.3	Shirley Grzybowski	Secured Storage	09/10/09 07:03	Return to Storage
Analyst unavailable for custody transfer.				
JA27477-5.3	Dave Hunkele		10/12/09 05:25	Disposed
JA27477-5F.2	Secured Storage	John Thomas	09/09/09 19:41	Retrieve from Storage
JA27477-5F.2	John Thomas	Millicent Walker	09/09/09 19:43	Custody Transfer
JA27477-5F.2	Shirley Grzybowski	Secured Storage	09/10/09 07:03	Return to Storage
Analyst unavailable for custody transfer.				
JA27477-5F.2	Secured Storage	Beatrice Marcelino	09/10/09 13:53	Retrieve from Storage
JA27477-5F.2	Beatrice Marcelino	Secured Storage	09/10/09 16:32	Return to Storage
JA27477-5F.2	Secured Storage	Adam Scott	09/18/09 08:13	Retrieve from Storage
JA27477-5F.2	Adam Scott	Rinku Patel	09/18/09 08:15	Custody Transfer
JA27477-5F.2	Rinku Patel	Secured Storage	09/18/09 15:33	Return to Storage
JA27477-5F.2	Dave Hunkele		10/12/09 05:25	Disposed
JA27477-5F.2.1	Rinku Patel	Metals Digestion	09/18/09 15:10	Digestate from JA27477-5F.2
JA27477-5F.2.1	Metals Digestion	Darshanaben Patel	09/18/09 15:15	Digestate from JA27477-5F.2
JA27477-5F.2.1	Darshanaben Patel	Metals Digestate Storage	09/18/09 15:16	Return to Storage
JA27477-5F.4	Secured Storage	John Thomas	09/09/09 20:11	Retrieve from Storage
JA27477-5F.4	John Thomas	Millicent Walker	09/09/09 20:12	Custody Transfer
JA27477-5F.4	Shirley Grzybowski	Secured Storage	09/10/09 07:03	Return to Storage
Analyst unavailable for custody transfer.				
JA27477-5F.4	Dave Hunkele		10/12/09 05:25	Disposed
JA27477-6.1	Secured Storage	John Thomas	09/09/09 19:41	Retrieve from Storage
JA27477-6.1	John Thomas	Millicent Walker	09/09/09 19:43	Custody Transfer
JA27477-6.1	Shirley Grzybowski	Secured Storage	09/10/09 07:03	Return to Storage
Analyst unavailable for custody transfer.				
JA27477-6.1	Secured Storage	Todd Shoemaker	09/10/09 09:01	Retrieve from Storage
JA27477-6.1	Todd Shoemaker	Rinku Patel	09/10/09 09:02	Custody Transfer
JA27477-6.1	Rinku Patel	Secured Storage	09/10/09 11:39	Return to Storage
JA27477-6.1	Secured Storage	Adam Scott	09/18/09 08:13	Retrieve from Storage
JA27477-6.1	Adam Scott	Rinku Patel	09/18/09 08:15	Custody Transfer
JA27477-6.1	Rinku Patel	Secured Storage	09/18/09 15:33	Return to Storage
JA27477-6.1	Dave Hunkele		10/12/09 05:25	Disposed
JA27477-6.1.1	Rinku Patel	Metals Digestion	09/18/09 15:10	Digestate from JA27477-6.1
JA27477-6.1.1	Metals Digestion	Darshanaben Patel	09/18/09 15:15	Digestate from JA27477-6.1

# Accutest Internal Chain of Custody

**Job Number:** JA27477  
**Account:** HWINJM Honeywell International Inc.  
**Project:** HLANJPR: SA-5 Site 117, Jersey City, NJ  
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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA27477-6.1.1	Darshanben Patel	Metals Digestate Storage	09/18/09 15:16	Return to Storage
JA27477-6.3	Secured Storage	John Thomas	09/09/09 20:11	Retrieve from Storage
JA27477-6.3	John Thomas	Millicent Walker	09/09/09 20:12	Custody Transfer
JA27477-6.3	Shirley Grzybowski	Secured Storage	09/10/09 07:03	Return to Storage
Analyst unavailable for custody transfer.				
JA27477-6.3	Dave Hunkele		10/12/09 05:25	Disposed
JA27477-6F.2	Secured Storage	John Thomas	09/09/09 19:41	Retrieve from Storage
JA27477-6F.2	John Thomas	Millicent Walker	09/09/09 19:43	Custody Transfer
JA27477-6F.2	Shirley Grzybowski	Secured Storage	09/10/09 07:03	Return to Storage
Analyst unavailable for custody transfer.				
JA27477-6F.2	Secured Storage	Beatrice Marcelino	09/10/09 13:53	Retrieve from Storage
JA27477-6F.2	Beatrice Marcelino	Secured Storage	09/10/09 16:32	Return to Storage
JA27477-6F.2	Secured Storage	Adam Scott	09/18/09 08:13	Retrieve from Storage
JA27477-6F.2	Adam Scott	Rinku Patel	09/18/09 08:15	Custody Transfer
JA27477-6F.2	Rinku Patel	Secured Storage	09/18/09 15:33	Return to Storage
JA27477-6F.2	Dave Hunkele		10/12/09 05:25	Disposed
JA27477-6F.2.1	Rinku Patel	Metals Digestion	09/18/09 15:10	Digestate from JA27477-6F.2
JA27477-6F.2.1	Metals Digestion	Darshanben Patel	09/18/09 15:15	Digestate from JA27477-6F.2
JA27477-6F.2.1	Darshanben Patel	Metals Digestate Storage	09/18/09 15:16	Return to Storage
JA27477-6F.4	Secured Storage	John Thomas	09/09/09 20:11	Retrieve from Storage
JA27477-6F.4	John Thomas	Millicent Walker	09/09/09 20:12	Custody Transfer
JA27477-6F.4	Shirley Grzybowski	Secured Storage	09/10/09 07:03	Return to Storage
Analyst unavailable for custody transfer.				
JA27477-6F.4	Dave Hunkele		10/12/09 05:25	Disposed
JA27477-7.1	Secured Storage	John Thomas	09/09/09 19:41	Retrieve from Storage
JA27477-7.1	John Thomas	Millicent Walker	09/09/09 19:43	Custody Transfer
JA27477-7.1	Shirley Grzybowski	Secured Storage	09/10/09 07:03	Return to Storage
Analyst unavailable for custody transfer.				
JA27477-7.1	Secured Storage	Todd Shoemaker	09/10/09 09:01	Retrieve from Storage
JA27477-7.1	Todd Shoemaker	Rinku Patel	09/10/09 09:02	Custody Transfer
JA27477-7.1	Rinku Patel	Secured Storage	09/10/09 11:39	Return to Storage
JA27477-7.1	Secured Storage	Adam Scott	09/18/09 08:13	Retrieve from Storage
JA27477-7.1	Adam Scott	Rinku Patel	09/18/09 08:15	Custody Transfer
JA27477-7.1	Rinku Patel	Secured Storage	09/18/09 15:33	Return to Storage
JA27477-7.1	Dave Hunkele		10/12/09 05:25	Disposed
JA27477-7.1.1	Rinku Patel	Metals Digestion	09/18/09 15:10	Digestate from JA27477-7.1
JA27477-7.1.1	Metals Digestion	Darshanben Patel	09/18/09 15:15	Digestate from JA27477-7.1
JA27477-7.1.1	Darshanben Patel	Metals Digestate Storage	09/18/09 15:16	Return to Storage



# Accutest Internal Chain of Custody

**Job Number:** JA27477  
**Account:** HWINJM Honeywell International Inc.  
**Project:** HLANJPR: SA-5 Site 117, Jersey City, NJ  
**Received:** 09/09/09

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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA27477-7.3	Secured Storage	John Thomas	09/09/09 20:11	Retrieve from Storage
JA27477-7.3	John Thomas	Millicent Walker	09/09/09 20:12	Custody Transfer
JA27477-7.3	Shirley Grzybowski	Secured Storage	09/10/09 07:03	Return to Storage
Analyst unavailable for custody transfer.				
JA27477-7.3	Dave Hunkele		10/12/09 05:25	Disposed
JA27477-7F.2	Secured Storage	John Thomas	09/09/09 19:41	Retrieve from Storage
JA27477-7F.2	John Thomas	Millicent Walker	09/09/09 19:43	Custody Transfer
JA27477-7F.2	Shirley Grzybowski	Secured Storage	09/10/09 07:03	Return to Storage
Analyst unavailable for custody transfer.				
JA27477-7F.2	Secured Storage	Beatrice Marcelino	09/10/09 13:53	Retrieve from Storage
JA27477-7F.2	Beatrice Marcelino	Secured Storage	09/10/09 16:32	Return to Storage
JA27477-7F.2	Secured Storage	Adam Scott	09/18/09 08:13	Retrieve from Storage
JA27477-7F.2	Adam Scott	Rinku Patel	09/18/09 08:15	Custody Transfer
JA27477-7F.2	Rinku Patel	Secured Storage	09/18/09 15:33	Return to Storage
JA27477-7F.2	Dave Hunkele		10/12/09 05:25	Disposed
JA27477-7F.2.1	Rinku Patel	Metals Digestion	09/18/09 15:10	Digestate from JA27477-7F.2
JA27477-7F.2.1	Metals Digestion	Darshananben Patel	09/18/09 15:15	Digestate from JA27477-7F.2
JA27477-7F.2.1	Darshananben Patel	Metals Digestate Storage	09/18/09 15:16	Return to Storage
JA27477-7F.4	Secured Storage	John Thomas	09/09/09 20:11	Retrieve from Storage
JA27477-7F.4	John Thomas	Millicent Walker	09/09/09 20:12	Custody Transfer
JA27477-7F.4	Shirley Grzybowski	Secured Storage	09/10/09 07:03	Return to Storage
Analyst unavailable for custody transfer.				
JA27477-7F.4	Dave Hunkele		10/12/09 05:25	Disposed
JA27477-8.1	Secured Storage	John Thomas	09/09/09 19:41	Retrieve from Storage
JA27477-8.1	John Thomas	Millicent Walker	09/09/09 19:43	Custody Transfer
JA27477-8.1	Shirley Grzybowski	Secured Storage	09/10/09 07:03	Return to Storage
Analyst unavailable for custody transfer.				
JA27477-8.1	Secured Storage	Todd Shoemaker	09/10/09 09:01	Retrieve from Storage
JA27477-8.1	Todd Shoemaker	Rinku Patel	09/10/09 09:02	Custody Transfer
JA27477-8.1	Rinku Patel	Secured Storage	09/10/09 11:39	Return to Storage
JA27477-8.1	Secured Storage	Adam Scott	09/18/09 08:13	Retrieve from Storage
JA27477-8.1	Adam Scott	Rinku Patel	09/18/09 08:15	Custody Transfer
JA27477-8.1	Rinku Patel	Secured Storage	09/18/09 15:33	Return to Storage
JA27477-8.1	Dave Hunkele		10/12/09 05:25	Disposed
JA27477-8.1.1	Rinku Patel	Metals Digestion	09/18/09 15:10	Digestate from JA27477-8.1
JA27477-8.1.1	Metals Digestion	Darshananben Patel	09/18/09 15:15	Digestate from JA27477-8.1
JA27477-8.1.1	Darshananben Patel	Metals Digestate Storage	09/18/09 15:16	Return to Storage

# Accutest Internal Chain of Custody

**Job Number:** JA27477  
**Account:** HWINJM Honeywell International Inc.  
**Project:** HLANJPR: SA-5 Site 117, Jersey City, NJ  
**Received:** 09/09/09

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA27477-8.2	Secured Storage	John Thomas	09/09/09 20:11	Retrieve from Storage
JA27477-8.2	John Thomas	Millicent Walker	09/09/09 20:12	Custody Transfer
JA27477-8.2	Shirley Grzybowski	Secured Storage	09/10/09 07:03	Return to Storage
Analyst unavailable for custody transfer.				
JA27477-8.2	Dave Hunkele		10/12/09 05:25	Disposed

4.3  
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## Metals Analysis

### QC Data Summaries

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Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- IDL and Linear Range Summaries

Accutest Laboratories Instrument Runlog  
Inorganics Analyses

Login Number: JA27477

Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: SA091909M1.ICP  
Analyst: ND  
Parameters: Cr

Date Analyzed: 09/19/09      Methods: EPA 200.7, SW846 6010B  
Run ID: MA23143

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:57	MA23143-STD1	1		STDA
11:04	MA23143-STD2	1		STDB
11:10	MA23143-CCV1	1		
11:16	MA23143-CCB1	1		
11:24	MA23143-STD3	1		STDA
11:31	MA23143-STD4	1		STDB
11:37	MA23143-STD5	1		STDB
11:46	MA23143-HSTD1	1		
11:57	MA23143-HSTD2	1		
12:05	MA23143-CRIB1	1		
12:11	MA23143-CRID1	1		
12:19	MA23143-ICV1	1		
12:29	MA23143-ICB1	1		
12:34	ZZZZZZ	1		
12:41	ZZZZZZ	1		
12:49	MA23143-ICCV1	1		
13:01	MA23143-CCB2	1		
13:05	MA23143-ICSA1	1		
13:12	MA23143-ICSAB1	1		
13:18	MA23143-CCV2	1		
13:24	MA23143-CCB3	1		
13:30	ZZZZZZ	10		
13:36	ZZZZZZ	1		
13:42	ZZZZZZ	25		
13:48	ZZZZZZ	5		
13:54	ZZZZZZ	5		
14:01	MP49683-MB1	1		
14:07	MP49683-LC1	1		
14:13	MP49683-S1	1		
14:19	MP49683-S2	1		
14:25	MA23143-CCV3	1		
14:31	MA23143-CCB4	1		
14:37	JA27169-2	1		(sample used for QC only; not part of login JA27477)

Accutest Laboratories Instrument Runlog  
Inorganics Analyses

Login Number: JA27477

Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: SA091909M1.ICP  
Analyst: ND  
Parameters: Cr

Date Analyzed: 09/19/09      Methods: EPA 200.7, SW846 6010B  
Run ID: MA23143

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:43	MP49683-SD1	5		
14:49	ZZZZZZ	1		
14:56	ZZZZZZ	1		
15:02	ZZZZZZ	1		
15:08	ZZZZZZ	1		
15:14	ZZZZZZ	1		
15:20	ZZZZZZ	1		
15:27	ZZZZZZ	1		
15:33	MA23143-CCV4	1		
15:39	MA23143-CCB5	1		
15:45	ZZZZZZ	1		
15:51	MP49698-MB1	1		
15:57	MP49698-LC1	1		
16:03	JA28426-1	1		(sample used for QC only; not part of login JA27477)
16:09	ZZZZZZ	1		
16:16	ZZZZZZ	1		
16:22	ZZZZZZ	1		
16:28	ZZZZZZ	1		
16:34	MA23143-CCV5	1		
16:40	MA23143-CCB6	1		
16:47	MA23143-ICSA2	1		
16:53	MA23143-ICSAB2	1		
16:59	MA23143-CCV6	1		
17:05	MA23143-CCB7	1		
17:11	ZZZZZZ	1		
17:17	ZZZZZZ	1		
17:23	ZZZZZZ	1		
17:29	ZZZZZZ	1		
17:36	ZZZZZZ	1		
17:42	ZZZZZZ	1		
17:48	ZZZZZZ	1		
17:54	ZZZZZZ	1		
18:00	ZZZZZZ	1		

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Accutest Laboratories Instrument Runlog  
Inorganics Analyses

Login Number: JA27477

Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: SA091909M1.ICP  
Analyst: ND  
Parameters: Cr

Date Analyzed: 09/19/09  
Run ID: MA23143  
Methods: EPA 200.7, SW846 6010B

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:06	ZZZZZZ	1		
18:12	MA23143-CCV7	1		
18:18	MA23143-CCB8	1		
18:25	MP49698-S1	1		
18:31	MP49698-S2	1		
18:37	MP49698-SD1	5		
18:43	ZZZZZZ	1		
18:49	ZZZZZZ	1		
18:55	ZZZZZZ	1		
19:01	ZZZZZZ	1		
19:07	ZZZZZZ	1		
19:13	MP49681-MB1	1		
19:19	MP49681-LC1	1		
19:25	MA23143-CCV8	1		
19:31	MA23143-CCB9	1		
19:38	MP49681-S1	1		
19:44	MP49681-S2	1		
19:50	JA28143-2	1		(sample used for QC only; not part of login JA27477)
19:56	MP49681-SD1	5		
20:02	ZZZZZZ	1		
20:08	ZZZZZZ	1		
20:14	ZZZZZZ	1		
20:20	ZZZZZZ	1		
20:26	ZZZZZZ	1		
20:33	ZZZZZZ	1		
20:39	MA23143-CCV9	1		
20:45	MA23143-CCB10	1		
20:51	ZZZZZZ	1		
20:57	ZZZZZZ	1		
21:04	ZZZZZZ	1		
21:10	ZZZZZZ	1		
21:16	ZZZZZZ	1		
21:22	ZZZZZZ	1		

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Accutest Laboratories Instrument Runlog  
Inorganics Analyses

Login Number: JA27477

Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: SA091909M1.ICP  
Analyst: ND  
Parameters: Cr

Date Analyzed: 09/19/09      Methods: EPA 200.7, SW846 6010B  
Run ID: MA23143

Time	Sample Description	Dilution Factor	PS Recov	Comments
21:28	ZZZZZZ	1		
21:35	ZZZZZZ	1		
21:41	ZZZZZZ	1		
21:47	ZZZZZZ	1		
21:53	MA23143-CCV10	1		
21:59	MA23143-CCB11	1		
22:05	ZZZZZZ	1		
22:11	ZZZZZZ	1		
22:18	ZZZZZZ	1		
22:24	MP49675-MB1	1		
22:30	MP49675-LC1	1		
22:36	MP49675-S1	1		
22:42	MP49675-S2	1		
22:48	JA27495-7	1		(sample used for QC only; not part of login JA27477)
22:54	MP49675-SD1	5		
23:01	ZZZZZZ	5		
23:07	MA23143-CCV11	1		
23:13	MA23143-CCB12	1		
23:19	MA23143-ICSA3	1		
23:25	MA23143-ICSAB3	1		
23:31	MA23143-CCV12	1		
23:37	MA23143-CCB13	1		
23:43	ZZZZZZ	5		
23:50	ZZZZZZ	5		
23:56	ZZZZZZ	5		
00:02	ZZZZZZ	1		
00:08	ZZZZZZ	1		
00:14	ZZZZZZ	1		
00:20	ZZZZZZ	1		
00:26	ZZZZZZ	1		
00:33	ZZZZZZ	1		
00:39	ZZZZZZ	1		
00:45	MA23143-CCV13	1		

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Accutest Laboratories Instrument Runlog  
Inorganics Analyses

Login Number: JA27477

Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: SA091909M1.ICP  
Analyst: ND  
Parameters: Cr

Date Analyzed: 09/19/09  
Run ID: MA23143

Methods: EPA 200.7, SW846 6010B

Time	Sample Description	Dilution Factor	PS Recov	Comments
00:51	MA23143-CCB14	1		
00:57	ZZZZZZ	1		
01:04	ZZZZZZ	1		
01:10	ZZZZZZ	1		
01:16	ZZZZZZ	1		
01:23	ZZZZZZ	1		
01:29	ZZZZZZ	1		
01:35	ZZZZZZ	1		
01:41	ZZZZZZ	1		
01:47	MP49677-MB1	1		
01:53	MP49677-LC1	1		
01:59	MA23143-CCV14	1		
02:05	MA23143-CCB15	1		
02:11	MP49677-S3	1		
02:18	MP49677-S4	1		
02:24	JA27477-3F	1		
02:30	MP49677-SD2	5		
02:36	ZZZZZZ	1		
02:42	ZZZZZZ	1		
02:48	ZZZZZZ	1		
02:54	JA27477-1	1		
03:00	JA27477-2	1		
03:07	JA27477-3	1		
03:13	MA23143-CCV15	1		
03:19	MA23143-CCB16	1		
03:25	JA27477-4	1		
03:31	JA27477-5	1		
03:37	JA27477-6	1		
03:44	JA27477-7	1		
03:50	JA27477-8	1		
03:56	JA27477-1F	1		
04:02	JA27477-2F	1		
04:08	JA27477-4F	1		



Accutest Laboratories Instrument Runlog  
Inorganics Analyses

Login Number: JA27477  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: SA091909M1.ICP      Date Analyzed: 09/19/09      Methods: EPA 200.7, SW846 6010B  
Analyst: ND      Run ID: MA23143  
Parameters: Cr

Time	Sample Description	Dilution Factor	PS Recov	Comments
04:14	JA27477-5F	1		
04:21	JA27477-6F	1		
04:27	MA23143-CCV16	1		
04:33	MA23143-CCB17	1		
04:39	ZZZZZZ	1		
04:45	JA27477-7F	1		
04:51	ZZZZZZ	1		
04:58	ZZZZZZ	1		
05:04	MP49677-S1	1		
05:10	MP49677-S2	1		
05:16	MP49677-SD1	5		
----->	Last reportable sample/prep for job JA27477			
05:22	ZZZZZZ	1		
05:28	MA23143-CCV17	1		
05:34	MA23143-CCB18	1		
05:41	MA23143-ICSA4	1		
05:47	MA23143-ICSAB4	1		
05:53	MA23143-CCV18	1		
05:59	MA23143-CCB19	1		
----->	Last reportable CCB for job JA27477			
06:05	ZZZZZZ	1		
06:11	ZZZZZZ	1		
06:18	ZZZZZZ	1		
06:24	ZZZZZZ	1		
06:30	ZZZZZZ	1		
06:36	ZZZZZZ	1		
06:42	ZZZZZZ	1		

Refer to raw data for calibration curve and standards.

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INTERNAL STANDARD SUMMARY

Login Number: JA27477  
 Account: HWINJM - Honeywell International Inc.  
 Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: SA091909M1.ICP Date Analyzed: 09/19/09 Methods: EPA 200.7, SW846 6010B  
 Analyst: ND Run ID: MA23143  
 Parameters: Cr

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:57	MA23143-STD1	2269 R	108400 R	18430 R	5075 R
11:04	MA23143-STD2	2129	103180	17904	4503
11:10	MA23143-CCV1	2173	104660	17765	4669
11:16	MA23143-CCB1	2232	108200	18395	4987
11:24	MA23143-STD3	2256	108620	18266	5041
11:31	MA23143-STD4	2129	102840	17843	4496
11:37	MA23143-STD5	2130	101320	17794	4486
11:46	MA23143-HSTD1	2118	105360	18426	4462
11:57	MA23143-HSTD2	2136	102820	17731	4499
12:05	MA23143-CRIB1	2220	106540	18018	4909
12:11	MA23143-CRID1	2236	108010	19170	5025
12:19	MA23143-ICV1	2241	108190	18932	4987
12:29	MA23143-ICB1	2245	108150	18935	5057
12:34	ZZZZZZ	2181	104630	19115	4719
12:41	ZZZZZZ	2184	105950	18656	4710
12:49	MA23143-ICCV1	2193	104000	18353	4727
13:01	MA23143-CCB2	2229	112150	19187	5011
13:05	MA23143-ICSA1	1954	97312	17879	4021
13:12	MA23143-ICSAB1	1985	96918	17760	4076
13:18	MA23143-CCV2	2173	106390	18615	4708
13:24	MA23143-CCB3	2237	106310	18916	5041
13:30	ZZZZZZ	2453	119150	20699	5011
13:36	ZZZZZZ	2223	109310	18786	4984
13:42	ZZZZZZ	2220	106500	18979	4802
13:48	ZZZZZZ	2234	108650	18599	4945
13:54	ZZZZZZ	2262	109170	18739	4999
14:01	MP49683-MB1	2265	110020	18837	5067
14:07	MP49683-LC1	2233	109390	18831	4961
14:13	MP49683-S1	2108	103900	17886	4528
14:19	MP49683-S2	2121	104270	18565	4550
14:25	MA23143-CCV3	2206	106830	17802	4752
14:31	MA23143-CCB4	2267	110240	19063	5095
14:37	JA27169-2	2141	105450	18988	4660

INTERNAL STANDARD SUMMARY

Login Number: JA27477  
 Account: HWINJM - Honeywell International Inc.  
 Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: SA091909M1.ICP Date Analyzed: 09/19/09 Methods: EPA 200.7, SW846 6010B  
 Analyst: ND Run ID: MA23143  
 Parameters: Cr

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:43	MP49683-SD1	2229	109230	19279	4989
14:49	ZZZZZZ	2133	106710	19237	4687
14:56	ZZZZZZ	2109	106610	19238	4619
15:02	ZZZZZZ	2178	108450	19342	4819
15:08	ZZZZZZ	2134	106610	19365	4719
15:14	ZZZZZZ	1948	98440	18351	4107
15:20	ZZZZZZ	2111	105710	19402	4621
15:27	ZZZZZZ	2075	102390	19099	4506
15:33	MA23143-CCV4	2179	107010	19084	4738
15:39	MA23143-CCB5	2245	107390	17935	4993
15:45	ZZZZZZ	2238	107160	18013	4961
15:51	MP49698-MB1	2219	106390	17659	4928
15:57	MP49698-LC1	2219	110910	18377	4905
16:03	JA28426-1	2199	107010	18259	4855
16:09	ZZZZZZ	1919	92933	17191	3902
16:16	ZZZZZZ	1910	91016	16635	3853
16:22	ZZZZZZ	2173	105460	17804	4817
16:28	ZZZZZZ	2070	101080	17431	4422
16:34	MA23143-CCV5	2159	103470	17362	4603
16:40	MA23143-CCB6	2227	105830	17356	4917
16:47	MA23143-ICSA2	1997	95947	16704	4035
16:53	MA23143-ICSAB2	2006	96252	16729	4044
16:59	MA23143-CCV6	2169	102320	17108	4612
17:05	MA23143-CCB7	2242	106010	17351	4939
17:11	ZZZZZZ	2131	102670	17209	4584
17:17	ZZZZZZ	2227	106890	17305	4699
17:23	ZZZZZZ	2226	104960	17392	4928
17:29	ZZZZZZ	2087	101750	17133	4492
17:36	ZZZZZZ	2095	104020	17250	4500
17:42	ZZZZZZ	2117	103170	17282	4748
17:48	ZZZZZZ	2090	104880	18751	4630
17:54	ZZZZZZ	2122	105870	19245	4690
18:00	ZZZZZZ	2099	102740	19109	4347

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INTERNAL STANDARD SUMMARY

Login Number: JA27477  
 Account: HWINJM - Honeywell International Inc.  
 Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: SA091909M1.ICP Date Analyzed: 09/19/09 Methods: EPA 200.7, SW846 6010B  
 Analyst: ND Run ID: MA23143  
 Parameters: Cr

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
18:06	ZZZZZZ	2203	108920	19217	4992
18:12	MA23143-CCV7	2145	102810	17433	4604
18:18	MA23143-CCB8	2235	105760	16173	4944
18:25	MP49698-S1	2141	102570	17263	4658
18:31	MP49698-S2	2121	101660	17152	4636
18:37	MP49698-SD1	2201	98208	17178	4882
18:43	ZZZZZZ	2144	104120	17134	4704
18:49	ZZZZZZ	2151	103240	17625	4720
18:55	ZZZZZZ	2131	102930	17863	4675
19:01	ZZZZZZ	2133	102250	17886	4689
19:07	ZZZZZZ	2274	106830	18110	5088
19:13	MP49681-MB1	2236	106550	17950	4989
19:19	MP49681-LC1	2208	104090	17075	4838
19:25	MA23143-CCV8	2170	102270	16828	4615
19:31	MA23143-CCB9	2248	104850	16944	4958
19:38	MP49681-S1	2224	104500	17365	4665
19:44	MP49681-S2	2231	105160	17302	4681
19:50	JA28143-2	2281	106590	17550	4894
19:56	MP49681-SD1	2296	105920	16978	5043
20:02	ZZZZZZ	2020	94388	16459	4119
20:08	ZZZZZZ	2052	95707	16383	4214
20:14	ZZZZZZ	2152	97121	17686	4552
20:20	ZZZZZZ	2181	102530	16845	4747
20:26	ZZZZZZ	2095	98690	16643	4409
20:33	ZZZZZZ	2156	100700	16649	4582
20:39	MA23143-CCV9	2192	102230	16764	4647
20:45	MA23143-CCB10	2234	106000	16909	4925
20:51	ZZZZZZ	2047	96791	16481	4251
20:57	ZZZZZZ	2010	95003	16447	4107
21:04	ZZZZZZ	2077	98788	17007	4310
21:10	ZZZZZZ	2157	98479	17191	4587
21:16	ZZZZZZ	2154	103720	17460	4727
21:22	ZZZZZZ	2055	98246	16587	4308

5.1.1  
5

INTERNAL STANDARD SUMMARY

Login Number: JA27477  
 Account: HWINJM - Honeywell International Inc.  
 Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: SA091909M1.ICP Date Analyzed: 09/19/09 Methods: EPA 200.7, SW846 6010B  
 Analyst: ND Run ID: MA23143  
 Parameters: Cr

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
21:28	ZZZZZZ	2091	100780	17640	4410
21:35	ZZZZZZ	2049	98294	17571	4294
21:41	ZZZZZZ	2282	109110	18436	4967
21:47	ZZZZZZ	2243	106740	17934	4935
21:53	MA23143-CCV10	2208	106320	17180	4712
21:59	MA23143-CCB11	2307	108040	17897	5119
22:05	ZZZZZZ	2309	109440	18414	5009
22:11	ZZZZZZ	2309	109480	18248	4989
22:18	ZZZZZZ	2276	107650	18234	5006
22:24	MP49675-MB1	2338	109680	18308	5179
22:30	MP49675-LC1	2267	107340	17867	4983
22:36	MP49675-S1	2129	102240	17606	4493
22:42	MP49675-S2	2116	100870	17308	4467
22:48	JA27495-7	2127	101980	17309	4529
22:54	MP49675-SD1	2249	101380	17480	4916
23:01	ZZZZZZ	2124	99698	16901	4439
23:07	MA23143-CCV11	2227	105070	17452	4748
23:13	MA23143-CCB12	2269	107500	17586	5032
23:19	MA23143-ICSA3	2013	97523	17146	4090
23:25	MA23143-ICSAB3	2017	96584	16892	4094
23:31	MA23143-CCV12	2205	104760	17550	4713
23:37	MA23143-CCB13	2281	104130	17525	5039
23:43	ZZZZZZ	2166	101690	16815	4628
23:50	ZZZZZZ	2121	100970	17430	4538
23:56	ZZZZZZ	2108	102650	17898	4532
00:02	ZZZZZZ	2224	106880	18218	4920
00:08	ZZZZZZ	2145	106380	18252	4678
00:14	ZZZZZZ	2192	106740	18409	4835
00:20	ZZZZZZ	2236	107820	18512	5000
00:26	ZZZZZZ	2195	106880	18532	4836
00:33	ZZZZZZ	2255	109420	18998	5068
00:39	ZZZZZZ	2109	102480	18146	4544
00:45	MA23143-CCV13	2235	107550	18605	4846

5.1.1  
5

INTERNAL STANDARD SUMMARY

Login Number: JA27477  
 Account: HWINJM - Honeywell International Inc.  
 Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: SA091909M1.ICP Date Analyzed: 09/19/09 Methods: EPA 200.7, SW846 6010B  
 Analyst: ND Run ID: MA23143  
 Parameters: Cr

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
00:51	MA23143-CCB14	2311	110880	18844	5198
00:57	ZZZZZ	1536	75478	16226	2936 !
01:04	ZZZZZ	1703	83299	16836	3388
01:10	ZZZZZ	1884	90960	17522	3817
01:16	ZZZZZ	1956	96509	17785	4109
01:23	ZZZZZ	2293	111370	19396	5052
01:29	ZZZZZ	2283	110540	19282	5020
01:35	ZZZZZ	2244	108810	18865	5012
01:41	ZZZZZ	2166	105840	18685	4735
01:47	MP49677-MB1	2282	109950	18976	5156
01:53	MP49677-LC1	2267	109970	18859	5083
01:59	MA23143-CCV14	2227	107280	18622	4826
02:05	MA23143-CCB15	2304	110570	18861	5190
02:11	MP49677-S3	2130	105140	18515	4652
02:18	MP49677-S4	2135	105160	18481	4652
02:24	JA27477-3F	2160	105520	18577	4762
02:30	MP49677-SD2	2274	109750	18938	5089
02:36	ZZZZZ	2295	110910	18979	5191
02:42	ZZZZZ	2211	107300	18656	4918
02:48	ZZZZZ	2203	107540	18754	4893
02:54	JA27477-1	2175	106580	18750	4783
03:00	JA27477-2	2151	102200	18865	4645
03:07	JA27477-3	2177	106190	18631	4798
03:13	MA23143-CCV15	2200	106510	18511	4780
03:19	MA23143-CCB16	2248	109690	18948	5083
03:25	JA27477-4	2128	105560	18478	4713
03:31	JA27477-5	2204	107730	18911	4902
03:37	JA27477-6	2113	103490	18482	4624
03:44	JA27477-7	2155	104130	18718	4731
03:50	JA27477-8	2246	106630	19478	5099
03:56	JA27477-1F	2129	104570	18517	4701
04:02	JA27477-2F	2139	102690	18432	4632
04:08	JA27477-4F	2144	105510	18628	4751

5.1.1  
5

INTERNAL STANDARD SUMMARY

Login Number: JA27477  
 Account: HWINJM - Honeywell International Inc.  
 Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: SA091909M1.ICP Date Analyzed: 09/19/09 Methods: EPA 200.7, SW846 6010B  
 Analyst: ND Run ID: MA23143  
 Parameters: Cr

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
04:14	JA27477-5F	2207	107250	18802	4917
04:21	JA27477-6F	2121	104430	18526	4633
04:27	MA23143-CCV16	2199	106730	18605	4786
04:33	MA23143-CCB17	2269	109910	18743	5124
04:39	ZZZZZ	2046	101730	18060	4459
04:45	JA27477-7F	2159	105410	18539	4749
04:51	ZZZZZ	2173	106690	18663	4865
04:58	ZZZZZ	2122	100960	18269	4600
05:04	MP49677-S1	2117	104610	18532	4631
05:10	MP49677-S2	2113	104690	18430	4622
05:16	MP49677-SD1	2226	108710	18916	5009
05:22	ZZZZZ	2266	110110	18853	5144
05:28	MA23143-CCV17	2195	106330	18445	4771
05:34	MA23143-CCB18	2288	110290	18798	5164
05:41	MA23143-ICSA4	1989	98225	17858	4114
05:47	MA23143-ICSAB4	1998	97818	17771	4134
05:53	MA23143-CCV18	2193	106290	18510	4771
05:59	MA23143-CCB19	2280	109820	17979	5110
06:05	ZZZZZ	2290	106470	18920	4800
06:11	ZZZZZ	2068	104060	18070	4490
06:18	ZZZZZ	2220	107980	18404	4983
06:24	ZZZZZ	2094	104360	17975	4527
06:30	ZZZZZ	2266	109220	17845	5109
06:36	ZZZZZ	2270	109670	18399	5090
06:42	ZZZZZ	2256	108630	18621	5053

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

BLANK RESULTS SUMMARY  
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JA27477  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: SA091909M1.ICP Date Analyzed: 09/19/09 Methods: EPA 200.7, SW846 6010B  
QC Limits: result < RL Run ID: MA23143 Units: ug/l

Metal	Time:		12:29		13:01		13:24		14:31		
	Sample ID:	RL	IDL	ICB1	final	CCB2	final	CCB3	final	CCB4	final
Aluminum	200		5.2								
Antimony	6.0		1.6	anr							
Arsenic	3.0		1.3	anr							
Barium	200		.3	anr							
Beryllium	1.0		.2	anr							
Boron	100		1.7								
Cadmium	3.0		.2	anr							
Calcium	5000		36	anr							
Chromium	10		.5	-0.10	<10	0.20	<10	0.0	<10	0.40	<10
Cobalt	50		.3								
Copper	10		.9	anr							
Iron	100		44	anr							
Lead	3.0		1.2	anr							
Magnesium	5000		29	anr							
Manganese	15		.3	anr							
Molybdenum	20		.2								
Nickel	10		.2	anr							
Palladium	50		3								
Potassium	10000		95	anr							
Selenium	10		2.1	anr							
Silicon	200		9.6								
Silver	10		.5	anr							
Sodium	10000		450	anr							
Strontium	10		.3								
Thallium	2.0		1.3	anr							
Tin	10		.3								
Titanium	10		.6								
Tungsten	50		4.2								
Vanadium	50		.3	anr							
Zinc	20		.7	anr							

(\*) Outside of QC limits  
(anr) Analyte not requested

5.1.2  
5



BLANK RESULTS SUMMARY  
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: JA27477  
 Account: HWINJM - Honeywell International Inc.  
 Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: SA091909M1.ICP Date Analyzed: 09/19/09 Methods: EPA 200.7, SW846 6010B  
 QC Limits: result < RL Run ID: MA23143 Units: ug/l

Time:			15:39			16:40			17:05			18:18
Sample ID:	RL	IDL	CCB5	final	CCB6	final	CCB7	final	CCB8	final	CCB8	final
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final	raw	final
Aluminum	200	5.2										
Antimony	6.0	1.6	anr									
Arsenic	3.0	1.3	anr									
Barium	200	.3	anr									
Beryllium	1.0	.2	anr									
Boron	100	1.7										
Cadmium	3.0	.2	anr									
Calcium	5000	36	anr									
Chromium	10	.5	0.30	<10	-0.10	<10	0.30	<10	0.60	<10		
Cobalt	50	.3										
Copper	10	.9	anr									
Iron	100	44	anr									
Lead	3.0	1.2	anr									
Magnesium	5000	29	anr									
Manganese	15	.3	anr									
Molybdenum	20	.2										
Nickel	10	.2	anr									
Palladium	50	3										
Potassium	10000	95	anr									
Selenium	10	2.1	anr									
Silicon	200	9.6										
Silver	10	.5	anr									
Sodium	10000	450	anr									
Strontium	10	.3										
Thallium	2.0	1.3	anr									
Tin	10	.3										
Titanium	10	.6										
Tungsten	50	4.2										
Vanadium	50	.3	anr									
Zinc	20	.7	anr									

(\*) Outside of QC limits  
 (anr) Analyte not requested

5.1.2  
 5

BLANK RESULTS SUMMARY  
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: JA27477  
 Account: HWINJM - Honeywell International Inc.  
 Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: SA091909M1.ICP Date Analyzed: 09/19/09 Methods: EPA 200.7, SW846 6010B  
 QC Limits: result < RL Run ID: MA23143 Units: ug/l

Metal	RL	IDL	19:31	20:45		21:59		23:13		
			CCB9	raw	final	raw	final	raw	final	raw
Aluminum	200	5.2								
Antimony	6.0	1.6	anr							
Arsenic	3.0	1.3	anr							
Barium	200	.3	anr							
Beryllium	1.0	.2	anr							
Boron	100	1.7								
Cadmium	3.0	.2	anr							
Calcium	5000	36	anr							
Chromium	10	.5	0.10	<10	0.60	<10	0.40	<10	0.70	<10
Cobalt	50	.3								
Copper	10	.9	anr							
Iron	100	44	anr							
Lead	3.0	1.2	anr							
Magnesium	5000	29	anr							
Manganese	15	.3	anr							
Molybdenum	20	.2								
Nickel	10	.2	anr							
Palladium	50	3								
Potassium	10000	95	anr							
Selenium	10	2.1	anr							
Silicon	200	9.6								
Silver	10	.5	anr							
Sodium	10000	450	anr							
Strontium	10	.3								
Thallium	2.0	1.3	anr							
Tin	10	.3								
Titanium	10	.6								
Tungsten	50	4.2								
Vanadium	50	.3	anr							
Zinc	20	.7	anr							

(\*) Outside of QC limits  
 (anr) Analyte not requested

5.1.2  
 5

BLANK RESULTS SUMMARY  
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JA27477  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: SA091909M1.ICP Date Analyzed: 09/19/09 Methods: EPA 200.7, SW846 6010B  
QC Limits: result < RL Run ID: MA23143 Units: ug/l

Time:			23:37			00:51			02:05			03:19
Sample ID:	RL	IDL	CCB13	final	CCB14	final	CCB15	final	CCB16	final	CCB16	final
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final	raw	final
Aluminum	200	5.2										
Antimony	6.0	1.6	anr									
Arsenic	3.0	1.3	anr									
Barium	200	.3	anr									
Beryllium	1.0	.2	anr									
Boron	100	1.7										
Cadmium	3.0	.2	anr									
Calcium	5000	36	anr									
Chromium	10	.5	0.40	<10	0.10	<10	0.20	<10	0.30	<10		
Cobalt	50	.3										
Copper	10	.9	anr									
Iron	100	44	anr									
Lead	3.0	1.2	anr									
Magnesium	5000	29	anr									
Manganese	15	.3	anr									
Molybdenum	20	.2										
Nickel	10	.2	anr									
Palladium	50	3										
Potassium	10000	95	anr									
Selenium	10	2.1	anr									
Silicon	200	9.6										
Silver	10	.5	anr									
Sodium	10000	450	anr									
Strontium	10	.3										
Thallium	2.0	1.3	anr									
Tin	10	.3										
Titanium	10	.6										
Tungsten	50	4.2										
Vanadium	50	.3	anr									
Zinc	20	.7	anr									

(\*) Outside of QC limits  
(anr) Analyte not requested

5.1.2  
5

BLANK RESULTS SUMMARY  
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: JA27477  
 Account: HWINJM - Honeywell International Inc.  
 Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: SA091909M1.ICP Date Analyzed: 09/19/09 Methods: EPA 200.7, SW846 6010B  
 QC Limits: result < RL Run ID: MA23143 Units: ug/l

Metal	RL	IDL	04:33 CCB17		05:34 CCB18		05:59 CCB19	
			raw	final	raw	final	raw	final
Aluminum	200	5.2						
Antimony	6.0	1.6	anr					
Arsenic	3.0	1.3	anr					
Barium	200	.3	anr					
Beryllium	1.0	.2	anr					
Boron	100	1.7						
Cadmium	3.0	.2	anr					
Calcium	5000	36	anr					
Chromium	10	.5	0.0	<10	0.0	<10	0.30	<10
Cobalt	50	.3						
Copper	10	.9	anr					
Iron	100	44	anr					
Lead	3.0	1.2	anr					
Magnesium	5000	29	anr					
Manganese	15	.3	anr					
Molybdenum	20	.2						
Nickel	10	.2	anr					
Palladium	50	3						
Potassium	10000	95	anr					
Selenium	10	2.1	anr					
Silicon	200	9.6						
Silver	10	.5	anr					
Sodium	10000	450	anr					
Strontium	10	.3						
Thallium	2.0	1.3	anr					
Tin	10	.3						
Titanium	10	.6						
Tungsten	50	4.2						
Vanadium	50	.3	anr					
Zinc	20	.7	anr					

(\*) Outside of QC limits  
 (anr) Analyte not requested

5.1.2  
 5

CALIBRATION CHECK STANDARDS SUMMARY  
Initial Continuing Calibration Check

Login Number: JA27477  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: SA091909M1.ICP Date Analyzed: 09/19/09 Methods: EPA 200.7, SW846 6010B  
QC Limits: 95 to 105 % Recovery Run ID: MA23143 Units: ug/l

Time:	12:49
Sample ID: ICCV	ICCV1
Metal	True
Results	% Rec

Aluminum			
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Boron			
Cadmium	anr		
Calcium	anr		
Chromium	2000	1980	99.0
Cobalt			
Copper	anr		
Iron	anr		
Lead	anr		
Magnesium	anr		
Manganese	anr		
Molybdenum			
Nickel	anr		
Palladium			
Potassium	anr		
Selenium	anr		
Silicon			
Silver	anr		
Sodium	anr		
Strontium			
Thallium	anr		
Tin			
Titanium			
Tungsten			
Vanadium	anr		
Zinc	anr		

(\*) Outside of QC limits  
(anr) Analyte not requested

5.1.3  
5

CALIBRATION CHECK STANDARDS SUMMARY  
Initial and Continuing Calibration Checks

Login Number: JA27477  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: SA091909M1.ICP      Date Analyzed: 09/19/09      Methods: EPA 200.7, SW846 6010B  
QC Limits: 95 to 105 % Recovery      Run ID: MA23143      Units: ug/l

Time:	12:19	13:18	14:25
Sample ID:	ICV	CCV	CCV
Metal	ICV1	CCV2	CCV3
	Results	Results	Results
	% Rec	% Rec	% Rec
Aluminum			
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Boron			
Cadmium	anr		
Calcium	anr		
Chromium	1000    993    99.3	2000    1930    96.5	2000    1950    97.5
Cobalt			
Copper	anr		
Iron	anr		
Lead	anr		
Magnesium	anr		
Manganese	anr		
Molybdenum			
Nickel	anr		
Palladium			
Potassium	anr		
Selenium	anr		
Silicon			
Silver	anr		
Sodium	anr		
Strontium			
Thallium	anr		
Tin			
Titanium			
Tungsten			
Vanadium	anr		
Zinc	anr		

(\*) Outside of QC limits  
(anr) Analyte not requested

5.1.4  
5

CALIBRATION CHECK STANDARDS SUMMARY  
Initial and Continuing Calibration Checks

Login Number: JA27477  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: SA091909M1.ICP      Date Analyzed: 09/19/09      Methods: EPA 200.7, SW846 6010B  
QC Limits: 95 to 105 % Recovery      Run ID: MA23143      Units: ug/l

Metal	Sample ID: CCV	Time: 15:33		CCV	Time: 16:34		CCV	Time: 16:59	
		CCV4	Results		CCV5	Results		CCV6	Results
	True		% Rec	True		% Rec	True		% Rec
Aluminum									
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Boron									
Cadmium	anr								
Calcium	anr								
Chromium	2000	1950	97.5	2000	2000	100.0	2000	2040	102.0
Cobalt									
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Potassium	anr								
Selenium	anr								
Silicon									
Silver	anr								
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

(\*) Outside of QC limits  
(anr) Analyte not requested

5.1.4  
5

CALIBRATION CHECK STANDARDS SUMMARY  
Initial and Continuing Calibration Checks

Login Number: JA27477  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: SA091909M1.ICP      Date Analyzed: 09/19/09      Methods: EPA 200.7, SW846 6010B  
QC Limits: 95 to 105 % Recovery      Run ID: MA23143      Units: ug/l

Metal	Sample ID: CCV	18:12		CCV	19:25		CCV	20:39	
		CCV7	Results		CCV8	Results		CCV9	Results
	True		% Rec	True		% Rec	True		% Rec
Aluminum									
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Boron									
Cadmium	anr								
Calcium	anr								
Chromium	2000	2020	101.0	2000	2020	101.0	2000	2070	103.5
Cobalt									
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Potassium	anr								
Selenium	anr								
Silicon									
Silver	anr								
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

(\*) Outside of QC limits  
(anr) Analyte not requested

5.1.4  
5



CALIBRATION CHECK STANDARDS SUMMARY  
Initial and Continuing Calibration Checks

Login Number: JA27477  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: SA091909M1.ICP      Date Analyzed: 09/19/09      Methods: EPA 200.7, SW846 6010B  
QC Limits: 95 to 105 % Recovery      Run ID: MA23143      Units: ug/l

Time:	21:53			23:07			23:31		
Sample ID:	CCV	CCV10	CCV	CCV11	CCV	CCV12	CCV	CCV12	CCV
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Boron									
Cadmium	anr								
Calcium	anr								
Chromium	2000	2020	101.0	2000	2030	101.5	2000	2020	101.0
Cobalt									
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Potassium	anr								
Selenium	anr								
Silicon									
Silver	anr								
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

(\*) Outside of QC limits  
(anr) Analyte not requested

5.1.4  
5

CALIBRATION CHECK STANDARDS SUMMARY  
Initial and Continuing Calibration Checks

Login Number: JA27477  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: SA091909M1.ICP      Date Analyzed: 09/19/09      Methods: EPA 200.7, SW846 6010B  
QC Limits: 95 to 105 % Recovery      Run ID: MA23143      Units: ug/l

Metal	Sample ID:	Time: 00:45		Time: 01:59		Time: 03:13			
		CCV	CCV13	CCV	CCV14	CCV	CCV15		
	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Boron									
Cadmium	anr								
Calcium	anr								
Chromium	2000	1990	99.5	2000	2030	101.5	2000	2020	101.0
Cobalt									
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Potassium	anr								
Selenium	anr								
Silicon									
Silver	anr								
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

(\*) Outside of QC limits  
(anr) Analyte not requested

5.1.4  
5

CALIBRATION CHECK STANDARDS SUMMARY  
Initial and Continuing Calibration Checks

Login Number: JA27477  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: SA091909M1.ICP      Date Analyzed: 09/19/09      Methods: EPA 200.7, SW846 6010B  
QC Limits: 95 to 105 % Recovery      Run ID: MA23143      Units: ug/l

Time:	04:27			05:28			05:53		
Sample ID:	CCV	CCV16		CCV	CCV17		CCV	CCV18	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Boron									
Cadmium	anr								
Calcium	anr								
Chromium	2000	2030	101.5	2000	2040	102.0	2000	2040	102.0
Cobalt									
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Potassium	anr								
Selenium	anr								
Silicon									
Silver	anr								
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

(\*) Outside of QC limits  
(anr) Analyte not requested

5.1.4  
5

HIGH STANDARD CHECK SUMMARY

Login Number: JA27477  
 Account: HWINJM - Honeywell International Inc.  
 Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: SA091909M1.ICP Date Analyzed: 09/19/09 Methods: EPA 200.7, SW846 6010B  
 QC Limits: 95 to 105 % Recovery Run ID: MA23143 Units: ug/l

Time:	11:46			11:57		
Sample ID:	HSTD	HSTD1		HSTD	HSTD2	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum						
Antimony	anr					
Arsenic	anr					
Barium	anr					
Beryllium	anr					
Boron						
Cadmium	anr					
Calcium	anr					
Chromium	4000	3860	96.5	4000	3950	98.8
Cobalt						
Copper	anr					
Iron	anr					
Lead	anr					
Magnesium	anr					
Manganese	anr					
Molybdenum						
Nickel	anr					
Palladium						
Potassium	anr					
Selenium	anr					
Silicon						
Silver	anr					
Sodium	anr					
Strontium						
Thallium	anr					
Tin						
Titanium						
Tungsten						
Vanadium	anr					
Zinc	anr					

(\*) Outside of QC limits  
 (anr) Analyte not requested

5.1.5  
5

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JA27477  
 Account: HWINJM - Honeywell International Inc.  
 Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: SA091909M1.ICP Date Analyzed: 09/19/09 Methods: EPA 200.7, SW846 6010B  
 QC Limits: 50 to 150 % Recovery Run ID: MA23143 Units: ug/l

Time:					12:11	
Sample ID:	CRI	CRIA	CRID	CRID1	Results	% Rec
Metal	True	True	True			
Aluminum			100			
Antimony	120		3.0	anr		
Arsenic	20	3.0	3.0	anr		
Barium	400		4.0	anr		
Beryllium	10	1.0	1.0	anr		
Boron			10			
Cadmium	10		1.0	anr		
Calcium			1000	anr		
Chromium	20		2.0	2.0	100.0	
Cobalt	100		3.0			
Copper	50		2.0	anr		
Iron						
Lead	6.0		2.5	anr		
Magnesium			100	anr		
Manganese	30		3.0	anr		
Molybdenum	40					
Nickel	80		4.0	anr		
Palladium	100					
Potassium			2000	anr		
Selenium	10		5.0	anr		
Silicon						
Silver	20		1.0	anr		
Sodium			1000	anr		
Strontium						
Thallium	20	2.0	2.0	anr		
Tin						
Titanium						
Tungsten	50					
Vanadium	100		2.0	anr		
Zinc	40		10	anr		

(\*) Outside of QC limits  
 (anr) Analyte not requested

5.1.6  
5

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JA27477  
 Account: HWINJM - Honeywell International Inc.  
 Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: SA091909M1.ICP Date Analyzed: 09/19/09 Methods: EPA 200.7, SW846 6010B  
 QC Limits: 50 to 150 % Recovery Run ID: MA23143 Units: ug/l

Metal	Time:	Sample ID:	CRIB	12:05	CRIB1	Results	% Rec
Aluminum	200						
Antimony	6.0						
Arsenic	8.0						
Barium	200						
Beryllium	5.0						
Boron	100						
Cadmium	3.0						
Calcium	5000						
Chromium	10	9.9	99.0				
Cobalt	50						
Copper	10						
Iron	100						
Lead	3.0						
Magnesium	5000						
Manganese	15						
Molybdenum	20						
Nickel	10						
Palladium	50						
Potassium	10000						
Selenium	10						
Silicon	200						
Silver	10						
Sodium	10000						
Strontium	10						
Thallium	10						
Tin	10						
Titanium	10						
Tungsten	50						
Vanadium	50						
Zinc	20						

(\*) Outside of QC limits  
 (anr) Analyte not requested

5.17  
 5

INTERFERING ELEMENT CHECK STANDARDS SUMMARY  
Part 1 - ICSA and ICSAB Standards

Login Number: JA27477  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: SA091909M1.ICP      Date Analyzed: 09/19/09      Methods: EPA 200.7, SW846 6010B  
QC Limits: 80 to 120 % Recovery      Run ID: MA23143      Units: ug/l

Metal	Time:		13:05		13:12		16:47		16:53	
	Sample ID:	ICSAB	ICSAL	% Rec	ICSAB1	% Rec	ICSA2	% Rec	ICSAB2	% Rec
Aluminum	500000	500000	509000	101.8	512000	102.4	502000	100.4	498000	99.6
Antimony		1000	0.40		1070	107.0	-0.20		1030	103.0
Arsenic		1000	-0.70		1050	105.0	0.30		1020	102.0
Barium		500	1.5		530	106.0	1.4		516	103.2
Beryllium		500	0.0		512	102.4	-0.10		506	101.2
Boron			-0.20		0.50		-1.6		-1.2	
Cadmium		1000	-0.40		1090	109.0	-0.40		1070	107.0
Calcium	400000	400000	378000	94.5	385000	96.3	389000	97.3	389000	97.3
Chromium		500	0.0		487	97.4	0.10		493	98.6
Cobalt		500	1.9		501	100.2	1.4		495	99.0
Copper		500	-0.80		502	100.4	-2.2		472	94.4
Iron	200000	200000	195000	97.5	203000	101.5	197000	98.5	203000	101.5
Lead		1000	2.6		983	98.3	0.70		981	98.1
Magnesium	500000	500000	520000	104.0	522000	104.4	536000	107.2	530000	106.0
Manganese		500	0.60		520	104.0	0.40		525	105.0
Molybdenum		500	-2.8		497	99.4	-3.4		488	97.6
Nickel		1000	1.0		961	96.1	2.0		953	95.3
Palladium		500	3.5		555	111.0	5.3		527	105.4
Potassium			415		365		437		244	
Selenium		1000	-1.0		1050	105.0	-1.2		1010	101.0
Silicon			12.5		4.7		15.6		5.0	
Silver		1000	-0.30		1100	110.0	-0.90		1060	106.0
Sodium			163		189		490		432	
Strontium			5.9		5.9		5.8		5.8	
Thallium		1000	0.80		980	98.0	-0.70		1000	100.0
Tin			-5.7		-7.0		-7.4		-5.8	
Titanium			3.1		3.6		2.8		3.5	
Tungsten		500								
Vanadium		500	3.2		515	103.0	3.5		493	98.6
Zinc		1000	-6.6		956	95.6	-7.4		991	99.1

(\*) Outside of QC limits  
(anr) Analyte not requested

5.1.8  
5

INTERFERING ELEMENT CHECK STANDARDS SUMMARY  
Part 1 - ICSA and ICSAB Standards

Login Number: JA27477  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: SA091909M1.ICP Date Analyzed: 09/19/09 Methods: EPA 200.7, SW846 6010B  
QC Limits: 80 to 120 % Recovery Run ID: MA23143 Units: ug/l

Time:			23:19			23:25			05:41			05:47
Sample ID:	ICSA	ICSAB	ICSA3	% Rec	ICSAB3	% Rec	ICSA4	% Rec	ICSAB4	% Rec		
Metal	True	True	Results		Results		Results		Results			
Aluminum	500000	500000	505000	101.0	513000	102.6	502000	100.4	508000	101.6		
Antimony		1000	4.1		1040	104.0	0.90		1060	106.0		
Arsenic		1000	-1.6		1040	104.0	-0.40		1040	104.0		
Barium		500	1.1		517	103.4	1.5		527	105.4		
Beryllium		500	0.0		516	103.2	0.0		513	102.6		
Boron			-1.5		-1.6		-2.7		-2.8			
Cadmium		1000	0.0		1080	108.0	-0.40		1100	110.0		
Calcium	400000	400000	387000	96.8	391000	97.8	380000	95.0	383000	95.8		
Chromium		500	0.10		505	101.0	0.60		501	100.2		
Cobalt		500	1.2		501	100.2	1.8		502	100.4		
Copper		500	0.50		485	97.0	0.30		503	100.6		
Iron	200000	200000	199000	99.5	206000	103.0	195000	97.5	203000	101.5		
Lead		1000	-0.50		987	98.7	1.5		983	98.3		
Magnesium	500000	500000	536000	107.2	535000	107.0	522000	104.4	524000	104.8		
Manganese		500	0.40		497	99.4	0.50		490	98.0		
Molybdenum		500	-3.7		500	100.0	-3.5		503	100.6		
Nickel		1000	0.40		972	97.2	0.40		969	96.9		
Palladium		500	2.0		535	107.0	3.2		555	111.0		
Potassium			253		160		286		173			
Selenium		1000	1.6		1040	104.0	1.2		1050	105.0		
Silicon			13.5		3.4		13.1		0.70			
Silver		1000	0.70		1080	108.0	1.1		1090	109.0		
Sodium			320		326		375		415			
Strontium			5.7		5.7		5.8		5.7			
Thallium		1000	1.9		1000	100.0	1.6		969	96.9		
Tin			-6.2		-7.0		-6.2		-6.2			
Titanium			2.8		3.3		2.5		3.0			
Tungsten		500										
Vanadium		500	-0.40		532	106.4	0.50		526	105.2		
Zinc		1000	-6.1		993	99.3	-6.8		957	95.7		

(\*) Outside of QC limits  
(anr) Analyte not requested



BLANK RESULTS SUMMARY  
Part 2 - Method Blanks

Login Number: JA27477  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

QC Batch ID: MP49677  
Matrix Type: AQUEOUS

Methods: SW846 6010B  
Units: ug/l

Prep Date: 09/18/09

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	5.2	26		
Antimony	6.0	1.6	2.9		
Arsenic	3.0	1.3	2.4		
Barium	200	.3	1.3		
Beryllium	1.0	.2	.4		
Boron	100	1.7	3.5		
Cadmium	3.0	.2	.4		
Calcium	5000	36	22		
Chromium	10	.5	.9	-0.30	<10
Cobalt	50	.3	1.6		
Copper	10	.9	1.6		
Iron	100	44	12		
Lead	3.0	1.2	1.7		
Magnesium	5000	29	37		
Manganese	15	.3	.5		
Molybdenum	20	.2	1		
Nickel	10	.2	.6		
Palladium	50	3	3.2		
Potassium	10000	95	170		
Selenium	10	2.1	3.7		
Silicon	200	9.6	38		
Silver	10	.5	1		
Sodium	10000	450	19		
Strontium	10	.3	.5		
Thallium	2.0	1.3	1.5		
Tin	10	.3	2.1		
Titanium	10	.6	.6		
Tungsten	50	4.2	6.8		
Vanadium	50	.3	.9		
Zinc	20	.7	2.9		

Associated samples MP49677: JA27477-1, JA27477-2, JA27477-3, JA27477-4, JA27477-5, JA27477-6, JA27477-7, JA27477-8, JA27477-1F, JA27477-2F, JA27477-3F, JA27477-4F, JA27477-5F, JA27477-6F, JA27477-7F

Results < IDL are shown as zero for calculation purposes  
(\* ) Outside of QC limits  
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JA27477  
 Account: HWINJM - Honeywell International Inc.  
 Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

QC Batch ID: MP49677  
 Matrix Type: AQUEOUS

Methods: SW846 6010B  
 Units: ug/l

Prep Date: 09/18/09

Metal	JA27477-3F		SpikeLot		QC
	Original MS		MPIRW1	% Rec	Limits
Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Boron					
Cadmium					
Calcium					
Chromium	1.3	194	200	96.4	75-125
Cobalt					
Copper					
Iron	anr				
Lead	anr				
Magnesium					
Manganese					
Molybdenum					
Nickel					
Palladium					
Potassium					
Selenium					
Silicon					
Silver					
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Tungsten					
Vanadium					
Zinc					

Associated samples MP49677: JA27477-1, JA27477-2, JA27477-3, JA27477-4, JA27477-5, JA27477-6, JA27477-7, JA27477-8, JA27477-1F, JA27477-2F, JA27477-3F, JA27477-4F, JA27477-5F, JA27477-6F, JA27477-7F

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (N) Matrix Spike Rec. outside of QC limits

5.2.2  
 5

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JA27477

Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

QC Batch ID: MP49677  
Matrix Type: AQUEOUS

Methods: SW846 6010B  
Units: ug/l

Prep Date:

Metal

(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JA27477  
 Account: HWINJM - Honeywell International Inc.  
 Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

QC Batch ID: MP49677  
 Matrix Type: AQUEOUS

Methods: SW846 6010B  
 Units: ug/l

Prep Date: 09/18/09

Metal	JA27477-3F		SpikeLot		MSD RPD	QC Limit
	Original	MSD	MPIRW1	% Rec		
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Boron						
Cadmium						
Calcium						
Chromium	1.3	195	200	96.9	0.5	20
Cobalt						
Copper						
Iron	anr					
Lead	anr					
Magnesium						
Manganese						
Molybdenum						
Nickel						
Palladium						
Potassium						
Selenium						
Silicon						
Silver						
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Tungsten						
Vanadium						
Zinc						

Associated samples MP49677: JA27477-1, JA27477-2, JA27477-3, JA27477-4, JA27477-5, JA27477-6, JA27477-7, JA27477-8, JA27477-1F, JA27477-2F, JA27477-3F, JA27477-4F, JA27477-5F, JA27477-6F, JA27477-7F

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (N) Matrix Spike Rec. outside of QC limits

5.2.2  
 5

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JA27477

Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

QC Batch ID: MP49677  
Matrix Type: AQUEOUS

Methods: SW846 6010B  
Units: ug/l

Prep Date:

Metal

(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JA27477  
 Account: HWINJM - Honeywell International Inc.  
 Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

QC Batch ID: MP49677  
 Matrix Type: AQUEOUS

Methods: SW846 6010B  
 Units: ug/l

Prep Date: 09/18/09

Metal	JA27477-3		Spike/lot		QC
	Original	MS	MPIR	W1	Limits
Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Boron					
Cadmium					
Calcium					
Chromium	15.5	204	200	94.3	75-125
Cobalt					
Copper					
Iron	anr				
Lead	anr				
Magnesium					
Manganese					
Molybdenum					
Nickel					
Palladium					
Potassium					
Selenium					
Silicon					
Silver					
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Tungsten					
Vanadium					
Zinc					

Associated samples MP49677: JA27477-1, JA27477-2, JA27477-3, JA27477-4, JA27477-5, JA27477-6, JA27477-7, JA27477-8, JA27477-1F, JA27477-2F, JA27477-3F, JA27477-4F, JA27477-5F, JA27477-6F, JA27477-7F

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (N) Matrix Spike Rec. outside of QC limits

5.2.2  
 5

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JA27477

Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

QC Batch ID: MP49677  
Matrix Type: AQUEOUS

Methods: SW846 6010B  
Units: ug/l

Prep Date:

Metal

(anr) Analyte not requested

5.2.2

5

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JA27477  
 Account: HWINJM - Honeywell International Inc.  
 Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

QC Batch ID: MP49677  
 Matrix Type: AQUEOUS

Methods: SW846 6010B  
 Units: ug/l

Prep Date: 09/18/09

Metal	JA27477-3		SpikeLot		MSD RPD	QC Limit
	Original	MSD	MPIRW1	% Rec		
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Boron						
Cadmium						
Calcium						
Chromium	15.5	203	200	93.8	0.5	20
Cobalt						
Copper						
Iron	anr					
Lead	anr					
Magnesium						
Manganese						
Molybdenum						
Nickel						
Palladium						
Potassium						
Selenium						
Silicon						
Silver						
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Tungsten						
Vanadium						
Zinc						

Associated samples MP49677: JA27477-1, JA27477-2, JA27477-3, JA27477-4, JA27477-5, JA27477-6, JA27477-7, JA27477-8, JA27477-1F, JA27477-2F, JA27477-3F, JA27477-4F, JA27477-5F, JA27477-6F, JA27477-7F

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (N) Matrix Spike Rec. outside of QC limits

5.2.2  
 5



MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JA27477

Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

QC Batch ID: MP49677  
Matrix Type: AQUEOUS

Methods: SW846 6010B  
Units: ug/l

Prep Date:

Metal

(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JA27477  
 Account: HWINJM - Honeywell International Inc.  
 Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

QC Batch ID: MP49677  
 Matrix Type: AQUEOUS

Methods: SW846 6010B  
 Units: ug/l

Prep Date: 09/18/09

Metal	LCS Result	Spikelot MPLCW3	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium				
Chromium	507	500	101.4	80-120
Cobalt				
Copper				
Iron	anr			
Lead	anr			
Magnesium				
Manganese				
Molybdenum				
Nickel				
Palladium				
Potassium				
Selenium				
Silicon				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Tungsten				
Vanadium				
Zinc				

Associated samples MP49677: JA27477-1, JA27477-2, JA27477-3, JA27477-4, JA27477-5, JA27477-6, JA27477-7, JA27477-8, JA27477-1F, JA27477-2F, JA27477-3F, JA27477-4F, JA27477-5F, JA27477-6F, JA27477-7F

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: JA27477  
 Account: HWINJM - Honeywell International Inc.  
 Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

QC Batch ID: MP49677  
 Matrix Type: AQUEOUS

Methods: SW846 6010B  
 Units: ug/l

Prep Date: 09/18/09 09/18/09

Metal	JA27477-3F			QC Limits	JA27477-3			QC Limits
	Original	SDL 1:5	%DIF		Original	SDL 1:5	%DIF	
Aluminum								
Antimony								
Arsenic								
Barium								
Beryllium								
Boron								
Cadmium								
Calcium								
Chromium	1.30	0.00	100.0(a)	0-10	15.5	15.3	1.3	0-10
Cobalt								
Copper								
Iron	anr							
Lead	anr							
Magnesium								
Manganese								
Molybdenum								
Nickel								
Palladium								
Potassium								
Selenium								
Silicon								
Silver								
Sodium								
Strontium								
Thallium								
Tin								
Titanium								
Tungsten								
Vanadium								
Zinc								

Associated samples MP49677: JA27477-1, JA27477-2, JA27477-3, JA27477-4, JA27477-5, JA27477-6, JA27477-7, JA27477-8, JA27477-1F, JA27477-2F, JA27477-3F, JA27477-4F, JA27477-5F, JA27477-6F, JA27477-7F

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (anr) Analyte not requested

5.2.4  
**5**

SERIAL DILUTION RESULTS SUMMARY

Login Number: JA27477  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

QC Batch ID: MP49677  
Matrix Type: AQUEOUS

Methods: SW846 6010B  
Units: ug/l

Prep Date:

Metal

(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

5.2.4

5

# Instrument Detection Limits

**Job Number:** JA27477

**Account:** HWINJM Honeywell International Inc.

**Project:** HLANJPR: SA-5 Site 117, Jersey City, NJ

**Instrument ID:** SSTRACE1

**Effective Date:** 09/15/09

Analyte	IDL ug/l
Aluminum	5.2
Antimony	1.6
Arsenic	1.3
Barium	.3
Beryllium	.2
Boron	1.7
Cadmium	.2
Calcium	35.6
Chromium	.5
Cobalt	.3
Copper	.9
Iron	44.2
Lead	1.2
Magnesium	28.9
Manganese	.3
Molybdenum	.2
Nickel	.2
Palladium	3
Potassium	95.1
Selenium	2.1
Silicon	9.6
Silver	.5
Sodium	448.6
Strontium	.3
Thallium	1.3
Tin	.3
Titanium	.6
Tungsten	4.2
Vanadium	.3
Zinc	.7

The above applies to the following instrument runs:  
MA23143

# Instrument Linear Ranges

**Job Number:** JA27477  
**Account:** HWINJM Honeywell International Inc.  
**Project:** HLANJPR: SA-5 Site 117, Jersey City, NJ

<b>Instrument ID:</b> SSTRACE1	<b>Effective Date:</b> 09/15/09
--------------------------------	---------------------------------

Analyte	Linear Range ug/l
Aluminum	1000000
Antimony	50000
Arsenic	10000
Barium	50000
Beryllium	50000
Boron	50000
Cadmium	10000
Calcium	1000000
Chromium	50000
Cobalt	50000
Copper	50000
Iron	500000
Lead	50000
Magnesium	1000000
Manganese	25000
Molybdenum	50000
Nickel	50000
Palladium	50000
Potassium	500000
Selenium	50000
Silicon	50000
Silver	2000
Sodium	500000
Strontium	50000
Thallium	50000
Tin	50000
Titanium	50000
Tungsten	50000
Vanadium	50000
Zinc	25000

The above applies to the following instrument runs:  
MA23143

5.3  
5



## Metals Analysis

Raw Data

Sample Name: StdA Acquired: 9/19/2009 10:57:55 Type: Cal  
 Method: Accutest1(v164) Mode: IR Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0014	.0012	-.0016	.0021	.0001	.0027	.0000	.0045	-.0001
Stddev	.0001	.0000	.0001	.0002	.0000	.0001	.0000	.0002	.0000
%RSD	4.239	.9928	6.832	8.441	20.33	2.630	596.4	3.450	30.54

#1	.0014	.0012	-.0015	.0020	.0001	.0028	.0000	.0044	-.0001
#2	.0014	.0012	-.0017	.0023	.0001	.0027	.0000	.0046	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0002	-.0002	.0002	.0001	-.0006	.0002	-.0002	-.0002	.0077
Stddev	.0000	.0001	.0000	.0001	.0001	.0000	.0002	.0001	.0000
%RSD	1.436	59.20	9.309	76.57	20.59	18.69	102.1	53.78	.4365

#1	-.0002	-.0002	.0002	.0001	-.0005	.0002	-.0004	-.0002	.0077
#2	-.0002	-.0001	.0002	.0000	-.0007	.0002	-.0001	-.0001	.0077

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0000	-.0001	-.0007	.0042	.0001	-.0001	-.0001	.0034	-.0001
Stddev	.0000	.0000	.0003	.0000	.0000	.0000	.0000	.0003	.0001
%RSD	30.61	25.27	37.51	.6719	7.156	44.08	16.39	7.720	76.90

#1	.0000	-.0001	-.0009	.0042	.0001	-.0000	-.0001	.0032	.0000
#2	.0000	-.0001	-.0005	.0041	.0001	-.0001	-.0001	.0036	-.0002

Elem	Sr4077	Ti3349	W_2079
Units	Cts/S	Cts/S	Cts/S
Avg	-.0026	-.0001	.0022
Stddev	.0002	.0000	.0002
%RSD	6.281	17.74	7.531

#1	-.0025	-.0001	.0023
#2	-.0027	-.0001	.0021

Raw Data MA23143 page 1 of 245

Sample Name: StdA Acquired: 9/19/2009 10:57:55 Type: Cal  
 Method: Accutest1(v164) Mode: IR Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	108400.	18430.	2269.3	5074.6
Stddev	218.	69.	70.9	149.4
%RSD	.20091	.37477	3.1238	2.9446

#1	108550.	18478.	2319.4	5180.2
#2	108240.	18381.	2219.2	4968.9

Raw Data MA23143 page 2 of 245

6.1  
6

Sample Name: STDB Acquired: 9/19/2009 11:04:06 Type: Cal  
 Method: Accutest1(v164) Mode: IR Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6.553	7.777	4.181	4.282	3.704	.8886	2.008	4.376	.0742
Stddev	.000	.005	.007	.010	.0001	.0050	.011	.009	.0001
%RSD	.0004	.0614	.1645	.2345	.0344	.5590	.5340	.2124	.0696

#1	6.553	7.781	4.186	4.289	.3705	.8851	2.000	4.383	.0742
#2	6.553	7.774	4.176	4.275	.3703	.8921	2.015	4.370	.0742

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.5306	3.631	.5931	2.409	1.666	.3605	.9300	2.329	4.629
Stddev	.0007	.000	.0005	.0011	.003	.0001	.0020	.001	.005
%RSD	.1394	.0079	.0917	.4617	.1739	.0203	.2128	.0202	.1019

#1	.5301	3.631	.5935	2.401	1.668	.3606	.9314	2.330	4.626
#2	.5311	3.631	.5928	2.417	1.664	.3605	.9286	2.329	4.632

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.285	.4163	1.437	5.202	.8878	4.668	.1730	2.423	.7695
Stddev	.002	.0002	.002	.009	.0001	.005	.0009	.007	.0009
%RSD	.0454	.0589	.1225	.1726	.0132	.1030	.5475	.3021	.1142

#1	3.283	.4165	1.438	5.209	.8878	4.672	.1723	2.428	.7701
#2	3.286	.4161	1.435	5.196	.8877	4.665	.1736	2.418	.7689

Elem	Sr4077	Ti3349	W_2079
Units	Cts/S	Cts/S	Cts/S
Avg	11.07	.7097	1.428
Stddev	.00	.0009	.011
%RSD	.0145	.1287	.7630

#1	11.07	.7091	1.420
#2	11.07	.7104	1.436

Raw Data MA23143 page 3 of 245

Sample Name: STDB Acquired: 9/19/2009 11:04:06 Type: Cal  
 Method: Accutest1(v164) Mode: IR Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	103180.	17904.	2129.4	4502.5
Stddev	51.	38.	4.5	2.6
%RSD	.04904	.20958	.20969	.05802

#1	103140.	17931.	2126.3	4500.7
#2	103210.	17878.	2132.6	4504.4

Raw Data MA23143 page 4 of 245



Sample Name: CCV Acquired: 9/19/2009 11:10:16 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.014	2.040	2.010	2.032	2.007	1.963	2.081	2.039	2.468
Stddev	.024	.025	.002	.002	.013	.010	.012	.000	.0017
%RSD	1.181	1.227	.1153	.1181	.6577	.4944	.5543	.0151	.6902
#1	2.031	2.058	2.012	2.034	2.017	1.970	2.089	2.038	2.480
#2	1.997	2.023	2.008	2.031	1.998	1.956	2.073	2.039	2.456

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 Value Range

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.998	2.042	1.993	2.031	2.037	1.995	1.986	40.33	40.73
Stddev	.016	.002	.002	.016	.005	.001	.004	.40	.46
%RSD	.7858	.0745	.0851	.8095	.2596	.0491	.1777	.9846	1.122
#1	2.009	2.041	1.992	2.019	2.040	1.994	1.989	40.61	41.05
#2	1.987	2.043	1.995	2.043	2.033	1.995	1.984	40.05	40.41

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 Value Range

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	40.80	40.45	40.36	40.66	2.011	2.018	1.968	5.024	2.041
Stddev	.46	.41	.31	.37	.006	.003	.013	.018	.001
%RSD	1.132	1.016	.7651	.9174	.2984	.1315	.6660	.3617	.0283
#1	41.13	40.74	40.58	40.93	2.015	2.017	1.977	5.037	2.042
#2	40.47	40.16	40.15	40.40	2.007	2.020	1.958	5.011	2.041

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 Value Range

Sample Name: CCV Acquired: 9/19/2009 11:10:16 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Sr4077	Tl3349	W_2079
Units	ppm	ppm	ppm
Avg	2.046	2.011	2.058
Stddev	.026	.014	.009
%RSD	1.273	.6966	.4471
#1	2.065	2.021	2.051
#2	2.028	2.001	2.064

Check ? Chk Pass Chk Pass Chk Pass  
 Value Range

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	104660.	17765.	2173.0	4668.5
Stddev	522.	120.	.9	6.6
%RSD	.49905	.67459	.04110	.14078
#1	104300.	17680.	2173.7	4673.1
#2	105030.	17850.	2172.4	4663.8

6.1  
6

Sample Name: CCB Acquired: 9/19/2009 11:16:15 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0004	.0006	.0005	.0003	.0004	.0004	.0005	.0001
Stddev	.0001	.0000	.0000	.0001	.0001	.0004	.0001	.0002	.0003
%RSD	28.08	1.942	1.469	28.11	35.10	92.33	14.90	44.01	407.6
#1	.0003	.0004	.0006	.0004	.0004	.0007	.0005	.0003	.0003
#2	.0004	.0004	.0006	.0006	.0003	.0001	.0004	.0006	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010	.0006	.0010	.0011	.0008	.0014	.0002	.0099	.0103
Stddev	.0002	.0002	.0002	.0001	.0015	.0002	.0000	.0032	.0019
%RSD	19.84	40.47	18.87	12.17	187.9	14.40	7.811	32.61	18.28
#1	.0009	.0004	.0009	.0010	.0018	.0015	.0002	.0076	.0117
#2	.0012	.0007	.0011	.0012	.0003	.0013	.0002	.0122	.0090

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0105	.0108	.1961	.0183	.0022	F .0022	.0004	.0017	F .0013
Stddev	.0009	.0040	.0120	.0025	.0001	.0001	.0017	.0002	.0001
%RSD	8.156	36.97	6.097	13.74	2.796	4.983	424.1	8.821	5.406
#1	.0099	.0136	.1877	.0166	.0023	.0023	.0008	.0018	.0013
#2	.0111	.0080	.2046	.0201	.0022	.0021	.0016	.0016	.0012

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Fail  
 High Limit  
 Low Limit

Sample Name: CCB Acquired: 9/19/2009 11:16:15 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Sr4077	Tl3349	W_2079
Units	ppm	ppm	ppm
Avg	.0005	.0006	F .0433
Stddev	.0001	.0000	.0032
%RSD	27.93	.5123	7.306
#1	.0004	.0006	.0455
#2	.0006	.0006	.0410

Check ? Chk Pass Chk Pass Chk Fail  
 High Limit  
 Low Limit

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	108200.	18395.	2232.1	4987.3
Stddev	563.	112.	17.0	39.9
%RSD	.52076	.60690	.76382	.79973
#1	108590.	18316.	2244.1	5015.5
#2	107800.	18474.	2220.0	4959.1

Sample Name: StdA Acquired: 9/19/2009 11:24:01 Type: Cal  
 Method: Accutest1(v164) Mode: IR Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0017	.0017	-.0013	.0023	.0001	.0028	.0001	.0049	-.0001
Stddev	.0001	.0001	.0001	.0001	.0000	.0000	.0000	.0003	.0001
%RSD	4.006	5.360	11.92	4.782	23.49	1.527	10.72	5.155	44.81

#1	.0017	.0017	-.0014	.0022	.0001	.0028	.0001	.0051	-.0001
#2	.0018	.0018	-.0011	.0024	.0001	.0027	.0001	.0047	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0001	.0003	.0002	.0001	-.0008	.0003	-.0001	.0002	.0079
Stddev	.0000	.0001	.0000	.0000	.0001	.0001	.0003	.0001	.0001
%RSD	8.282	30.60	6.212	3.282	15.96	14.99	204.5	30.42	1.135

#1	-.0001	.0002	.0002	.0001	-.0009	.0003	-.0004	.0002	.0079
#2	-.0001	.0003	.0001	.0001	-.0007	.0004	.0001	.0001	.0080

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0002	-.0001	.0008	.0045	.0004	.0008	.0000	.0036	.0000
Stddev	.0000	.0001	.0000	.0001	.0001	.0001	.000	.0000	.0001
%RSD	7.006	169.9	1.073	1.809	16.51	16.42	1324.	.2315	132.4

#1	.0002	.0000	.0008	.0044	.0004	.0009	-.0001	.0036	.0000
#2	.0002	-.0002	.0008	.0045	.0003	.0007	.0001	.0037	.0001

Elem	Sr4077	Ti3349	W_2079
Units	Cts/S	Cts/S	Cts/S
Avg	-.0019	-.0001	.0104
Stddev	.0001	.0000	.0002
%RSD	7.429	33.70	1.951

#1	-.0021	.0000	.0103
#2	-.0018	-.0001	.0106

Sample Name: StdA Acquired: 9/19/2009 11:24:01 Type: Cal  
 Method: Accutest1(v164) Mode: IR Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	108620.	18266.	2256.2	5040.8
Stddev	5366.	333.	78.9	168.1
%RSD	4.9403	1.8218	3.4979	3.3342

#1	112410.	18031.	2312.0	5159.7
#2	104820.	18501.	2200.4	4922.0

Sample Name: STDB Acquired: 9/19/2009 11:31:00 Type: Cal  
 Method: Accutest1(v164) Mode: IR Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6.520	7.702	4.169	4.259	.3689	.8869	2.020	4.352	0.740
Stddev	.144	.167	.076	.077	.0002	.0036	.008	.081	.0003
%RSD	2.215	2.169	1.831	1.815	.0493	.4078	.3758	1.862	.3490

#1	6.418	7.584	4.223	4.314	.3688	.8894	2.026	4.409	0.742
#2	6.623	7.820	4.115	4.204	.3691	.8843	2.015	4.294	0.738

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.5240	3.617	.5903	2.419	1.661	.3603	.9287	2.313	4.603
Stddev	.0008	.073	.0100	.0049	.030	.0062	.0165	.051	.095
%RSD	.1580	2.031	1.698	2.030	1.812	1.709	1.777	2.195	2.072

#1	.5246	3.668	.5974	2.454	1.682	.3646	.9404	2.277	4.535
#2	.5234	3.565	.5832	2.384	1.639	.3559	.9170	2.349	4.670

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.261	.4150	1.424	5.168	.8857	4.655	.1728	2.427	.7666
Stddev	.070	.0089	.027	.102	.0135	.086	.0005	.039	.0148
%RSD	2.135	2.136	1.918	1.981	1.525	1.850	.3045	1.616	1.935

#1	3.212	.4087	1.404	5.095	.8953	4.716	.1731	2.455	.7771
#2	3.310	.4212	1.443	5.240	.8762	4.595	.1724	2.399	.7561

Elem	Sr4077	Ti3349	W_2079
Units	Cts/S	Cts/S	Cts/S
Avg	10.96	.7063	1.462
Stddev	.16	.0027	.019
%RSD	1.424	.3768	1.278

#1	10.85	.7082	1.475
#2	11.07	.7044	1.449

Sample Name: STDB Acquired: 9/19/2009 11:31:00 Type: Cal  
 Method: Accutest1(v164) Mode: IR Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	102840.	17843.	2129.3	4495.5
Stddev	126.	253.	31.7	67.5
%RSD	.12247	1.4153	1.4900	1.5025

#1	102750.	18022.	2106.9	4447.8
#2	102930.	17665.	2151.8	4543.3

Sample Name: STDB Acquired: 9/19/2009 11:37:01 Type: Cal  
 Method: Accutest1(v164) Mode: IR Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6.510	7.702	4.163	4.260	3.746	9.032	2.050	4.350	0.755
Stddev	.077	.084	.063	.065	.0110	.0214	.048	.061	.0018
%RSD	1.187	1.096	1.516	1.526	2.924	2.366	2.352	1.410	2.433
#1	6.565	7.762	4.207	4.306	.3669	.8881	2.016	4.394	.0742
#2	6.456	7.643	4.118	4.214	.3824	.9183	2.084	4.307	.0768

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.5332	3.622	.5905	.2413	1.660	.3595	.9276	2.324	4.604
Stddev	.0131	.051	.0092	.0031	.023	.0049	.0152	.018	.048
%RSD	2.463	1.423	1.550	1.279	1.373	1.354	1.635	.7733	1.033
#1	.5239	3.658	.5969	.2435	1.676	.3629	.9383	2.337	4.638
#2	.5425	3.585	.5840	.2391	1.644	.3560	.9169	2.311	4.571

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.259	.4136	1.426	5.162	.8863	4.644	.1755	2.444	.7674
Stddev	.035	.0047	.008	.044	.0134	.068	.0043	.039	.0112
%RSD	1.088	1.147	.5612	.8520	1.513	1.467	2.437	1.586	1.465
#1	3.284	.4169	1.432	5.194	.8958	4.692	.1725	2.472	.7754
#2	3.234	.4102	1.420	5.131	.8769	4.596	.1785	2.417	.7595

Elem	Sr4077	Ti3349	W_2079
Units	Cts/S	Cts/S	Cts/S
Avg	10.85	.7206	1.518
Stddev	.12	.0180	.018
%RSD	1.088	2.500	1.151
#1	10.93	.7079	1.531
#2	10.76	.7333	1.506

Sample Name: STDB Acquired: 9/19/2009 11:37:01 Type: Cal  
 Method: Accutest1(v164) Mode: IR Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	101320	17794	2129.6	4485.9
Stddev	2240	108	26.8	48.8
%RSD	2.2109	.60584	1.2573	1.0881
#1	102910	17718	2110.7	4451.4
#2	99738	17871	2148.6	4520.5

Sample Name: HSTD Acquired: 9/19/2009 11:46:56 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.871	3.873	4.051	4.058	3.862	3.836	3.843	4.062	4.797
Stddev	.135	.133	.001	.003	.007	.004	.003	.004	.0018
%RSD	3.481	3.435	.0235	.0828	.1868	.1169	.0731	.1086	.3778
#1	3.966	3.968	4.051	4.056	3.867	3.839	3.841	4.059	4.810
#2	3.775	3.779	4.052	4.061	3.857	3.833	3.845	4.065	4.785

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 Value Range

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.841	4.076	4.056	4.069	4.058	4.045	4.045	76.68	77.62
Stddev	.013	.012	.002	.005	.003	.003	.001	2.71	2.48
%RSD	.3308	.2850	.0450	.1235	.0733	.0800	.0285	3.539	3.200
#1	3.850	4.068	4.055	4.073	4.056	4.043	4.045	78.60	79.38
#2	3.832	4.084	4.058	4.066	4.060	4.047	4.044	74.76	75.86

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 Value Range

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	77.39	77.84	76.79	77.24	4.037	4.065	3.843	10.01	4.055
Stddev	2.63	2.53	2.45	2.55	.002	.003	.010	.00	.005
%RSD	3.394	3.249	3.186	3.305	.0385	.0684	.2669	.0041	.1306
#1	79.25	79.63	78.52	79.05	4.036	4.063	3.850	10.01	4.051
#2	75.54	76.06	75.06	75.44	4.038	4.067	3.836	10.00	4.058

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 Value Range

Sample Name: HSTD Acquired: 9/19/2009 11:46:56 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Sr4077	Ti3349	W_2079
Units	ppm	ppm	ppm
Avg	3.920	3.816	4.053
Stddev	.154	.020	.028
%RSD	3.932	.5235	.6900
#1	4.029	3.830	4.034
#2	3.811	3.802	4.073

Check ? Chk Pass Chk Pass Chk Pass  
 Value Range

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	105360	18426	2117.7	4462.0
Stddev	368	463	.5	.3
%RSD	.34911	2.5154	.02593	.00628
#1	105100	18098	2117.4	4461.8
#2	105620	18754	2118.1	4462.2

Sample Name: HSTD Acquired: 9/19/2009 11:57:18 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.008	4.023	4.021	4.018	3.945	3.942	3.970	4.020	4.931
Stddev	.004	.005	.002	.000	.012	.016	.006	.002	.0015
%RSD	.1051	.1271	.0541	.0072	.3035	.3935	.1432	.0420	.3096
#1	4.005	4.019	4.023	4.018	3.936	3.931	3.974	4.019	4.920
#2	4.011	4.026	4.020	4.018	3.953	3.953	3.966	4.021	4.942

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 Value  
 Range

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.953	4.025	4.019	4.020	4.024	4.020	4.017	80.41	80.64
Stddev	.006	.007	.005	.002	.001	.015	.008	.18	.21
%RSD	.1634	.1804	.1261	.0599	.0311	.3773	.1939	.2208	.2545
#1	3.958	4.020	4.023	4.021	4.025	4.031	4.023	80.28	80.50
#2	3.949	4.030	4.016	4.018	4.023	4.010	4.012	80.54	80.79

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 Value  
 Range

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	80.46	80.61	80.50	80.68	4.018	4.017	3.952	10.02	4.014
Stddev	.11	.19	.23	.18	.001	.002	.024	.01	.005
%RSD	.1349	.2378	.2811	.2246	.0213	.0561	.6110	.0619	.1211
#1	80.38	80.47	80.34	80.55	4.018	4.019	3.935	10.02	4.011
#2	80.54	80.74	80.66	80.81	4.019	4.016	3.969	10.01	4.018

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 Value  
 Range

Sample Name: HSTD Acquired: 9/19/2009 11:57:18 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Sr4077	Ti3349	W_2079
Units	ppm	ppm	ppm
Avg	4.061	3.958	4.032
Stddev	.015	.008	.027
%RSD	.3642	.2018	.6719
#1	4.050	3.963	4.013
#2	4.071	3.952	4.052

Check ? Chk Pass Chk Pass Chk Pass  
 Value  
 Range

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	102820	17731	2136.2	4499.1
Stddev	26	121	.5	9.9
%RSD	.02492	.68244	.02170	.21933
#1	102840	17817	2136.5	4506.1
#2	102800	17645	2135.9	4492.1

6.1  
6

Sample Name: CRIB Acquired: 9/19/2009 12:05:01 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1947	.0051	.0030	.0536	.0099	.0091	.0166	.0112	.0098
Stddev	.0003	.0001	.0000	.0000	.0000	.0003	.0000	.0001	.0003
%RSD	.1370	2.551	.9651	.0385	.2872	2.881	.2720	1.190	3.034
#1	.1949	.0050	.0030	.0536	.0099	.0089	.0166	.0111	.0100
#2	.1945	.0052	.0030	.0536	.0099	.0093	.0166	.0113	.0096

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 Value  
 Range

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0002	.0000	.0004	.0000	.0005	.0003	.0084	.005
Stddev	.1035	.7558	.3508	4.462	.6779	4.553	4.586	4.426	.1050
#1	.0526	.0226	.0111	.0096	.0020	.0102	.0065	.1841	5.192
#2	.0526	.0223	.0111	.0091	.0020	.0109	.0069	.1960	5.184

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 Value  
 Range

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1282	5.031	10.18	10.19	.1055	.0236	.0457	.2032	.0103
Stddev	.0002	.015	.01	.01	.0002	.0005	.0006	.0009	.0008
%RSD	.1191	.3054	.1422	.0849	.2297	1.962	1.384	.4362	8.203
#1	.1283	5.042	10.19	10.18	.1056	.0239	.0452	.2026	.0109
#2	.1281	5.020	10.17	10.20	.1053	.0232	.0461	.2038	.0097

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 Value  
 Range

Sample Name: CRIB Acquired: 9/19/2009 12:05:01 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Sr4077	Ti3349	W_2079
Units	ppm	ppm	ppm
Avg	.0103	.0108	F .1281
Stddev	.0000	.0001	.0049
%RSD	.2961	1.338	3.821
#1	.0103	.0107	.1316
#2	.0103	.0109	.1247

Check ? Chk Pass Chk Pass Chk Fail  
 Value  
 Range

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	106540	18018	2219.9	4909.4
Stddev	98	4	1.3	1.8
%RSD	.09212	.02061	.05864	.03651
#1	106610	18016	2220.8	4910.7
#2	106470	18021	2219.0	4908.2

Sample Name: CRID Acquired: 9/19/2009 12:11:07 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0037	.0010	.0011	.0026	.0020	.0019	.0033	.0045	.0009
Stddev	.0001	.0001	.0001	.0001	.0001	.0004	.0000	.0001	.0005
%RSD	2.524	5.975	8.397	3.084	2.785	19.80	.5550	2.508	54.58

#1	.0038	.0009	.0010	.0027	.0019	.0017	.0033	.0046	.0005
#2	.0037	.0010	.0012	.0025	.0020	.0022	.0033	.0044	.0012

Check ? Value Range  
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0026	.0139	.0044	.0017	.0018	.0052	.0032	.0917	1.003
Stddev	.0001	.0003	.0007	.0010	.0003	.0011	.0005	.0074	.001
%RSD	4.013	2.007	15.67	61.26	18.63	20.55	16.03	8.086	.1056

#1	.0026	.0138	.0049	.0024	.0021	.0060	.0036	.0864	1.004
#2	.0027	.0141	.0039	.0009	.0016	.0045	.0028	.0969	1.002

Check ? Value Range  
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0046	.1059	2.102	1.032	.0122	.0011	-.0008	.0018	-.0002
Stddev	.0019	.0142	.009	.005	.0001	.0002	.0006	.0002	.0007
%RSD	42.38	13.39	4.258	.4966	1.001	22.75	78.73	10.22	375.4

#1	.0060	.1159	2.109	1.036	.0123	.0012	-.0012	.0017	.0003
#2	.0032	.0959	2.096	1.029	.0121	.0009	-.0004	.0020	-.0006

Check ? Value Range  
 None Chk Pass Chk Pass Chk Pass Chk Pass None None None None

Sample Name: CRID Acquired: 9/19/2009 12:11:07 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Sr4077	Ti3349	W_2079
Units	ppm	ppm	ppm
Avg	.0000	.0004	F .0434
Stddev	.0000	.0000	.0027
%RSD	83.45	6.905	6.193

#1	.0000	.0004	.0453
#2	.0001	.0004	.0415

Check ? Value Range  
 None None Chk Fail .0040 50.00%

Int. Std. Units	Y_3600 Cts/S	Y_3710 Cts/S	Y_2243 Cts/S	In2306 Cts/S
Avg	108010	19170	2235.6	5024.5
Stddev	604.	108.	.2	10.3
%RSD	.55926	.56531	.00934	.20423

#1	108440.	19093.	2235.5	5017.3
#2	107580.	19247.	2235.8	5031.8

Sample Name: ICV Acquired: 9/19/2009 12:19:57 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9788	.9979	1.008	1.032	.9928	.9938	1.038	1.040	.5076
Stddev	.0006	.0031	.001	.001	.0272	.0233	.025	.001	.0107
%RSD	.0639	.3089	.0932	.0940	2.740	2.344	2.406	.0442	2.110

#1	.9794	1.001	1.009	1.033	.9727	.9743	1.018	1.041	.4987
#2	.9789	.9985	1.007	1.033	.9819	.9876	1.031	1.040	.5047
#3	.9781	.9946	1.008	1.031	1.024	1.020	1.066	1.040	.5195

Check ? Value Range  
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9698	1.023	.9883	.9936	F 1.051	.9852	.9974	5.104	4.907
Stddev	.0245	.001	.0009	.0098	.001	.0033	.0015	.025	.021
%RSD	2.527	.1280	.0866	.9861	.0711	.3375	.1499	.4955	.4245

#1	.9497	1.025	.9888	.9948	1.052	.9871	.9989	5.121	4.912
#2	.9626	1.022	.9887	1.003	1.051	.9872	.9972	5.115	4.926
#3	.9971	1.022	.9873	.9832	1.051	.9814	.9960	5.075	4.885

Check ? Value Range  
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail 1.000 5.000% Chk Pass Chk Pass Chk Pass Chk Pass

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.018	4.875	9.961	10.32	1.003	.9909	F 1.053	.9735	1.022
Stddev	.003	.014	.039	.04	.002	.0015	.026	.0013	.002
%RSD	.0529	.2860	.3862	.3832	.2116	.1513	2.482	.1384	.1765

#1	5.019	4.879	10.01	10.36	1.005	.9909	1.032	.9751	1.023
#2	5.020	4.886	9.939	10.32	1.001	.9924	1.045	.9730	1.023
#3	5.015	4.859	9.938	10.28	1.003	.9894	1.083	.9725	1.020

Check ? Value Range  
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail 1.000 5.000% Chk Pass Chk Pass

Sample Name: ICV Acquired: 9/19/2009 12:19:57 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Sr4077	Ti3349	W_2079
Units	ppm	ppm	ppm
Avg	1.005	.9914	F 1.055
Stddev	.001	.0240	.001
%RSD	.1046	2.419	.0645

#1	1.005	.9718	1.055
#2	1.006	.9841	1.055
#3	1.004	1.018	1.054

Check ? Value Range  
 Chk Pass Chk Pass Chk Fail 1.000 5.000%

Int. Std. Units	Y_3600 Cts/S	Y_3710 Cts/S	Y_2243 Cts/S	In2306 Cts/S
Avg	108190.	18932.	2240.5	4986.9
Stddev	2370.	88.	1.0	5.3
%RSD	2.1908	.46685	.04584	.10701

#1	110130.	18954.	2241.2	4982.5
#2	108890.	18834.	2241.0	4992.9
#3	105550.	19007.	2239.3	4985.5

Zoom In  
Zoom Out

Sample Name: ICB Acquired: 9/19/2009 12:29:45 Type: QC  
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
User: admin Custom ID1: Custom ID2: Custom ID3:  
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	0.000	-0.001	-0.002	-0.001	0.004	0.001	-0.002	0.000
Stddev	0.001	0.001	0.001	0.000	0.000	0.003	0.000	0.003	0.002
%RSD	47.21	4134.	136.9	19.32	2.810	72.00	21.36	196.9	1069.

#1 -0.001 -0.001 -0.000 -0.002 -0.001 0.002 0.001 0.001 0.002  
#2 -0.001 0.001 -0.001 -0.003 -0.001 0.005 0.001 -0.004 -0.001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
High Limit  
Low Limit

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.004	-0.002	0.005	0.006	-0.007	-0.004	-0.001	-0.044	-0.022
Stddev	0.002	0.002	0.000	0.005	0.005	0.013	0.002	0.031	0.028
%RSD	40.46	74.48	1.668	82.29	78.95	329.7	388.9	70.20	128.4

#1 0.006 -0.001 0.005 0.002 -0.003 0.005 -0.002 -0.066 -0.041  
#2 0.003 -0.003 0.005 0.009 -0.010 -0.014 0.001 -0.022 -0.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
High Limit  
Low Limit

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.007	0.041	0.207	-0.036	0.012	0.005	-0.014	0.001	-0.002
Stddev	0.008	0.069	0.142	0.023	0.004	0.002	0.021	0.011	0.006
%RSD	120.0	168.7	68.31	62.62	32.10	45.94	150.9	1029.	390.5

#1 -0.001 0.089 0.107 -0.052 0.015 0.007 -0.029 0.009 -0.006  
#2 -0.013 -0.008 0.307 -0.020 0.010 0.003 0.001 -0.007 0.003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
High Limit  
Low Limit

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Zoom In  
Zoom Out

Sample Name: ICB Acquired: 9/19/2009 12:29:45 Type: QC  
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
User: admin Custom ID1: Custom ID2: Custom ID3:  
Comment:

Elem	Sr4077	Ti3349	W_2079
Units	ppm	ppm	ppm
Avg	0.000	0.001	F 0.163
Stddev	0.000	0.001	0.000
%RSD	109.2	68.16	.1656

#1 0.000 0.001 0.163  
#2 0.001 0.002 0.163

Check ? Chk Pass Chk Pass Chk Fail  
High Limit 0.126  
Low Limit -0.126

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	108150.	18935.	2244.8	5057.3
Stddev	1578.	6.	.1	2.3
%RSD	1.4588	.03316	.00314	.04586

#1 109260. 18930. 2244.8 5055.7  
#2 107030. 18939. 2244.7 5059.0

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Zoom In  
Zoom Out

Sample Name: SAMPLECONF Acquired: 9/19/2009 12:34:43 Type: QC  
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
User: admin Custom ID1: Custom ID2: Custom ID3:  
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.950	1.965	2.022	2.029	1.984	1.995	2.069	2.034	2.472
Stddev	0.068	0.070	0.021	0.022	0.081	0.076	0.081	0.022	0.090
%RSD	3.479	3.543	1.036	1.064	4.100	3.811	3.911	1.062	3.652

#1 1.913 1.931 2.039 2.045 2.022 2.036 2.114 2.049 2.526  
#2 1.933 1.948 1.994 2.000 1.982 1.995 2.071 2.004 2.472  
#3 2.050 2.068 2.018 2.025 1.871 1.888 1.954 2.030 2.345  
#4 1.903 1.915 2.038 2.045 2.060 2.059 2.135 2.050 2.545

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
Value Range

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.978	2.001	2.003	2.014	2.031	2.005	2.014	38.52	38.67
Stddev	0.077	0.019	0.024	0.024	0.023	0.022	0.023	1.38	1.36
%RSD	3.918	.9404	1.194	1.199	1.110	1.086	1.133	3.583	3.512

#1 2.020 2.017 2.022 2.034 2.047 2.022 2.031 37.81 38.03  
#2 1.977 1.976 1.972 1.980 1.999 1.975 1.983 38.24 38.35  
#3 1.870 1.999 1.997 2.013 2.030 2.001 2.010 40.54 40.66  
#4 2.045 2.013 2.021 2.028 2.047 2.021 2.032 37.50 37.63

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
Value Range

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Zoom In  
Zoom Out

Sample Name: SAMPLECONF Acquired: 9/19/2009 12:34:43 Type: QC  
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
User: admin Custom ID1: Custom ID2: Custom ID3:  
Comment:

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	38.99	38.33	38.84	39.44	2.040	2.020	2.009	5.052	2.030
Stddev	1.39	1.35	1.24	1.28	0.023	0.022	0.073	0.059	0.022
%RSD	3.571	3.525	3.200	3.242	1.149	1.089	3.660	1.167	1.068

#1 38.27 37.60 38.28 38.79 2.057 2.036 2.045 5.108 2.047  
#2 38.70 37.97 38.52 39.13 2.010 1.990 2.011 4.979 2.001  
#3 41.03 40.33 40.66 41.32 2.033 2.016 1.906 5.030 2.026  
#4 37.97 37.43 37.89 38.51 2.061 2.038 2.074 5.090 2.047

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
Value Range

Elem	Sr4077	Ti3349	W_2079
Units	ppm	ppm	ppm
Avg	2.005	1.993	1.985
Stddev	0.070	0.080	0.025
%RSD	3.477	3.993	1.262

#1 1.969 2.039 1.988  
#2 1.989 1.992 1.952  
#3 2.108 1.882 1.985  
#4 1.955 2.060 2.013

Check ? Chk Pass Chk Pass Chk Pass  
Value Range

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Sample Name: SAMPLECONF Acquired: 9/19/2009 12:34:43 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	104630.	19115.	2181.3	4719.1
Stddev	3608.	549.	17.1	30.6
%RSD	3.4487	2.8707	.78517	.64805
#1	102740.	19392.	2170.6	4703.4
#2	104540.	19182.	2204.6	4762.2
#3	109710.	18326.	2183.4	4718.2
#4	101520.	19562.	2166.6	4692.6

Check ? Value Range

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.952	2.002	1.994	2.008	2.023	1.995	2.001	38.93	39.16
Stddev	.039	.029	.028	.033	.028	.027	.029	1.31	1.29
%RSD	2.017	1.466	1.414	1.655	1.374	1.331	1.471	3.354	3.283
#1	2.010	1.964	1.958	1.967	1.986	1.961	1.961	39.64	39.76
#2	1.940	2.032	2.023	2.031	2.051	2.019	2.029	38.34	38.64
#3	1.929	2.016	2.008	2.038	2.035	2.014	2.017	37.42	37.66
#4	1.928	1.997	1.989	1.995	2.019	1.988	1.998	40.33	40.60

Check ? Value Range

Sample Name: SAMPLECONF Acquired: 9/19/2009 12:41:59 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.966	1.981	2.011	2.022	1.940	1.944	2.036	2.025	2.428
Stddev	.061	.065	.029	.029	.040	.031	.042	.029	.0038
%RSD	3.104	3.281	1.426	1.442	2.070	1.575	2.047	1.418	1.584
#1	1.997	2.013	1.972	1.982	2.000	1.990	2.098	1.986	2.485
#2	1.939	1.953	2.036	2.049	1.921	1.932	2.019	2.051	2.411
#3	1.896	1.906	2.028	2.037	1.921	1.930	2.017	2.041	2.413
#4	2.034	2.053	2.008	2.019	1.917	1.926	2.010	2.022	2.402

Check ? Value Range

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.952	2.002	1.994	2.008	2.023	1.995	2.001	38.93	39.16
Stddev	.039	.029	.028	.033	.028	.027	.029	1.31	1.29
%RSD	2.017	1.466	1.414	1.655	1.374	1.331	1.471	3.354	3.283
#1	2.010	1.964	1.958	1.967	1.986	1.961	1.961	39.64	39.76
#2	1.940	2.032	2.023	2.031	2.051	2.019	2.029	38.34	38.64
#3	1.929	2.016	2.008	2.038	2.035	2.014	2.017	37.42	37.66
#4	1.928	1.997	1.989	1.995	2.019	1.988	1.998	40.33	40.60

Check ? Value Range

Sample Name: SAMPLECONF Acquired: 9/19/2009 12:41:59 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	39.43	38.85	39.24	39.72	2.029	2.008	1.955	5.055	2.022
Stddev	1.32	1.39	1.15	1.20	.029	.030	.028	.074	.030
%RSD	3.345	3.568	2.925	3.026	1.433	1.497	1.453	1.461	1.470
#1	40.02	39.49	39.87	40.36	1.989	1.967	1.998	4.956	1.984
#2	38.84	38.23	38.70	39.16	2.053	2.034	1.947	5.126	2.050
#3	37.91	37.26	37.93	38.34	2.047	2.027	1.942	5.092	2.040
#4	40.92	40.41	40.48	41.03	2.025	2.005	1.936	5.046	2.014

Check ? Value Range

Elem	Sr4077	Ti3349	W_2079
Units	ppm	ppm	ppm
Avg	2.022	1.966	2.032
Stddev	.064	.040	.029
%RSD	3.180	2.021	1.442
#1	2.054	2.025	1.989
#2	1.995	1.952	2.054
#3	1.947	1.946	2.046
#4	2.093	1.940	2.039

Check ? Value Range

Sample Name: SAMPLECONF Acquired: 9/19/2009 12:41:59 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	105950.	18656.	2183.7	4710.0
Stddev	1879.	580.	27.8	58.0
%RSD	1.7733	3.1077	1.2716	1.2321
#1	103150.	18412.	2222.2	4788.9
#2	106600.	18898.	2158.7	4654.3
#3	106890.	19325.	2169.3	4682.4
#4	107150.	17991.	2184.6	4714.5

Check ? Value Range

Sample Name: ICCV Acquired: 9/19/2009 12:49:26 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.989	2.009	1.998	2.011	1.982	1.982	2.086	2.016	2.471
Stddev	.040	.043	.023	.023	.044	.045	.041	.024	0.049
%RSD	2.032	2.116	1.148	1.147	2.215	2.263	1.984	1.193	1.979
#1	2.046	2.069	1.969	1.981	2.042	2.042	2.142	1.984	2.540
#2	1.951	1.970	1.997	2.011	1.988	1.990	2.092	2.016	2.471
#3	1.979	1.998	2.003	2.016	1.951	1.947	2.055	2.021	2.435
#4	1.980	1.997	2.024	2.037	1.948	1.947	2.054	2.042	2.438

Check ? Value Range  
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.985	1.991	1.992	2.012	2.012	1.996	1.995	39.50	39.79
Stddev	.039	.018	.026	.021	.021	.025	.027	.86	.83
%RSD	1.987	.8911	1.307	1.038	1.066	1.236	1.369	2.179	2.075
#1	2.039	1.966	1.958	1.986	1.984	1.966	1.958	40.70	40.98
#2	1.991	1.994	1.992	2.017	2.014	1.993	1.999	38.65	39.06
#3	1.957	1.995	1.997	2.010	2.017	2.000	1.999	39.28	39.54
#4	1.954	2.009	2.022	2.036	2.036	2.026	2.024	39.39	39.57

Check ? Value Range  
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICCV Acquired: 9/19/2009 12:49:26 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	40.01	39.51	39.77	40.19	2.023	2.001	1.988	5.045	2.013
Stddev	.87	.83	.78	.81	.026	.025	.039	.054	.022
%RSD	2.162	2.107	1.966	2.018	1.277	1.265	1.970	1.066	1.098
#1	41.24	40.71	40.86	41.34	1.991	1.969	2.040	4.973	1.984
#2	39.21	38.78	38.99	39.42	2.022	2.002	1.997	5.055	2.017
#3	39.77	39.26	39.58	40.01	2.026	2.005	1.955	5.049	2.015
#4	39.83	39.28	39.65	40.02	2.054	2.030	1.960	5.104	2.038

Check ? Value Range  
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Elem	Sr4077	Ti3349	W_2079
Units	ppm	ppm	ppm
Avg	2.046	2.007	2.058
Stddev	.043	.041	.026
%RSD	2.079	2.063	1.283
#1	2.107	2.062	2.024
#2	2.008	2.015	2.058
#3	2.034	1.975	2.060
#4	2.035	1.975	2.089

Check ? Value Range  
 Chk Pass Chk Pass Chk Pass

Sample Name: ICCV Acquired: 9/19/2009 12:49:26 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	104000.	18353.	2193.3	4726.9
Stddev	1839.	352.	25.1	43.0
%RSD	1.7679	1.9170	1.1429	.90902
#1	101570.	17849.	2226.0	4783.7
#2	103620.	18656.	2192.8	4721.2
#3	105160.	18503.	2189.3	4723.4
#4	105660.	18405.	2165.0	4679.2

Sample Name: CCB Acquired: 9/19/2009 13:01:01 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0002	.0005	.0003	.0002	.0002	.0004	.0002	.0001
Stddev	.0000	.0000	.0002	.0001	.0002	.0003	.0000	.0002	.0000
%RSD	30.13	11.24	34.89	42.87	109.7	150.9	3.065	77.01	8.061
#1	.0002	.0002	.0007	.0004	.0003	.0004	.0004	.0001	.0001
#2	.0001	.0003	.0004	.0002	.0000	.0000	.0004	.0003	.0001

Check ? High Limit Low Limit  
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009	.0003	.0018	.0001	.0004	.0008	.0004	.0017	.0036
Stddev	.0002	.0002	.0004	.0013	.0004	.0001	.0000	.0051	.0005
%RSD	21.68	54.42	23.14	1996.	96.09	16.10	.7112	292.9	12.76
#1	.0011	.0004	.0015	.0009	.0007	.0008	.0004	.0053	.0032
#2	.0008	.0002	.0021	.0010	.0001	.0007	.0004	.0018	.0039

Check ? High Limit Low Limit  
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0047	.0116	.1602	.0143	.0034	.0018	-.0001	.0020	.0009
Stddev	.0005	.0008	.0135	.0006	.0002	.0005	.0005	.0005	.0007
%RSD	9.700	7.016	8.428	4.360	4.540	27.39	505.6	26.93	81.30
#1	.0044	.0122	.1697	.0139	.0033	.0021	.0003	.0024	.0014
#2	.0051	.0110	.1507	.0148	.0035	.0014	-.0005	.0016	.0004

Check ? High Limit Low Limit  
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass



Sample Name: CCB Acquired: 9/19/2009 13:01:01 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Sr4077	Ti3349	W_2079
Units	ppm	ppm	ppm
Avg	.0003	.0007	F .0605
Stddev	.0000	.0003	.0033
%RSD	4.668	41.36	5.514

#1	.0003	.0009	.0629
#2	.0003	.0005	.0581

Check ? Chk Pass Chk Pass Chk Fail  
 High Limit .0126  
 Low Limit -.0126

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	112150.	19187.	2229.2	5011.4
Stddev	1647.	35.	1.3	5.5
%RSD	1.4685	.18383	.05916	.10882

#1	110990.	19212.	2228.3	5007.6
#2	113320.	19163.	2230.1	5015.3

Sample Name: ICSA Acquired: 9/19/2009 13:05:45 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015	.0000	-.0004	.0019	.0000	-.0008	.0006	.0010	-.0003
Stddev	.0000	.0000	.0002	.0001	.000	.0003	.0000	.0005	.0001
%RSD	3.318	71.61	54.82	3.440	907.6	32.52	7.931	44.29	27.58

#1	.0015	.0001	-.0002	.0020	.0002	-.0010	.0006	.0007	-.0004
#2	.0015	.0000	-.0005	.0019	-.0003	-.0007	.0006	.0014	-.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

Elem	V_2924	Zn2062	As1890	Ti1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0032	-.0066	-.0007	.0008	.0026	-.0010	.0004	509.0	377.9
Stddev	.0007	.0006	.0012	.0006	.0017	.0033	.0018	3.4	.0
%RSD	21.12	8.944	159.0	69.60	64.87	331.8	443.2	.6603	.0031

#1	.0027	-.0062	-.0016	.0012	.0014	.0013	.0017	506.7	377.9
#2	.0037	-.0070	.0001	.0004	.0038	-.0033	-.0009	511.4	377.9

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	194.7	520.4	.4148	.1632	-.0002	-.0028	.0035	.0125	-.0057
Stddev	.1	.2	.0051	.0064	.0002	.0001	.0017	.0004	.0010
%RSD	.0551	.0400	1.226	3.907	121.2	4.614	49.21	3.278	17.63

#1	194.8	520.2	.4184	.1587	-.0003	-.0027	.0023	.0128	-.0064
#2	194.6	520.5	.4112	.1678	.0000	-.0029	.0047	.0122	-.0050

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

Sample Name: ICSA Acquired: 9/19/2009 13:05:45 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Sr4077	Ti3349	W_2079
Units	ppm	ppm	ppm
Avg	.0059	.0031	.0964
Stddev	.0000	.0003	.0001
%RSD	.5980	10.07	.1417

#1	.0059	.0029	.0963
#2	.0059	.0033	.0965

Check ? Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	97312.	17879.	1953.7	4021.0
Stddev	163.	22.	4.3	16.2
%RSD	.16789	.12189	.21925	.40196

#1	97427.	17863.	1956.7	4032.4
#2	97196.	17894.	1950.6	4009.6

Sample Name: ICSAB Acquired: 9/19/2009 13:12:00 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5296	.5117	1.094	.5005	.4871	.5016	.5196	.9610	1.097
Stddev	.0014	.0018	.017	.0071	.0007	.0031	.0013	.0125	.004
%RSD	.2594	.3538	1.509	1.413	.1441	.6106	.2590	1.298	.3693

#1	.5306	.5130	1.082	.4955	.4876	.5038	.5206	.9521	1.100
#2	.5287	.5104	1.106	.5055	.4866	.4994	.5187	.9698	1.094

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 Value Range

Elem	V_2924	Zn2062	As1890	Ti1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5154	.9562	1.045	.9797	.9829	1.054	1.074	511.9	385.3
Stddev	.0000	.0113	.013	.0053	.0108	.014	.015	1.2	5.8
%RSD	.0075	1.180	1.285	.5422	1.097	1.276	1.390	.2302	1.506

#1	.5154	.9482	1.035	.9760	.9753	1.044	1.064	512.8	389.4
#2	.5154	.9642	1.054	.9835	.9905	1.063	1.085	511.1	381.2

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 Value Range

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	203.1	521.8	.3651	.1889	.0005	.4973	.5552	.0047	-.0070
Stddev	.8	1.7	.0220	.0010	.0010	.0074	.0007	.0010	.0007
%RSD	.3866	.3334	6.037	.5208	179.4	1.496	.1318	21.34	10.05

#1	203.7	523.1	.3807	.1882	-.0001	.4920	.5557	.0040	-.0065
#2	202.6	520.6	.3496	.1896	.0012	.5025	.5547	.0054	-.0074

Check ? Chk Pass Chk Pass None None None Chk Pass Chk Pass None None  
 Value Range

Sample Name: ICSAB Acquired: 9/19/2009 13:12:00 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Sr4077	Ti3349	W_2079
Units	ppm	ppm	ppm
Avg	.0059	0036	F 6469
Stddev	.0002	.0002	.0061
%RSD	3.181	4.803	.9472
#1	.0060	0038	6426
#2	.0057	0035	6512
Check ?	None	None	Chk Fail
Value			.5000
Range			20.00%
Int. Std.	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S
Avg	96918.	17760.	1985.2
Stddev	207.	34.	25.7
%RSD	.21349	.18944	1.2931
#1	96772.	17737.	2003.4
#2	97065.	17784.	1967.1

Sample Name: CCV Acquired: 9/19/2009 13:18:12 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.998	2.014	2.023	2.034	1.929	1.954	2.028	2.038	.2424
Stddev	.003	.002	.025	.025	.004	.012	.006	.025	.0009
%RSD	.1542	.1019	1.233	1.247	.2102	.6336	.3001	1.212	.3767
#1	1.996	2.013	2.006	2.016	1.932	1.962	2.032	2.021	.2431
#2	2.000	2.016	2.041	2.052	1.926	1.945	2.024	2.056	.2418
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	V_2924	Zn2062	As1890	Ti1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.964	1.995	2.012	1.999	2.030	2.015	2.018	39.85	39.73
Stddev	.004	.024	.024	.010	.025	.022	.023	.07	.03
%RSD	.1872	1.201	1.192	.4779	1.241	1.073	1.130	.1776	.0674
#1	1.967	1.978	1.995	1.992	2.012	2.000	2.002	39.80	39.74
#2	1.962	2.012	2.029	2.006	2.048	2.030	2.034	39.90	39.71
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	40.06	39.41	40.04	40.53	2.050	2.021	1.957	5.084	2.029
Stddev	.04	.11	.14	.08	.021	.025	.011	.054	.023
%RSD	.0926	.2680	.3448	.1895	1.029	1.243	.5797	1.059	1.111
#1	40.03	39.34	39.94	40.47	2.035	2.004	1.965	5.045	2.013
#2	40.09	39.49	40.13	40.58	2.065	2.039	1.949	5.122	2.045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Sample Name: CCV Acquired: 9/19/2009 13:18:12 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Sr4077	Ti3349	W_2079
Units	ppm	ppm	ppm
Avg	2.054	1.971	1.987
Stddev	.002	.007	.030
%RSD	.1082	.3385	1.495
#1	2.052	1.976	1.966
#2	2.055	1.967	2.008
Check ?	Chk Pass	Chk Pass	Chk Pass
Value			
Range			
Int. Std.	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S
Avg	106390.	18615.	2173.4
Stddev	345.	26.	39.4
%RSD	.32432	.14064	.94863
#1	106150.	18633.	2187.9
#2	106630.	18596.	2158.8

Sample Name: CCB Acquired: 9/19/2009 13:24:10 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	-.0001	.0001	-.0001	.0000	.0003	.0000	-.0001	-.0002
Stddev	.0001	.0001	.0001	.0001	.000	.0001	.0000	.0004	.0000
%RSD	97.13	113.1	64.70	131.5	353.1	25.66	56.42	383.8	3.244
#1	-.0002	-.0002	.0001	.0000	.0001	.0003	.0001	.0002	-.0002
#2	.0000	.0000	.0002	-.0002	-.0001	.0002	.0000	-.0003	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	V_2924	Zn2062	As1890	Ti1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-.0002	.0018	.0009	-.0009	.0008	-.0005	-.0015	.0015
Stddev	.0002	.0000	.0003	.0011	.0002	.0001	.0002	.0142	.0080
%RSD	169.7	22.08	16.12	112.8	19.57	16.94	49.38	948.9	518.9
#1	.0000	-.0002	.0021	.0017	-.0010	.0009	-.0003	-.0115	-.0041
#2	.0003	-.0001	.0016	.0002	-.0008	.0007	-.0007	.0085	.0072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012	.0012	.0765	-.0017	.0016	.0012	-.0010	.0012	.0004
Stddev	.0040	.0109	.0112	.0028	.0003	.0002	.0016	.0003	.0001
%RSD	341.6	892.1	14.63	168.9	19.85	16.29	156.1	25.40	37.61
#1	-.0016	-.0065	.0844	-.0036	.0019	.0013	-.0021	.0015	.0003
#2	.0040	.0089	.0686	.0003	.0014	.0011	.0001	.0010	.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Sample Name: CCB Acquired: 9/19/2009 13:24:10 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Sr4077	Ti3349	W_2079
Units	ppm	ppm	ppm
Avg	-0.001	0.001	F_0368
Stddev	.0001	.0004	.0016
%RSD	124.1	317.9	4.399
#1	-0.002	-0.002	.0379
#2	.0000	.0004	.0356
Check ?	Chk Pass	Chk Pass	Chk Fail
High Limit			.0126
Low Limit			-.0126
Int. Std.	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S
Avg	106310.	18916.	2236.8
Stddev	3704.	81.	3.7
%RSD	3.4836	.42824	.16551
#1	103690.	18973.	2239.4
#2	108930.	18859.	2234.2

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Sample Name: JA28294-3-2 Acquired: 9/19/2009 13:30:22 Type: Unk  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 10.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	.2093	.0140	.0086	.0966	.3457	.4131	1.538	.3991	-.0042
Stddev	.0008	.0000	.0000	.0001	.0021	.0016	.004	.0003	.0008
%RSD	.3834	.1923	.2630	.0562	.6193	.3943	.2793	.0682	18.81
#1	.2087	.0140	.0086	.0966	.3473	.4143	1.541	.3993	-.0036
#2	.2099	.0140	.0086	.0966	.3442	.4119	1.535	.3989	-.0047
Elem	V_2924	Zn2062	As1890	Ti1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.7477	.9102	.0879	-.0109	.0289	-.0229	-.0081	50.48	9.266
Stddev	.0016	.0032	.0071	.0078	.0085	.0030	.0018	.05	.062
%RSD	.2128	.3549	8.109	71.61	29.25	13.03	22.19	.0968	.6644
#1	.7466	.9079	.0829	-.0054	.0349	-.0208	-.0069	50.44	9.223
#2	.7488	.9125	.0930	-.0165	.0229	-.0250	-.0094	50.51	9.310
Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	776.9	5.940	6.713	1.025	.0097	.0018	-.0086	4.647	.0046
Stddev	1.8	.104	.062	.037	.0014	.0000	.0167	.007	.0007
%RSD	.2287	1.747	.9242	3.584	14.38	.8147	194.8	.1614	15.43
#1	775.7	6.013	6.756	1.051	.0107	.0018	-.0204	4.642	.0051
#2	778.2	5.866	6.669	.9986	.0088	.0018	.0032	4.653	.0041
Elem	Sr4077	Ti3349	W_2079						
Avg	.0429	.0501	.2250						
Stddev	.0002	.0011	.0020						
%RSD	.5074	2.288	.8852						
#1	.0428	.0492	.2264						
#2	.0431	.0509	.2236						
Int. Std.	Y_3600	Y_3710	Y_2243	In2306					
Avg	119150.	20699.	2452.8	5011.1					
Stddev	208.	65.	6.9	1.3					
%RSD	.17453	.31555	.27984	.02616					
#1	119000.	20745.	2457.7	5012.0					
#2	119300.	20653.	2448.0	5010.2					

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Sample Name: MP49662-MB1CONF Acquired: 9/19/2009 13:36:25 Type: Unk  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	-0.003	-0.002	-0.002	-0.003	.0001	-.0001	-.0001	.0009	-.0001
Stddev	.0002	.0000	.0002	.0003	.0002	.0002	.0000	.0010	.0000
%RSD	71.48	5.271	124.3	92.86	158.7	138.9	78.69	103.7	36.57
#1	-0.004	-0.002	-0.003	-0.001	.0003	.0000	.0000	.0016	-.0001
#2	-0.001	-0.002	.0000	-0.006	.0000	-.0002	-.0001	.0003	-.0001
Elem	V_2924	Zn2062	As1890	Ti1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0000	****	.0010	-0.006	.0007	.0000	-.0003	.0013	.0322
Stddev	.000	----	.0003	.0001	.0016	.000	.0008	.0032	.0052
%RSD	957.2	----	28.52	26.33	219.1	901.7	252.0	249.7	16.11
#1	.0000	----	.0008	-.0005	.0019	.0002	-.0008	.0036	.0286
#2	.0000	.0059	.0012	-.0007	-.0004	-.0003	.0002	-.0010	.0359
Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	.0054	.0015	-.0262	.0077	.0011	.0000	-.0015	.0287	-.0006
Stddev	.0001	.0048	.0079	.0036	.0009	.000	.0016	.0058	.0002
%RSD	2.345	329.7	30.05	46.89	77.69	19.24	107.7	20.11	39.68
#1	.0055	.0049	-.0207	.0051	.0017	.0000	-.0004	.0328	-.0008
#2	.0053	-.0020	-.0318	.0102	.0005	.0000	-.0027	.0246	-.0005
Elem	Sr4077	Ti3349	W_2079						
Avg	-0.001	.0001	.0246						
Stddev	.0000	.0001	.0079						
%RSD	6.950	102.4	32.30						
#1	-0.001	.0000	.0302						
#2	-0.001	.0002	.0190						
Int. Std.	Y_3600	Y_3710	Y_2243	In2306					
Avg	109310.	18786.	2223.4	4984.3					
Stddev	87.	42.	8.9	11.9					
%RSD	.07927	.22308	.40111	.23902					
#1	109370.	18816.	2229.7	4975.9					
#2	109250.	18757.	2217.1	4992.7					

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Sample Name: JA26889-1 Acquired: 9/19/2009 13:42:33 Type: Unk  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 25.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	-0.0054	-0.0046	-0.0078	-0.0077	-0.0067	.0168	.0016	.0095	-.0107
Stddev	.0006	.0011	.0009	.0021	.0030	.0048	.0011	.0001	.0058
%RSD	10.98	23.82	11.16	27.48	45.53	28.69	68.40	1.299	54.48
#1	-.0050	-.0038	-.0072	-.0062	-.0088	.0202	.0008	.0094	-.0066
#2	-.0059	-.0053	-.0084	-.0092	-.0045	.0134	.0024	.0096	-.0148
Elem	V_2924	Zn2062	As1890	Ti1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0068	.0190	.0545	-.0197	-.0221	-.0502	-.0101	-.0571	.3440
Stddev	.0011	.0061	.0036	.0172	.0103	.0075	.0134	.0570	.0070
%RSD	15.78	32.25	6.689	87.24	46.88	14.98	132.8	99.84	2.023
#1	.0061	.0147	.0571	-.0318	-.0148	-.0449	-.0196	-.0168	.3391
#2	.0076	.0234	.0519	-.0075	-.0294	-.0555	-.0006	-.0975	.3489
Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	.8209	.3812	24.22	5503.	.0998	.0134	-.0331	.9581	-.0170
Stddev	.0666	.2698	.29	15.	.0029	.0012	.0109	.0253	.0135
%RSD	8.117	70.77	1.186	.2798	2.950	9.192	32.92	2.644	79.45
#1	.7738	.5719	24.43	5492.	.0977	.0125	-.0254	.9401	-.0266
#2	.8680	.1904	24.02	5514.	.1018	.0143	-.0408	.9760	-.0075
Elem	Sr4077	Ti3349	W_2079						
Avg	.0580	.0053	1.250						
Stddev	.0017	.0032	.003						
%RSD	2.908	59.69	.2014						
#1	.0568	.0031	1.252						
#2	.0592	.0075	1.249						
Int. Std.	Y_3600	Y_3710	Y_2243	In2306					
Avg	106500.	18979.	2219.6	4802.1					
Stddev	589.	168.	23.8	38.3					
%RSD	.55267	.88487	1.0726	.79792					
#1	106090.	19098.	2236.5	4829.2					
#2	106920.	18861.	2202.8	4775.0					

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Sample Name: MP49683-S1 Acquired: 9/19/2009 14:13:17 Type: Unk  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	1.845	.0462	.0479	.4482	.1721	.2385	.4987	.4518	.0456
Stddev	.123	.0032	.0004	.0002	.0001	.0004	.0020	.0011	.0002
%RSD	6.658	7.014	.7533	.0526	.0543	.1512	.3967	.2397	.4199
#1	1.758	.0439	.0476	.4481	.1722	.2388	.5001	.4510	.0454
#2	1.932	.0484	.0481	.4484	.1721	.2383	.4973	.4526	.0457

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.4257	.4787	1.789	1.765	.4510	1.805	.4627	2.305	118.5
Stddev	.0006	.0003	.003	.004	.0003	.002	.0006	.140	7.4
%RSD	.1358	.0648	.1501	.2495	.0647	.0938	.1357	6.064	6.284
#1	.4262	.4785	1.790	1.762	.4512	1.807	.4631	2.206	113.2
#2	.4253	.4789	1.787	1.768	.4508	1.804	.4622	2.404	123.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	3.200	38.87	29.99	208.9	.6146	.0022	-.0028	7.545	-.0009
Stddev	.211	2.54	1.80	11.7	.0002	.0001	.0014	.033	.0004
%RSD	6.596	6.534	6.007	5.608	.0380	3.685	50.58	.4367	45.82
#1	3.051	37.08	28.72	200.7	.6144	.0022	-.0018	7.569	-.0006
#2	3.350	40.67	31.27	217.2	.6148	.0021	-.0038	7.522	-.0012

Elem	Sr4077	Ti3349	W_2079
Avg	.6165	.0283	.0206
Stddev	.0407	.0001	.0009
%RSD	6.598	.4515	4.356
#1	.5877	.0284	.0213
#2	.6452	.0282	.0200

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	103900.	17886.	2107.7	4527.9
Stddev	201.	929.	1.1	4.1
%RSD	.19322	5.1958	.05196	.08958
#1	103760.	18543.	2106.9	4530.8
#2	104050.	17228.	2108.5	4525.1

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Sample Name: MP49683-S2 Acquired: 9/19/2009 14:19:21 Type: Unk  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	1.800	.0450	.0480	.4500	.1721	.2423	.5010	.4534	.0462
Stddev	.003	.0000	.0000	.0000	.0003	.0013	.0007	.0003	.0003
%RSD	.1784	.0731	.0663	.0012	.1611	.5449	.1325	.0565	.6628
#1	1.797	.0449	.0480	.4500	.1720	.2432	.5005	.4536	.0460
#2	1.802	.0450	.0480	.4499	.1723	.2413	.5014	.4532	.0464

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.4289	.4867	1.785	1.769	.4547	1.794	.4622	2.219	114.3
Stddev	.0018	.0005	.001	.010	.0007	.000	.0002	.012	.3
%RSD	.4123	.1091	.0344	.5742	.1471	.0127	.0350	.5349	.2739
#1	.4276	.4863	1.785	1.776	.4542	1.794	.4623	2.211	114.1
#2	.4301	.4871	1.784	1.762	.4551	1.794	.4621	2.227	114.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	3.096	37.39	29.02	198.5	.6124	.0020	-.0042	7.551	.0020
Stddev	.002	.19	.08	1.1	.0007	.0000	.0005	.009	.0002
%RSD	.0510	.5163	.2880	.5761	.1145	.4710	13.13	.1223	8.173
#1	3.095	37.26	28.96	197.7	.6129	.0020	-.0046	7.558	.0021
#2	3.097	37.53	29.08	199.3	.6119	.0020	-.0038	7.545	.0018

Elem	Sr4077	Ti3349	W_2079
Avg	.5982	.0285	.0200
Stddev	.0014	.0003	.0005
%RSD	.2297	1.057	2.468
#1	.5973	.0287	.0196
#2	.5992	.0283	.0203

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	104270.	18565.	2121.3	4550.1
Stddev	232.	6.	1.0	.2
%RSD	.22224	.03469	.04673	.00505
#1	104430.	18570.	2122.0	4550.3
#2	104100.	18561.	2120.6	4550.0

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6.1  
6

Sample Name: CCV Acquired: 9/19/2009 14:25:26 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.084	2.124	2.026	2.028	1.945	1.946	2.069	2.026	2.431
Stddev	.091	.094	.004	.001	.004	.001	.001	.001	.0006
%RSD	4.389	4.413	.1785	.0641	.2287	.0581	.0323	.0516	.2495
#1	2.148	2.190	2.023	2.027	1.942	1.947	2.069	2.025	2.435
#2	2.019	2.057	2.028	2.029	1.948	1.945	2.070	2.027	2.427

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 Value Range

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.910	2.011	1.982	1.988	2.034	1.979	2.004	41.43	42.08
Stddev	.004	.006	.002	.010	.002	.001	.008	1.79	1.89
%RSD	.1808	.2989	.0771	.4898	.1188	.0632	.3923	4.318	4.487
#1	1.907	2.015	1.981	1.995	2.032	1.978	1.998	42.70	43.41
#2	1.912	2.007	1.983	1.981	2.035	1.980	2.010	40.17	40.74

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 Value Range

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	42.20	41.87	41.12	41.74	2.026	2.000	1.963	5.125	2.023
Stddev	2.01	1.99	1.60	1.65	.003	.004	.000	.003	.001
%RSD	4.770	4.748	3.897	3.964	.1315	.1859	.0209	.0501	.0414
#1	43.62	43.27	42.26	42.91	2.025	1.998	1.964	5.123	2.022
#2	40.78	40.46	39.99	40.57	2.028	2.003	1.963	5.126	2.023

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 Value Range

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Sample Name: CCV Acquired: 9/19/2009 14:25:26 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Sr4077	Ti3349	W_2079
Units	ppm	ppm	ppm
Avg	2.146	1.956	1.948
Stddev	.095	.000	.009
%RSD	4.436	.0004	.4431
#1	2.214	1.956	1.942
#2	2.079	1.956	1.955

Check ? Chk Pass Chk Pass Chk Pass  
 Value Range

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	106830.	17802.	2205.9	4752.2
Stddev	95.	716.	2.5	1.4
%RSD	.08934	4.0241	.11203	.02990
#1	106890.	17295.	2207.7	4751.2
#2	106760.	18308.	2204.2	4753.2

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Sample Name: JA27670-1 Acquired: 9/19/2009 14:49:59 Type: Unk  
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
User: admin Custom ID1: Custom ID2: Custom ID3:  
Comment:

Table with 11 columns (Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280) and 10 rows of data including Avg, Stddev, %RSD, and duplicate sample numbers (#1, #2).

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Sample Name: JA27670-2 Acquired: 9/19/2009 14:56:06 Type: Unk  
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
User: admin Custom ID1: Custom ID2: Custom ID3:  
Comment:

Table with 11 columns (Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280) and 10 rows of data including Avg, Stddev, %RSD, and duplicate sample numbers (#1, #2).

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6.1  
6

Sample Name: JA27670-3 Acquired: 9/19/2009 15:02:09 Type: Unk  
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
User: admin Custom ID1: Custom ID2: Custom ID3:  
Comment:

Table with 11 columns (Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280) and 10 rows of data including Avg, Stddev, %RSD, and duplicate sample numbers (#1, #2).

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Sample Name: JA27670-4 Acquired: 9/19/2009 15:08:15 Type: Unk  
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
User: admin Custom ID1: Custom ID2: Custom ID3:  
Comment:

Table with 11 columns (Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280) and 10 rows of data including Avg, Stddev, %RSD, and duplicate sample numbers (#1, #2).

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Sample Name: F67944-7 Acquired: 9/19/2009 15:14:22 Type: Unk Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000 User: admin Custom ID1: Custom ID2: Custom ID3: Comment:

Table with columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Rows include Avg, Stddev, %RSD for elements and #1, #2 for replicates. Also includes Int. Std. section.

Sample Name: F67944-8 Acquired: 9/19/2009 15:20:44 Type: Unk Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000 User: admin Custom ID1: Custom ID2: Custom ID3: Comment:

Table with columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Rows include Avg, Stddev, %RSD for elements and #1, #2 for replicates. Also includes Int. Std. section.

Sample Name: F67944-9 Acquired: 9/19/2009 15:27:03 Type: Unk Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000 User: admin Custom ID1: Custom ID2: Custom ID3: Comment:

Table with columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Rows include Avg, Stddev, %RSD for elements and #1, #2 for replicates. Also includes Int. Std. section.

Sample Name: CCV Acquired: 9/19/2009 15:33:21 Type: QC Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000 User: admin Custom ID1: Custom ID2: Custom ID3: Comment:

Table with columns: Elem Units, Ba4554 ppm, Be3130 ppm, Cd2288 ppm, Co2286 ppm, Cr2677 ppm, Cu3247 ppm, Mn2576 ppm, Ni2316 ppm, Ag3280 ppm. Rows include Avg, Stddev, %RSD, and Check? Value Range.



Sample Name: CCV Acquired: 9/19/2009 15:33:21 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Sr4077	Ti3349	W_2079
Units	ppm	ppm	ppm
Avg	2.067	1.961	1.969
Stddev	.002	.001	.004
%RSD	.0941	.0456	.2015

#1	2.069	1.962	1.972
#2	2.066	1.960	1.966

Check ? Chk Pass Chk Pass Chk Pass  
 Value  
 Range

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	107010.	19084.	2179.3	4737.8
Stddev	86.	7.	10.8	30.8
%RSD	.08030	.03477	.49558	.64945

#1	107070.	19080.	2171.6	4716.0
#2	106950.	19089.	2186.9	4759.5

Sample Name: CCB Acquired: 9/19/2009 15:39:20 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	.0005	F .0006	.0004	.0003	.0002	W .0015	.0003
Stddev	.0001	.0000	.0002	.0000	.0000	.0003	.0002	.0000
%RSD	11.99	7.446	30.14	9.759	3.065	165.9	15.83	12.82

#1	.0007	.0005	.0008	.0005	.0003	.0000	.0013	.0003
#2	.0006	.0005	.0005	.0004	.0003	.0004	.0017	.0004

Check ? Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass Chk Warn Chk Pass  
 High Limit .0006  
 Low Limit -.0006

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0007	.0004	.0014	.0014	.0008	-.0002	.0011
Stddev	.0000	.0000	.0001	.0002	.0003	.0004	.0013	.0004
%RSD	39.43	6.747	36.16	17.67	24.27	57.64	613.5	35.05

#1	.0001	.0006	.0005	.0016	.0011	.0011	.0007	.0014
#2	.0001	.0007	.0003	.0012	.0016	.0005	-.0011	.0008

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0089	.0359	.0147	.0185	.0776	.0651	.0013	.0011
Stddev	.0033	.0055	.0019	.0001	.0393	.0076	.0002	.0002
%RSD	37.33	15.26	12.86	.6315	50.61	11.61	12.71	16.01

#1	.0112	.0397	.0160	.0185	.1054	.0704	.0014	.0012
#2	.0065	.0320	.0134	.0184	.0498	.0597	.0011	.0009

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

Sample Name: CCB Acquired: 9/19/2009 15:39:20 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0008	.0046	.0005	.0007	.0001	.0059
Stddev	.0003	.0004	.0005	.0001	.0002	.0029
%RSD	40.20	8.507	99.87	16.21	114.6	48.46

#1	-.0011	.0048	.0008	.0008	.0002	.0080
#2	-.0006	.0043	.0001	.0006	.0000	.0039

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	107390.	17935.	2245.4	4992.6
Stddev	347.	122.	9	1.8
%RSD	.32267	.68236	.04132	.03531

#1	107630.	17849.	2244.8	4991.4
#2	107140.	18022.	2246.1	4993.9

Sample Name: MP49673-MB1CONF Acquired: 9/19/2009 15:45:31 Type: Unk  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0004	.0003	.0003	.0005	.0000	.0006	.0005	-.0001
Stddev	.0000	.0000	.0000	.0003	.0000	.0004	.0001	.0001	.0001
%RSD	5.198	4.046	13.53	80.07	7.270	3116.	9.285	24.20	66.79

#1	.0005	.0005	.0003	.0005	.0005	-.0002	.0005	.0004	-.0002
#2	.0005	.0004	.0003	.0001	.0005	.0003	.0006	.0006	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0003	.0014	.0005	.0008	-.0003	.0004	.0163	.0266
Stddev	.0002	.0001	.0004	.0009	.0004	.0011	.0004	.0011	.0015
%RSD	88.85	24.26	29.61	156.7	48.15	392.0	99.07	6.810	5.816

#1	.0004	.0004	.0011	.0012	.0011	-.0011	.0001	.0171	.0255
#2	.0001	.0003	.0017	-.0001	.0005	.0005	.0007	.0155	.0277

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0125	.0226	-.0017	.0337	.0000	.0003	.0007	.0038	.0006
Stddev	.0019	.0069	.0068	.0069	.0005	.0001	.0013	.0004	.0004
%RSD	15.32	30.57	391.7	20.61	2755.	29.79	181.4	11.20	73.63

#1	.0139	.0177	.0031	.0288	.0004	.0003	.0002	.0035	.0003
#2	.0112	.0275	-.0066	.0386	-.0003	.0004	-.0017	.0041	.0009

Elem	Sr4077	Ti3349	W_2079
Units	ppm	ppm	ppm
Avg	.0005	.0003	-.0003
Stddev	.0000	.0001	.0015
%RSD	4.913	34.28	491.4

#1	.0005	.0002	.0008
#2	.0005	.0004	-.0014

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	107160.	18013.	2238.0	4961.0
Stddev	2599.	49.	7	4.1
%RSD	2.4251	.27073	.02970	.08291

#1	109000.	17978.	2238.4	4963.9
#2	105320.	18047.	2237.5	4958.0



Sample Name: JA28405-2 Acquired: 9/19/2009 16:16:15 Type: Unk

Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Table with 10 columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 10 columns: Elem, V\_2924, Zn2062, As1890, Ti1908, Pb2203, Se1960, Sb2068, Al3961, Ca3179. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 10 columns: Elem, Fe2599, Mg2790, K\_7664, Na5895, B\_2089, Mo2020, Pd3404, Si2124, Sn1899. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 10 columns: Elem, Sr4077, Ti3349, W\_2079. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 4 columns: Int. Std, Y\_3600, Y\_3710, Y\_2243, In2306. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 4 columns: Int. Std, Y\_3600, Y\_3710, Y\_2243, In2306. Rows include Avg, Stddev, %RSD, #1, #2.

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Sample Name: JA28426-2 Acquired: 9/19/2009 16:22:33 Type: Unk

Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Table with 10 columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 10 columns: Elem, V\_2924, Zn2062, As1890, Ti1908, Pb2203, Se1960, Sb2068, Al3961, Ca3179. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 10 columns: Elem, Fe2599, Mg2790, K\_7664, Na5895, B\_2089, Mo2020, Pd3404, Si2124, Sn1899. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 10 columns: Elem, Sr4077, Ti3349, W\_2079. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 4 columns: Int. Std, Y\_3600, Y\_3710, Y\_2243, In2306. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 4 columns: Int. Std, Y\_3600, Y\_3710, Y\_2243, In2306. Rows include Avg, Stddev, %RSD, #1, #2.

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6.1

6

Sample Name: F67944-11 2 Acquired: 9/19/2009 16:28:38 Type: Unk

Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Table with 10 columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 10 columns: Elem, V\_2924, Zn2062, As1890, Ti1908, Pb2203, Se1960, Sb2068, Al3961, Ca3179. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 10 columns: Elem, Fe2599, Mg2790, K\_7664, Na5895, B\_2089, Mo2020, Pd3404, Si2124, Sn1899. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 10 columns: Elem, Sr4077, Ti3349, W\_2079. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 4 columns: Int. Std, Y\_3600, Y\_3710, Y\_2243, In2306. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 4 columns: Int. Std, Y\_3600, Y\_3710, Y\_2243, In2306. Rows include Avg, Stddev, %RSD, #1, #2.

Raw Data MA23143 page 79 of 245

Sample Name: CCV Acquired: 9/19/2009 16:34:51 Type: QC

Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Table with 10 columns: Elem Units, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 10 columns: Elem Units, V\_2924, Zn2062, As1890, Ti1908, Pb2203, Se1960, Sb2068, Al3961, Ca3179. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 10 columns: Elem Units, Fe2599, Mg2790, K\_7664, Na5895, B\_2089, Mo2020, Pd3404, Si2124, Sn1899. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 10 columns: Elem Units, Sr4077, Ti3349, W\_2079. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 4 columns: Int. Std, Y\_3600, Y\_3710, Y\_2243, In2306. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 4 columns: Int. Std, Y\_3600, Y\_3710, Y\_2243, In2306. Rows include Avg, Stddev, %RSD, #1, #2.

Raw Data MA23143 page 80 of 245

Sample Name: CCV Acquired: 9/19/2009 16:34:51 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Sr4077	Ti3349	W_2079
Units	ppm	ppm	ppm
Avg	2.064	2.004	1.994
Stddev	.000	.002	.018
%RSD	.0121	.1085	.8852

#1	2.064	2.005	2.007
#2	2.064	2.002	1.982

Check ? Chk Pass Chk Pass Chk Pass  
 Value  
 Range

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	103470.	17362.	2158.9	4603.2
Stddev	207.	76.	23.7	49.1
%RSD	.20025	.43673	1.0976	1.0657

#1	103330.	17308.	2142.2	4568.5
#2	103620.	17415.	2175.7	4637.9

Sample Name: CCB Acquired: 9/19/2009 16:40:50 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0000	-.0003	-.0003	-.0001	-.0005	-.0001	-.0002	-.0003
Stddev	.000	.000	.0002	.0001	.0003	.0002	.0001	.0000	.0002
%RSD	198.2	66.44	54.31	50.91	216.8	51.37	58.95	14.72	55.39

#1	-.0001	-.0001	-.0002	-.0003	-.0001	-.0006	-.0001	-.0002	-.0002
#2	.0000	.0000	-.0004	-.0002	-.0003	-.0003	-.0001	-.0002	-.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	-.0002	.0006	.0007	.0003	-.0009	-.0002	-.0071	.0055
Stddev	.0002	.0000	.0004	.0000	.0000	.0004	.0012	.0029	.0026
%RSD	98.30	.5330	68.16	3.482	10.47	47.05	608.0	40.89	46.39

#1	-.0001	-.0002	.0009	.0007	.0002	-.0006	-.0010	-.0092	.0073
#2	-.0003	-.0002	.0003	.0007	.0003	-.0011	.0006	-.0051	.0037

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	.0138	.1745	.2121	.0015	.0003	-.0020	.0043	-.0005
Stddev	.0004	.0115	.0103	.0056	.0001	.0002	.0035	.0004	.0002
%RSD	59.42	83.56	5.875	2.630	9.560	48.88	177.6	8.897	41.79

#1	.0004	.0056	.1673	.2161	.0016	.0004	-.0045	.0046	-.0006
#2	.0010	.0219	.1818	.2082	.0014	.0002	.0005	.0041	-.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

Sample Name: CCB Acquired: 9/19/2009 16:40:50 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Sr4077	Ti3349	W_2079
Units	ppm	ppm	ppm
Avg	.0000	-.0002	.0002
Stddev	.0000	.0000	.0016
%RSD	795.2	10.02	782.2

#1	.0000	-.0003	.0013
#2	.0000	-.0002	-.0009

Check ? Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	105830.	17356.	2226.7	4916.9
Stddev	179.	115.	4.3	15.7
%RSD	.16937	.66450	.19358	.31848

#1	105950.	17275.	2229.7	4928.0
#2	105700.	17438.	2223.6	4905.8

Sample Name: ICESA Acquired: 9/19/2009 16:47:02 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0014	-.0001	-.0004	.0014	.0001	-.0022	.0004	.0020	-.0009
Stddev	.0001	.0000	.0001	.0004	.0001	.0001	.0001	.0002	.0001
%RSD	7.888	35.49	25.99	27.25	65.44	3.859	23.34	9.146	14.56

#1	.0013	-.0001	-.0004	.0016	.0002	-.0023	.0004	.0021	-.0010
#2	.0014	-.0001	-.0003	.0011	.0001	-.0022	.0005	.0019	-.0008

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0035	-.0074	.0003	-.0007	.0007	-.0012	-.0002	501.5	389.1
Stddev	.0000	.0003	.0013	.0005	.0007	.0040	.0005	4.6	6
%RSD	.5586	3.715	523.0	78.09	96.43	322.9	282.3	.9240	.1615

#1	.0035	-.0076	.0012	-.0003	.0002	-.0041	-.0005	498.3	388.7
#2	.0035	-.0072	-.0007	-.0011	.0012	.0016	.0002	504.8	389.6

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	196.8	535.8	.4370	4900	-.0016	-.0034	.0053	.0156	-.0074
Stddev	.2	.5	.0368	.0046	.0006	.0002	.0006	.0048	.0007
%RSD	.0915	.0868	8.410	.9318	36.42	5.571	10.54	30.76	9.876

#1	196.7	535.5	.4110	4932	-.0020	-.0032	.0049	.0122	-.0069
#2	196.9	536.2	.4630	4868	-.0012	-.0035	.0057	.0190	-.0080

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

Sample Name: ICSA Acquired: 9/19/2009 16:47:02 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Sr4077	Ti3349	W_2079
Units	ppm	ppm	ppm
Avg	.0058	.0028	.0439
Stddev	.0000	.0002	.0001
%RSD	.3956	6.790	.3241
#1	.0058	.0027	.0438
#2	.0058	.0029	.0440

Check ? Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	95947.	16704.	1997.1	4034.8
Stddev	138.	65.	1.1	5.0
%RSD	.14388	.38922	.05751	.12505
#1	95850.	16750.	1997.9	4038.3
#2	96045.	16658.	1996.3	4031.2

Sample Name: ICSAB Acquired: 9/19/2009 16:53:16 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5156	.5058	1.070	4954	4930	4715	.5248	.9528	1.060
Stddev	.0012	.0012	.003	0010	.0011	.0011	.0005	.0015	.001
%RSD	.2401	.2463	.2302	.2069	.2246	.2340	.0965	.1532	.0886
#1	.5147	.5050	1.069	4947	4922	4707	.5251	.9518	1.059
#2	.5164	.5067	1.072	4962	4938	4723	.5244	.9538	1.061

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 Value Range

Elem	V_2924	Zn2062	As1890	Ti1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4931	.9905	1.015	1.003	9809	1.009	1.033	498.1	389.4
Stddev	.0005	.0018	.001	.002	.0054	.002	.004	1.0	.1
%RSD	.1101	.1862	.0548	.2180	.5463	.1443	.3832	.2042	.0281
#1	.4935	.9892	1.015	1.004	9771	1.008	1.031	498.8	389.3
#2	.4927	.9918	1.016	1.001	9847	1.010	1.036	497.4	389.4

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 Value Range

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	202.5	530.4	.2438	4321	-.0012	4879	.5272	.0050	-.0058
Stddev	.1	.1	.0071	.0023	.0004	.0015	.0003	.0046	.0007
%RSD	.0387	.0264	2.919	.5340	33.52	.3010	.0624	91.09	12.66
#1	202.5	530.3	.2387	4305	-.0015	4869	.5270	.0082	-.0064
#2	202.4	530.5	.2488	4338	-.0009	4890	.5274	.0018	-.0053

Check ? Chk Pass Chk Pass None None None Chk Pass Chk Pass None None  
 Value Range

Sample Name: ICSAB Acquired: 9/19/2009 16:53:16 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Sr4077	Ti3349	W_2079
Units	ppm	ppm	ppm
Avg	.0058	.0035	.5993
Stddev	.0001	.0004	.0015
%RSD	1.619	10.13	.2524
#1	.0057	.0038	.6004
#2	.0059	.0033	.5983

Check ? None None Chk Pass  
 Value Range

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	96252.	16729.	2006.2	4043.6
Stddev	9.	42.	5.5	7.4
%RSD	.00975	.24923	.27427	.18352
#1	96259.	16699.	2010.1	4048.9
#2	96246.	16758.	2002.3	4038.4

Sample Name: CCV Acquired: 9/19/2009 16:59:27 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.016	2.064	2.025	2.055	2.042	1.934	2.127	2.062	.2458
Stddev	.003	.005	.028	.028	.009	.014	.025	.029	.0028
%RSD	.1631	.2278	1.372	1.376	4.288	.7300	1.172	1.421	1.140
#1	2.019	2.067	2.045	2.075	2.035	1.924	2.109	2.083	.2438
#2	2.014	2.060	2.005	2.035	2.048	1.944	2.145	2.041	.2478

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 Value Range

Elem	V_2924	Zn2062	As1890	Ti1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.979	2.113	2.005	2.068	2.067	1.990	1.991	40.20	41.60
Stddev	.015	.025	.027	.022	.026	.030	.027	.04	.03
%RSD	.7619	1.173	1.362	1.086	1.284	1.488	1.366	.0966	.0617
#1	1.968	2.131	2.024	2.084	2.085	2.011	2.011	40.17	41.62
#2	1.989	2.096	1.986	2.052	2.048	1.969	1.972	40.23	41.58

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 Value Range

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	41.29	41.69	40.15	40.40	2.006	2.030	1.947	5.084	2.070
Stddev	.06	.00	.03	.00	.028	.029	.011	.071	.029
%RSD	.1510	.0010	.0684	.0116	1.399	1.411	.5713	1.403	1.404
#1	41.33	41.69	40.13	40.40	2.026	2.050	1.939	5.135	2.091
#2	41.25	41.69	40.17	40.40	1.986	2.009	1.955	5.034	2.050

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 Value Range

Sample Name: CCV Acquired: 9/19/2009 16:59:27 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Sr4077	Ti3349	W_2079
Units	ppm	ppm	ppm
Avg	2.078	2.005	1.989
Stddev	.004	.022	.014
%RSD	.1817	1.118	.7134

#1	2.081	1.989	1.999
#2	2.075	2.021	1.979

Check ? Chk Pass Chk Pass Chk Pass  
 Value  
 Range

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	102320.	17108.	2168.8	4612.0
Stddev	758.	10.	25.8	45.1
%RSD	.74081	.05832	1.1910	.97779

#1	102860.	17101.	2150.6	4580.2
#2	101790.	17115.	2187.1	4643.9

Sample Name: CCB Acquired: 9/19/2009 17:05:26 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0001	.0004	.0004	.0003	-.0005	.0003	.0003	-.0003
Stddev	.0002	.0001	.0001	.0003	.0001	.0003	.0000	.0004	.0003
%RSD	211.4	95.96	19.75	85.55	28.29	53.82	14.46	117.5	90.82

#1	.0000	.0000	.0005	.0002	.0004	-.0003	.0003	.0001	-.0001
#2	.0002	.0001	.0004	.0006	.0003	-.0007	.0002	.0006	-.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0003	.0014	.0016	.0010	.0002	.0001	.0097	.0175
Stddev	.0001	.0001	.0002	.0007	.0008	.0002	.0001	.0115	.0093
%RSD	48.21	20.51	14.70	46.38	80.19	85.11	110.1	119.2	53.23

#1	.0002	.0002	.0013	.0021	.0015	.0001	.0002	.0015	.0109
#2	.0001	.0003	.0016	.0011	.0004	.0004	.0000	.0178	.0241

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0070	.0060	.0755	.1169	.0014	.0012	-.0011	.0053	.0005
Stddev	.0051	.0197	.0119	.0013	.0004	.0001	.0008	.0005	.0001
%RSD	72.47	328.8	15.80	1.144	27.44	5.119	75.27	9.919	17.24

#1	.0034	-.0079	.0671	.1159	.0017	.0012	-.0017	.0050	.0006
#2	.0106	.0199	.0840	.1178	.0011	.0011	-.0005	.0057	.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

Sample Name: CCB Acquired: 9/19/2009 17:05:26 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Sr4077	Ti3349	W_2079
Units	ppm	ppm	ppm
Avg	.0002	.0002	.0049
Stddev	.0001	.0005	.0003
%RSD	33.27	343.2	5.865

#1	.0001	-.0002	.0052
#2	.0002	.0005	.0047

Check ? Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	106010.	17351.	2241.8	4939.4
Stddev	893.	31.	57.8	118.5
%RSD	.84271	.18042	2.5784	2.3990

#1	106650.	17373.	2282.7	5023.2
#2	105380.	17328.	2200.9	4855.7

Sample Name: JA27670-5-2 Acquired: 9/19/2009 17:11:39 Type: Unk  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6840	-.0001	.0000	.0011	.0151	.0543	.3535	.0074	.0001
Stddev	.0014	.0000	.0001	.0003	.0003	.0000	.0003	.0005	.0003
%RSD	.2056	14.65	400.4	28.12	1.938	.0802	.0790	6.347	425.2

#1	.6850	-.0001	.0001	.0009	.0149	.0544	.3537	.0078	-.0002
#2	.6830	-.0001	.0000	.0013	.0153	.0543	.3533	.0071	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0032	.2651	.1317	.0000	.4319	-.0012	.0013	.9388	118.5
Stddev	.0003	.0001	.0002	.001	.0006	.0008	.0001	.0000	.2
%RSD	8.576	.0466	.1523	2076.	.1443	60.96	7.502	.0025	.1826

#1	.0030	.2652	.1315	.0005	.4323	-.0018	.0012	.9389	118.7
#2	.0033	.2651	.1318	-.0006	.4314	-.0007	.0013	.9388	118.3

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	29.83	45.05	13.08	16.02	.1898	.0016	-.0026	15.44	.0214
Stddev	.10	.02	.03	.04	.0002	.0000	.0005	.02	.0002
%RSD	.3205	.0504	.1954	.2761	.0816	1.147	20.89	.1049	.8852

#1	29.90	45.07	13.10	16.05	.1899	.0016	-.0022	15.45	.0216
#2	29.76	45.04	13.07	15.98	.1897	.0016	-.0030	15.43	.0213

Elem	Sr4077	Ti3349	W_2079
Units	ppm	ppm	ppm
Avg	.7496	.0247	.0171
Stddev	.0011	.0002	.0002
%RSD	.1519	.9637	1.089

#1	.7504	.0245	.0172
#2	.7488	.0249	.0170

Check ? Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	102670.	17209.	2130.5	4583.6
Stddev	154.	8.	3.4	1.5
%RSD	.15007	.04576	.15921	.03189

#1	102560.	17203.	2128.1	4582.5
#2	102770.	17215.	2132.9	4584.6

Sample Name: JA27670-6 Acquired: 9/19/2009 17:17:44 Type: Unk
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 10 columns (Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280) and 10 rows of data including Avg, Stddev, %RSD, and duplicate values for #1 and #2.

Sample Name: JA27670-10 Acquired: 9/19/2009 17:23:47 Type: Unk
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 10 columns (Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280) and 10 rows of data including Avg, Stddev, %RSD, and duplicate values for #1 and #2.

6.1 6

Sample Name: JA27670-1F Acquired: 9/19/2009 17:29:55 Type: Unk
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 10 columns (Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280) and 10 rows of data including Avg, Stddev, %RSD, and duplicate values for #1 and #2.

Sample Name: JA27670-2F Acquired: 9/19/2009 17:36:05 Type: Unk
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 10 columns (Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280) and 10 rows of data including Avg, Stddev, %RSD, and duplicate values for #1 and #2.

Sample Name: JA27670-3F Acquired: 9/19/2009 17:42:08 Type: Unk  
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
User: admin Custom ID1: Custom ID2: Custom ID3:  
Comment:

Table with 10 columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Rows include Avg, Stddev, %RSD for each element and duplicate rows for #1 and #2. Includes Int. Std. section for Y\_3600, Y\_3710, Y\_2243, In2306.

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Sample Name: JA27670-4F Acquired: 9/19/2009 17:48:14 Type: Unk  
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
User: admin Custom ID1: Custom ID2: Custom ID3:  
Comment:

Table with 10 columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Rows include Avg, Stddev, %RSD for each element and duplicate rows for #1 and #2. Includes Int. Std. section for Y\_3600, Y\_3710, Y\_2243, In2306.

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Sample Name: JA27169-1 Acquired: 9/19/2009 17:54:27 Type: Unk  
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
User: admin Custom ID1: Custom ID2: Custom ID3:  
Comment:

Table with 10 columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Rows include Avg, Stddev, %RSD for each element and duplicate rows for #1 and #2. Includes Int. Std. section for Y\_3600, Y\_3710, Y\_2243, In2306.

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Sample Name: JA27169-3 Acquired: 9/19/2009 18:00:33 Type: Unk  
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
User: admin Custom ID1: Custom ID2: Custom ID3:  
Comment:

Table with 10 columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Rows include Avg, Stddev, %RSD for each element and duplicate rows for #1 and #2. Includes Int. Std. section for Y\_3600, Y\_3710, Y\_2243, In2306.

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Sample Name: JA27169-4 Acquired: 9/19/2009 18:06:46 Type: Unk  
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
User: admin Custom ID1: Custom ID2: Custom ID3:  
Comment:

Table with 10 columns (Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280) and 3 rows per element (Units, Avg, Stddev, %RSD, #1, #2). Includes sections for Fe2599, Mg2790, Sr4077, and Int. Std.

Sample Name: CCV Acquired: 9/19/2009 18:12:57 Type: QC  
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
User: admin Custom ID1: Custom ID2: Custom ID3:  
Comment:

Table with 10 columns (Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280) and 3 rows per element (Units, Avg, Stddev, %RSD, #1, #2). Includes Check Value Range and sections for V\_2924, Fe2599, and Int. Std.

Sample Name: CCV Acquired: 9/19/2009 18:12:57 Type: QC  
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
User: admin Custom ID1: Custom ID2: Custom ID3:  
Comment:

Table with 4 columns (Elem, Sr4077, Ti3349, W\_2079) and 3 rows per element (Units, Avg, Stddev, %RSD, #1, #2). Includes Int. Std. section.

Sample Name: CCB Acquired: 9/19/2009 18:18:55 Type: QC  
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
User: admin Custom ID1: Custom ID2: Custom ID3:  
Comment:

Table with 10 columns (Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280) and 3 rows per element (Units, Avg, Stddev, %RSD, #1, #2). Includes Check Value Range and sections for V\_2924, Fe2599, and Int. Std.

Sample Name: CCB Acquired: 9/19/2009 18:18:55 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Sr4077	Ti3349	W_2079
Units	ppm	ppm	ppm
Avg	.0006	.0009	-.0014
Stddev	.0001	.0001	.0005
%RSD	18.49	15.44	37.99
#1	.0005	.0010	-.0010
#2	.0007	.0008	-.0018

Check ? Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	105760.	16173.	2234.7	4943.6
Stddev	1041.	591.	47.2	89.1
%RSD	.98472	3.6526	2.1107	1.8030
#1	105020.	16591.	2268.1	5006.6
#2	106490.	15755.	2201.4	4880.5

Sample Name: MP49698-S1 1 Acquired: 9/19/2009 18:25:07 Type: Unk  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	2.614	.0471	.0528	.4930	.2011	.3823	1.552	.5285	.0480
Stddev	.006	.0000	.0001	.0009	.0005	.0001	.003	.0001	.0004
%RSD	.2476	.0032	.1613	.1916	.2289	.0163	.1888	.0160	.8674
#1	2.609	.0471	.0529	.4924	.2008	.3824	1.554	.5286	.0483
#2	2.618	.0471	.0528	.4937	.2014	.3823	1.549	.5285	.0477

Elem	V_2924	Zn2062	As1890	Ti1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.4804	.9301	1.887	1.899	.5211	1.866	.4693	2.087	49.97
Stddev	.0003	.0007	.002	.005	.0012	.006	.0017	.007	.19
%RSD	.0582	.0764	.0929	.2482	.2240	.3020	.3544	.3308	.3862
#1	.4802	.9296	1.888	1.896	.5203	1.870	.4681	2.092	49.83
#2	.4806	.9306	1.886	1.903	.5219	1.862	.4705	2.082	50.10

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	106.5	31.16	33.58	41.71	.0259	.0019	.0000	4.130	.0138
Stddev	.4	.14	.06	.03	.0003	.0002	.0006	.005	.0009
%RSD	.3623	.4545	.1716	.0767	1.299	11.60	11080.	.1250	6.455
#1	106.2	31.06	33.54	41.69	.0257	.0017	-.0004	4.127	.0132
#2	106.7	31.26	33.62	41.73	.0261	.0020	.0004	4.134	.0145

Elem	Sr4077	Ti3349	W_2079
Avg	.1480	.0154	.0311
Stddev	.0007	.0004	.0002
%RSD	.4718	2.833	.7415
#1	.1475	.0151	.0309
#2	.1485	.0157	.0313

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	102570.	17263.	2140.9	4658.0
Stddev	67.	56.	1.7	7.2
%RSD	.06530	.32564	.08076	.15531
#1	102520.	17303.	2142.1	4663.2
#2	102610.	17224.	2139.7	4652.9

Sample Name: MP49698-S2 Acquired: 9/19/2009 18:31:06 Type: Unk  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	2.618	.0473	.0524	.4908	.2001	.3865	1.559	.5259	.0480
Stddev	.001	.0002	.0003	.0003	.0004	.0006	.002	.0008	.0000
%RSD	.0375	.3257	.4769	.0659	.1790	.1540	.1382	.1489	.0709
#1	2.618	.0472	.0523	.4905	.2004	.3869	1.557	.5265	.0480
#2	2.617	.0474	.0526	.4910	.1999	.3860	1.560	.5254	.0480

Elem	V_2924	Zn2062	As1890	Ti1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.4765	.9290	1.873	1.896	.5211	1.855	.4692	2.111	50.33
Stddev	.0008	.0035	.002	.002	.0009	.005	.0006	.006	.04
%RSD	.1763	.3794	.0907	.0925	.1776	.2963	.1341	.2630	.0795
#1	.4771	.9265	1.874	1.895	.5204	1.859	.4696	2.115	50.30
#2	.4759	.9315	1.872	1.897	.5217	1.851	.4687	2.107	50.36

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	106.5	31.23	33.45	41.85	.0267	.0017	-.0001	4.195	.0134
Stddev	.1	.04	.04	.05	.0004	.0001	.0000	.008	.0001
%RSD	.0683	.1264	.1260	.1239	1.324	6.918	24.99	.1817	.6571
#1	106.6	31.26	33.48	41.89	.0264	.0017	-.0001	4.200	.0133
#2	106.5	31.20	33.42	41.81	.0269	.0018	-.0001	4.190	.0134

Elem	Sr4077	Ti3349	W_2079
Avg	.1502	.0154	.0283
Stddev	.0003	.0008	.0016
%RSD	.1860	5.139	5.760
#1	.1500	.0149	.0295
#2	.1504	.0160	.0272

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	101660.	17152.	2121.3	4636.1
Stddev	57.	14.	1.9	.9
%RSD	.05588	.08429	.09177	.01894
#1	101620.	17142.	2120.0	4636.8
#2	101700.	17162.	2122.7	4635.5

Sample Name: MP49698-SD1 Acquired: 9/19/2009 18:37:04 Type: Unk  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 5.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	2.7658	-.0009	-.0017	.0115	.0100	.1740	1.161	.0388	.0021
Stddev	.0029	.0000	.0008	.0004	.0018	.0157	.114	.0002	.0003
%RSD	.3764	3.142	44.70	3.247	18.27	9.019	9.822	.6006	12.49
#1	.7638	-.0009	-.0012	.0118	.0087	.1629	1.080	.0386	.0019
#2	.7679	-.0008	-.0023	.0112	.0113	.1851	1.241	.0389	.0023

Elem	V_2924	Zn2062	As1890	Ti1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0001	.4707	.0202	.0106	.0424	.0021	.0019	.1758	25.54
Stddev	.0003	.0005	.0039	.0033	.0007	.0003	.0048	.0588	.06
%RSD	343.8	.1118	19.15	31.01	1.697	15.94	250.5	33.43	.2223
#1	-.0001	.4703	.0229	.0129	.0429	.0018	.0053	.1343	25.50
#2	.0003	.4710	.0175	.0083	.0419	.0023	-.0015	.2174	25.59

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	103.6	6.469	8.971	17.24	.0227	-.0004	-.0056	4.040	.0127
Stddev	.0	.026	.003	.01	.0006	.0002	.0003	.010	.0015
%RSD	.0192	.4042	.0316	.0701	2.436	39.36	4.506	.2464	11.76
#1	103.6	6.450	8.973	17.23	.0223	-.0005	-.0055	4.047	.0117
#2	103.6	6.487	8.969	17.25	.0231	-.0003	-.0058	4.033	.0138

Elem	Sr4077	Ti3349	W_2079
Avg	.1458	.0133	-.0447
Stddev	.0007	.0017	.0042
%RSD	.5045	12.92	9.383
#1	.1453	.0121	-.0418
#2	.1463	.0145	-.0477

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	98208.	17178.	2201.3	4882.4
Stddev	8230.	5.	4.7	10.7
%RSD	8.3799	.02702	.21449	.21867
#1	104030.	17175.	2204.7	4889.9
#2	92389.	17182.	2198.0	4874.8

Sample Name: JA27169-5-2 Acquired: 9/19/2009 18:43:11 Type: Unk Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000 User: admin Custom ID1: Custom ID2: Custom ID3: Comment:

Table with columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Rows include Avg, Stddev, %RSD for multiple elements, and Int. Std. data.

Sample Name: JA27169-6 Acquired: 9/19/2009 18:49:14 Type: Unk Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000 User: admin Custom ID1: Custom ID2: Custom ID3: Comment:

Table with columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Rows include Avg, Stddev, %RSD for multiple elements, and Int. Std. data.

Sample Name: JA27169-7 Acquired: 9/19/2009 18:55:18 Type: Unk Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000 User: admin Custom ID1: Custom ID2: Custom ID3: Comment:

Table with columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Rows include Avg, Stddev, %RSD for multiple elements, and Int. Std. data.

Sample Name: JA27169-8 Acquired: 9/19/2009 19:01:25 Type: Unk Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000 User: admin Custom ID1: Custom ID2: Custom ID3: Comment:

Table with columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Rows include Avg, Stddev, %RSD for multiple elements, and Int. Std. data.

Sample Name: MP49656-MB1CONF Acquired: 9/19/2009 19:07:30 Type: Unk
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem Ba4554 Be3130 Cd2288 Co2286 Cr2677 Cu3247 Mn2576 Ni2316 Ag3280
Avg .0000 -.0002 -.0002 -.0004 .0004 .0001 .0003 .0002 .0000
Stddev .0000 .0000 .0001 .0002 .0001 .0005 .0000 .0000 .0000

Elem V\_2924 Zn2062 As1890 Ti1908 Pb2203 Se1960 Sb2068 Al3961 Ca3179
Avg -.0003 .0064 -.0001 .0004 .0004 -.0016 -.0007 -.0299 .1224
Stddev .0003 .0001 .0000 .0003 .0001 .0016 .0004 .0008 .0008

Elem Fe2599 Mg2790 K\_7664 Na5895 B\_2089 Mo2020 Pd3404 Si2124 Sn1899
Avg .0130 .0116 -.0355 .0453 -.0003 -.0006 -.0021 .0126 .0092
Stddev .0006 .0056 .0139 .0047 .0004 .0000 .0005 .0003 .0003

Elem Sr4077 Ti3349 W\_2079
Avg .0000 .0008 -.0145
Stddev .0000 .0002 .0002
%RSD 496.7 20.37 1.317

Int. Std. Y\_3600 Y\_3710 Y\_2243 In2306
Avg 106830. 18110. 2274.0 5088.3
Stddev 519. 52. 22.5 42.6

#1 .0126 .0156 -.0454 .0420 -.0006 -.0007 -.0018 .0124 .0095
#2 .0134 .0077 -.0257 .0486 .0001 -.0006 -.0025 .0129 .0090

Sample Name: MP49681-MB1 Acquired: 9/19/2009 19:13:39 Type: Unk
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem Ba4554 Be3130 Cd2288 Co2286 Cr2677 Cu3247 Mn2576 Ni2316 Ag3280
Avg -.0002 -.0002 -.0003 -.0002 .0002 .0002 -.0002 -.0001 .0002
Stddev .0000 .0001 .0002 .0002 .0001 .0000 .0000 .0000 .0003

Elem V\_2924 Zn2062 As1890 Ti1908 Pb2203 Se1960 Sb2068 Al3961 Ca3179
Avg .0001 .0017 -.0001 .0000 .0000 .0000 -.0011 -.0003 -.0041
Stddev .0004 .0000 .0009 .0003 .001 .0002 .0007 .0056 .0002

Elem Fe2599 Mg2790 K\_7664 Na5895 B\_2089 Mo2020 Pd3404 Si2124 Sn1899
Avg .0006 .0046 -.0486 .0227 -.0007 -.0006 .0001 .0026 .0036
Stddev .0011 .0042 .0135 .0053 .0003 .0001 .0020 .0016 .0008

Elem Sr4077 Ti3349 W\_2079
Avg -.0001 -.0003 -.0146
Stddev .0000 .0001 .0008

Int. Std. Y\_3600 Y\_3710 Y\_2243 In2306
Avg 106550. 17950. 2236.2 4988.5
Stddev 368. 83. 42.2 92.1

#1 .0013 .0076 -.0581 .0264 -.0009 -.0005 .0002 .0136 .0008
#2 -.0002 .0016 -.0390 .0190 -.0005 -.0007 -.0026 .0135 .0002

Sample Name: MP49681-LC1 Acquired: 9/19/2009 19:19:49 Type: Unk
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem Ba4554 Be3130 Cd2288 Co2286 Cr2677 Cu3247 Mn2576 Ni2316 Ag3280
Avg .4975 .5133 .4915 .5098 .5138 .4553 .5219 .5223 .1981
Stddev .0003 .0003 .0011 .0008 .0001 .0006 .0000 .0001 .0003

Elem V\_2924 Zn2062 As1890 Ti1908 Pb2203 Se1960 Sb2068 Al3961 Ca3179
Avg .4977 .5311 .4709 .5015 .5232 .4795 .4735 5.055 5.870
Stddev .0006 .0005 .0021 .0015 .0001 .0015 .0006 .001 .028

Elem Fe2599 Mg2790 K\_7664 Na5895 B\_2089 Mo2020 Pd3404 Si2124 Sn1899
Avg 5.607 5.780 10.14 10.41 .0018 .5017 .0007 .0596 -.0003
Stddev .023 .013 .04 .02 .0003 .0010 .0016 .0010 .0002

Elem Sr4077 Ti3349 W\_2079
Avg .0000 .4969 -.0017
Stddev .0000 .0003 .0001

Int. Std. Y\_3600 Y\_3710 Y\_2243 In2306
Avg 104090. 17075. 2207.5 4838.1
Stddev 29. 123. 5.6 8.2

#1 5.623 5.771 10.17 10.43 .0020 .5023 .0004 .0603 -.0004
#2 5.590 5.790 10.11 10.40 .0016 .5010 .0018 .0589 -.0002

Sample Name: CCV Acquired: 9/19/2009 19:25:49 Type: QC
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem Units Ba4554 Be3130 Cd2288 Co2286 Cr2677 Cu3247 Mn2576 Ni2316 Ag3280
Avg 1.959 2.025 1.982 2.018 2.017 1.872 2.032 2.033 .2394
Stddev .003 .002 .000 .001 .010 .003 .004 .001 .0000

Elem V\_2924 Zn2062 As1890 Ti1908 Pb2203 Se1960 Sb2068 Al3961 Ca3179
Avg 1.984 2.092 1.964 2.034 2.030 1.947 1.930 39.62 40.91
Stddev .0009 .0002 .003 .011 .002 .003 .003 .03 .06

Elem Fe2599 Mg2790 K\_7664 Na5895 B\_2089 Mo2020 Pd3404 Si2124 Sn1899
Avg 40.51 41.01 39.78 39.92 1.955 2.000 1.885 4.826 2.038
Stddev .01 .06 .08 .02 .001 .002 .002 .002 .004

Elem Int. Std. Y\_3600 Y\_3710 Y\_2243 In2306
Avg 40.51 40.97 39.73 39.91 1.956 1.999 1.886 4.825 2.035
Stddev 40.50 41.05 39.84 39.94 1.955 2.002 1.883 4.828 2.041

Elem Int. Std. Y\_3600 Y\_3710 Y\_2243 In2306
Avg 40.51 40.97 39.73 39.91 1.956 1.999 1.886 4.825 2.035
Stddev 40.50 41.05 39.84 39.94 1.955 2.002 1.883 4.828 2.041

Sample Name: CCV Acquired: 9/19/2009 19:25:49 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Sr4077	Ti3349	W_2079
Units	ppm	ppm	ppm
Avg	2.022	1.959	1.946
Stddev	.000	.001	.008
%RSD	.0118	.0307	.4185

#1	2.022	1.959	1.940
#2	2.022	1.960	1.951

Check ? Chk Pass Chk Pass Chk Pass  
 Value  
 Range

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	102270.	16828.	2169.7	4614.5
Stddev	434.	22.	1.6	5.4
%RSD	.42452	.12886	.07411	.11640

#1	102570.	16843.	2168.6	4618.3
#2	101960.	16813.	2170.8	4610.7

Sample Name: CCB Acquired: 9/19/2009 19:31:48 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0002	.0000	.0001	.0001	.0001	.0002	.0001	.0001
Stddev	.0002	.0002	.000	.0000	.0002	.0002	.0001	.0000	.0000
%RSD	121.6	111.0	48.90	32.44	150.2	146.2	51.53	16.92	19.88

#1	.0000	.0000	.0000	.0001	.0003	.0002	.0003	.0001	.0001
#2	.0004	.0003	.0000	.0001	.0000	.0000	.0001	.0001	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

Elem	V_2924	Zn2062	As1890	Ti1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0000	.0018	.0006	.0000	.0003	.0000	.0042	.0070
Stddev	.000	.0001	.0009	.0001	.000	.0004	.001	.0048	.0058
%RSD	334.1	218.4	46.77	15.56	898.9	119.4	2294.	114.1	82.90

#1	.0001	.0001	.0012	.0005	.0002	.0000	.0003	.0076	.0029
#2	.0001	.0000	.0024	.0007	.0001	.0006	.0004	.0008	.0110

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0038	.0164	.0279	.0250	.0006	.0006	.0000	.0041	.0000
Stddev	.0046	.0108	.0137	.0057	.0004	.0004	.002	.0010	.0002
%RSD	121.0	65.89	49.10	22.72	66.92	65.80	3479.	24.42	631.9

#1	.0006	.0087	.0182	.0210	.0003	.0008	.0011	.0048	.0002
#2	.0071	.0240	.0375	.0290	.0008	.0003	.0011	.0034	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

Sample Name: CCB Acquired: 9/19/2009 19:31:48 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Sr4077	Ti3349	W_2079
Units	ppm	ppm	ppm
Avg	.0002	.0002	.0048
Stddev	.0002	.0000	.0021
%RSD	114.5	.3626	44.87

#1	.0000	.0002	.0033
#2	.0004	.0002	.0063

Check ? Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	104850.	16944.	2247.5	4958.1
Stddev	214.	36.	2.2	6.1
%RSD	.20363	.21264	.09927	.12231

#1	104700.	16970.	2249.0	4962.4
#2	105000.	16919.	2245.9	4953.8

Sample Name: MP49681-S1 Acquired: 9/19/2009 19:38:01 Type: Unk  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.913	.0481	.0502	.4797	.2021	.2284	.5987	.4897	.0474
Stddev	.002	.0000	.0001	.0004	.0002	.0005	.0027	.0001	.0004
%RSD	.0897	.0083	.1722	.0893	.1168	.2281	.4566	.0287	.7577

#1	1.914	.0481	.0501	.4800	.2023	.2287	.6006	.4896	.0476
#2	1.911	.0481	.0502	.4794	.2019	.2280	.5968	.4898	.0471

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

Elem	V_2924	Zn2062	As1890	Ti1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4657	.5766	1.845	1.977	.4868	1.840	.4621	2.699	37.52
Stddev	.0021	.0012	.000	.004	.0005	.002	.0012	.009	.00
%RSD	.4592	.2120	.0043	.2179	.1065	.1054	.2603	.3478	.0020

#1	.4672	.5774	1.845	1.981	.4864	1.841	.4629	2.706	37.52
#2	.4641	.5757	1.845	1.974	.4872	1.839	.4612	2.693	37.52

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	21.49	27.93	27.63	70.83	1489	.0001	.0030	2.151	.0009
Stddev	.02	.05	.01	.01	.0001	.0002	.0026	.000	.0003
%RSD	.0725	.1749	.0502	.0188	.0622	176.4	85.82	.0037	31.02

#1	21.50	27.89	27.62	70.82	1489	.0002	.0012	2.151	.0010
#2	21.48	27.96	27.64	70.84	1488	.0000	.0049	2.151	.0007

Elem	Sr4077	Ti3349	W_2079
Units	ppm	ppm	ppm
Avg	.1013	.0001	.0142
Stddev	.0001	.0000	.0011
%RSD	.0936	14.78	7.464

#1	.1014	.0002	.0149
#2	.1012	.0001	.0134

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	104500.	17365.	2223.7	4664.9
Stddev	238.	13.	2.8	5.7
%RSD	.22731	.07464	.12419	.12273

Sample Name: MP49681-S2 Acquired: 9/19/2009 19:44:00 Type: Unk  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	1.903	.0481	.0500	.4779	.1997	.2275	.5953	.4883	.0468
Stddev	.001	.0002	.0002	.0007	.0001	.0007	.0008	.0004	.0002
%RSD	.0441	.3776	.3997	.1467	.0663	.3223	.1346	.0766	.3908
#1	1.904	.0483	.0498	.4784	.1998	.2270	.5947	.4885	.0469
#2	1.903	.0480	.0501	.4774	.1996	.2280	.5958	.4880	.0467
Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.4658	.5738	1.842	1.960	.4849	1.833	.4600	2.724	37.40
Stddev	.0017	.0028	.001	.000	.0003	.002	.0020	.007	.08
%RSD	.3736	.4964	.0747	.0030	.0531	.1235	.4298	.2666	.2256
#1	.4671	.5758	1.842	1.961	.4851	1.834	.4614	2.729	37.34
#2	.4646	.5718	1.841	1.960	.4847	1.831	.4586	2.719	37.46
Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	21.59	27.65	27.79	71.06	.1500	.0000	-0.030	2.148	-0.009
Stddev	.03	.01	.02	.04	.0004	.0001	.0002	.007	.0001
%RSD	.1410	.0186	.0689	.0577	.2484	217.2	7.548	.3176	10.40
#1	21.57	27.65	27.77	71.03	.1497	.0000	-0.029	2.153	-0.008
#2	21.61	27.64	27.80	71.09	.1502	.0001	-0.032	2.143	-0.010
Elem	Sr4077	Tl3349	W_2079						
Avg	.1012	-0.0005	.0111						
Stddev	.0001	.0000	.0008						
%RSD	.1444	.3399	7.110						
#1	.1013	-0.0005	.0117						
#2	.1011	-0.0005	.0105						
Int. Std.	Y_3600	Y_3710	Y_2243	In2306					
Avg	105160.	17302.	2230.5	4680.8					
Stddev	404.	53.	5.4	13.6					
%RSD	.38370	.30413	.24341	.29000					
#1	104870.	17339.	2226.6	4671.2					
#2	105450.	17265.	2234.3	4690.4					

Sample Name: JA28143-2 Acquired: 9/19/2009 19:50:00 Type: Unk  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	1.107	-0.001	-0.005	.0036	.0080	.0153	.1150	.0068	-0.003
Stddev	.0005	.0000	.0001	.0001	.0000	.0003	.0004	.0003	.0001
%RSD	.4775	47.40	14.55	3.237	.2684	2.069	.3845	4.856	46.88
#1	1.1010	-0.0001	-0.0005	.0035	.0080	.0151	.1153	.0070	-0.002
#2	1.1004	-0.0001	-0.0004	.0037	.0080	.0155	.1146	.0066	-0.004
Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0003	.0874	.0047	.0002	.0066	.0004	.0002	.8386	12.25
Stddev	.0002	.0009	.0004	.0003	.0005	.0007	.0006	.0064	.06
%RSD	53.97	1.066	9.575	174.5	7.914	200.8	224.3	.7664	.5177
#1	.0004	.0881	.0050	.0000	.0070	-0.0002	.0006	.8341	12.29
#2	.0002	.0867	.0044	.0004	.0062	.0009	-0.001	.8432	12.20
Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	20.38	2.397	3.102	46.28	.1458	.0000	-0.008	2.075	-0.004
Stddev	.10	.002	.022	.04	.0013	.0001	.0004	.019	.0004
%RSD	.5004	.0827	.7037	.0934	.8756	260.9	56.38	.9320	86.52
#1	20.45	2.399	3.086	46.31	.1467	.0000	-0.011	2.088	-0.007
#2	20.30	2.396	3.117	46.25	.1449	.0001	-0.005	2.061	-0.002
Elem	Sr4077	Tl3349	W_2079						
Avg	.0999	-0.0007	-0.0064						
Stddev	.0004	.0001	.0008						
%RSD	.4038	21.03	12.54						
#1	.1002	-0.0008	-0.0070						
#2	.0997	-0.0006	-0.0059						
Int. Std.	Y_3600	Y_3710	Y_2243	In2306					
Avg	106590.	17550.	2281.2	4893.5					
Stddev	243.	88.	17.7	28.2					
%RSD	.22796	.50353	.77682	.57627					
#1	106420.	17487.	2268.7	4873.5					
#2	106760.	17612.	2293.7	4913.4					

6.1  
6

Sample Name: MP49681-SD1 Acquired: 9/19/2009 19:56:06 Type: Unk  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 5.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	.1073	-0.0010	-0.016	.0028	.0076	.0182	.1189	.0069	-0.0005
Stddev	.0094	.0003	.0006	.0013	.0010	.0001	.0002	.0011	.0004
%RSD	8.802	25.63	37.21	45.46	13.73	.6952	.1383	15.25	81.35
#1	.1006	-0.0012	-0.012	.0038	.0083	.0181	.1190	.0076	-0.0008
#2	.1140	-0.0008	-0.021	.0019	.0069	.0183	.1188	.0062	-0.0002
Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	-0.0030	.0906	.0108	-0.0001	.0069	-0.0012	-0.0003	.8816	13.12
Stddev	.0023	.0008	.0071	.0038	.0025	.0032	.0029	.1051	1.07
%RSD	76.72	.9095	66.09	6810.	35.98	267.7	1166.	11.92	8.181
#1	-0.0014	.0911	.0158	-0.0028	.0086	.0011	-0.0023	.8073	12.36
#2	-0.0046	.0900	.0057	.0026	.0051	-0.0034	.0018	.9559	13.88
Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	21.76	2.551	3.422	49.67	.1491	-0.0027	-0.0099	2.143	-0.011
Stddev	1.81	.193	.313	3.85	.0022	.0006	.0043	.030	.0004
%RSD	8.336	7.581	9.137	7.759	1.448	22.68	43.65	1.425	36.85
#1	20.48	2.414	3.201	46.94	.1476	-0.0031	-0.0130	2.165	-0.008
#2	23.04	2.687	3.643	52.39	.1506	-0.0022	-0.0068	2.122	-0.013
Elem	Sr4077	Tl3349	W_2079						
Avg	.1050	-0.0016	-0.0685						
Stddev	.0086	.0008	.0035						
%RSD	8.178	50.63	5.142						
#1	.0990	-0.0022	-0.0660						
#2	.1111	-0.0010	-0.0710						
Int. Std.	Y_3600	Y_3710	Y_2243	In2306					
Avg	105920.	16978.	2295.9	5042.7					
Stddev	400.	1117.	27.3	64.6					
%RSD	.37811	6.5805	1.1875	1.2813					
#1	105630.	17768.	2276.6	4997.0					
#2	106200.	16188.	2315.2	5088.4					

Sample Name: JA27129-1 Acquired: 9/19/2009 20:02:14 Type: Unk  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	.5145	-0.0002	-0.009	.0001	-0.0007	.0054	2.220	.0017	.0003
Stddev	.0014	.0000	.0001	.0001	.0003	.0001	.001	.0000	.0000
%RSD	.2808	9.828	5.661	54.61	38.59	1.018	.0554	1.330	4.799
#1	.5134	-0.0002	-0.008	.0001	-0.0005	.0053	2.221	.0017	.0004
#2	.5155	-0.0002	-0.009	.0002	-0.0009	.0054	2.219	.0017	.0003
Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0008	-0.0026	.0019	.0003	-0.0007	-0.0007	-0.001	.0262	133.7
Stddev	.0001	.0002	.0000	.0003	.0000	.0012	.0008	.0019	.2
%RSD	17.10	7.779	1.603	95.02	3.932	180.2	81.18	7.450	.1807
#1	.0009	-0.0028	.0019	.0006	-0.0007	-0.0016	-0.0016	.0248	133.6
#2	.0007	-0.0025	.0019	.0001	-0.0007	-0.0002	-0.0004	.0276	133.9
Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	1.088	17.53	207.6	593.8	.1996	.0020	-0.0017	7.936	-0.013
Stddev	.003	.06	.2	3.0	.0008	.0002	.0001	.003	.0004
%RSD	.2671	.3369	.0970	.5002	.4116	7.449	5.282	.0431	27.15
#1	1.086	17.49	207.8	591.7	.1990	.0019	-0.0018	7.933	-0.011
#2	1.090	17.57	207.5	595.9	.2002	.0021	-0.0016	7.938	-0.016
Elem	Sr4077	Tl3349	W_2079						
Avg	.4910	.0010	-0.0012						
Stddev	.0011	.0002	.0005						
%RSD	.2317	15.84	45.58						
#1	.4902	.0012	-0.0008						
#2	.4918	.0009	-0.0016						
Int. Std.	Y_3600	Y_3710	Y_2243	In2306					
Avg	94388.	16459.	2019.7	4118.7					
Stddev	38.	8.	4.1	3.1					
%RSD	.04003	.05126	.20326	.07543					
#1	94361.	16465.	2022.6	4120.9					
#2	94414.	16453.	2016.8	4116.5					

Sample Name: JA27129-2 Acquired: 9/19/2009 20:08:24 Type: Unk
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 10 columns (Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280) and 10 rows of data including Avg, Stddev, %RSD, and duplicate sample numbers (#1, #2).

Sample Name: JA27129-3 Acquired: 9/19/2009 20:14:35 Type: Unk
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 10 columns (Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280) and 10 rows of data including Avg, Stddev, %RSD, and duplicate sample numbers (#1, #2).

6.1 6

Sample Name: JA27129-4 Acquired: 9/19/2009 20:20:45 Type: Unk
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 10 columns (Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280) and 10 rows of data including Avg, Stddev, %RSD, and duplicate sample numbers (#1, #2).

Sample Name: JA27129-5 Acquired: 9/19/2009 20:26:52 Type: Unk
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 10 columns (Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280) and 10 rows of data including Avg, Stddev, %RSD, and duplicate sample numbers (#1, #2).

Sample Name: JA27129-6 Acquired: 9/19/2009 20:33:10 Type: Unk  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	.1202	-.0002	-.0010	.0000	.0017	.0313	.0066	.0011	-.0004
Stddev	.0001	.0001	.0001	.0002	.0003	.0002	.0001	.0001	.0002
%RSD	.0987	26.52	12.22	449.9	17.03	.5478	1.569	7.963	59.79
#1	.1201	-.0002	-.0009	.0002	.0019	.0314	.0065	.0011	-.0005
#2	.1203	-.0002	-.0010	-.0001	.0015	.0312	.0067	.0012	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0015	.0115	.0008	.0000	.0004	-.0014	.0007	.0953	96.18
Stddev	.0001	.0007	.0002	.0002	.0009	.0010	.0006	.0089	.24
%RSD	6.505	6.275	25.66	907.5	262.8	69.84	87.88	9.377	25.43
#1	.0015	.0110	.0010	.0002	.0010	-.0007	.0003	.0890	96.01
#2	.0016	.0120	.0007	-.0001	-.0003	-.0020	.0012	.1017	96.36

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	.1464	17.86	4.915	179.5	.1059	.0036	-.0005	7.406	-.0016
Stddev	.0012	.05	.004	1.1	.0033	.0001	.0020	.302	.0002
%RSD	.8091	.2845	.0824	.6371	3.091	4.076	367.8	4.074	14.48
#1	.1473	17.82	4.918	178.7	.1036	.0035	.0009	7.193	-.0014
#2	.1456	17.89	4.912	180.3	.1082	.0037	-.0019	7.619	-.0017

Elem	Sr4077	Ti3349	W_2079
Avg	.2689	.0024	.0190
Stddev	.0005	.0001	.0016
%RSD	.1957	5.715	8.630
#1	.2685	.0023	.0178
#2	.2693	.0025	.0201

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	100700.	16649.	2155.8	4581.8
Stddev	376.	70.	72.9	157.8
%RSD	.37354	.41815	3.3814	3.4444
#1	100970.	16698.	2207.3	4693.4
#2	100430.	16599.	2104.3	4470.2

Sample Name: CCV Acquired: 9/19/2009 20:39:24 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.988	2.077	2.003	2.048	2.070	1.906	2.046	2.071	2.447
Stddev	.001	.001	.044	.043	.009	.001	.001	.044	.0005
%RSD	.0572	.0244	2.182	2.088	.4193	.0615	.0562	2.140	.1988
#1	1.987	2.077	1.972	2.018	2.064	1.905	2.045	2.040	.2444
#2	1.989	2.076	2.034	2.078	2.076	1.906	2.047	2.103	.2450

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 Value Range

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.072	2.131	2.004	2.085	2.058	1.989	1.942	40.46	42.04
Stddev	.003	.047	.042	.052	.044	.039	.042	.02	.01
%RSD	.1556	2.192	2.110	2.520	2.145	1.965	2.158	.0452	.0171
#1	2.069	2.098	1.974	2.048	2.027	1.962	1.913	40.45	42.04
#2	2.074	2.164	2.034	2.122	2.089	2.017	1.972	40.47	42.05

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 Value Range

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	41.67	42.15	40.75	40.00	1.974	2.039	1.922	4.739	2.071
Stddev	.01	.05	.04	.02	.039	.047	.007	.075	.044
%RSD	.0201	.1177	.1020	.0576	1.997	2.312	.3703	1.583	2.122
#1	41.68	42.12	40.72	40.01	1.946	2.006	1.917	4.686	2.040
#2	41.67	42.19	40.78	39.98	2.001	2.072	1.927	4.792	2.102

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 Value Range

6.1  
6

Sample Name: CCV Acquired: 9/19/2009 20:39:24 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Sr4077	Ti3349	W_2079
Units	ppm	ppm	ppm
Avg	2.054	2.008	1.983
Stddev	.001	.002	.050
%RSD	.0247	.0925	2.537
#1	2.055	2.009	1.947
#2	2.054	2.006	2.018

Check ? Chk Pass Chk Pass Chk Pass  
 Value Range

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	102230.	16764.	2191.9	4647.4
Stddev	271.	3.	42.4	77.3
%RSD	.26536	.02051	1.9333	1.6633
#1	102430.	16762.	2221.9	4702.1
#2	102040.	16767.	2162.0	4592.7

Sample Name: CCB Acquired: 9/19/2009 20:45:24 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0002	.0000	.0004	.0006	.0005	.0004	.0003	-.0002
Stddev	.0001	.0000	.000	.0000	.0001	.0003	.0001	.0001	.0003
%RSD	38.35	4.363	7523.	2.017	22.04	69.44	39.24	32.00	171.3
#1	.0004	.0002	.0001	.0004	.0007	.0007	.0003	.0004	-.0003
#2	.0002	.0002	-.0001	.0004	.0005	.0002	.0005	.0003	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0002	.0016	.0009	.0001	-.0008	.0003	.0048	.0223
Stddev	.0002	.0003	.0007	.0001	.0002	.0001	.0003	.0017	.0025
%RSD	157.0	133.9	43.97	16.11	287.8	16.31	80.59	34.64	11.33
#1	.0000	.0005	.0021	.0010	.0002	-.0007	.0005	.0060	.0241
#2	.0002	.0000	.0011	.0008	-.0001	-.0009	.0001	.0036	.0205

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0061	.0171	.0905	1363	.0013	.0008	-.0020	.0043	.0007
Stddev	.0003	.0214	.0063	0039	.0003	.0003	.0001	.0006	.0002
%RSD	4.733	124.9	7.010	2.880	21.23	42.87	6.283	13.98	24.87
#1	.0059	.0020	.0950	1390	.0015	.0011	-.0019	.0047	.0009
#2	.0063	.0323	.0860	1335	.0011	.0006	-.0021	.0039	.0006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit



Sample Name: CCB Acquired: 9/19/2009 20:45:24 Type: QC
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 4 columns: Elem, Sr4077, Ti3349, W\_2079. Rows include Avg, Stddev, %RSD, #1, #2.

Check ? Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Table with 5 columns: Int. Std, Y\_3600, Y\_3710, Y\_2243, In2306. Rows include Units, Avg, Stddev, %RSD, #1, #2.

Sample Name: JA27129-7 Acquired: 9/19/2009 20:51:35 Type: Unk
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 10 columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 10 columns: Elem, V\_2924, Zn2062, As1890, Ti1908, Pb2203, Se1960, Sb2068, Al3961, Ca3179. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 10 columns: Elem, Fe2599, Mg2790, K\_7664, Na5895, B\_2089, Mo2020, Pd3404, Si2124, Sn1899. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 4 columns: Elem, Sr4077, Ti3349, W\_2079. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 5 columns: Int. Std, Y\_3600, Y\_3710, Y\_2243, In2306. Rows include Avg, Stddev, %RSD, #1, #2.

Sample Name: JA28084-1 Acquired: 9/19/2009 20:57:52 Type: Unk
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 10 columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 10 columns: Elem, V\_2924, Zn2062, As1890, Ti1908, Pb2203, Se1960, Sb2068, Al3961, Ca3179. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 10 columns: Elem, Fe2599, Mg2790, K\_7664, Na5895, B\_2089, Mo2020, Pd3404, Si2124, Sn1899. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 4 columns: Elem, Sr4077, Ti3349, W\_2079. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 5 columns: Int. Std, Y\_3600, Y\_3710, Y\_2243, In2306. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 5 columns: Int. Std, Y\_3600, Y\_3710, Y\_2243, In2306. Rows include Avg, Stddev, %RSD, #1, #2.

Sample Name: JA28084-2 Acquired: 9/19/2009 21:04:04 Type: Unk
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 10 columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 10 columns: Elem, V\_2924, Zn2062, As1890, Ti1908, Pb2203, Se1960, Sb2068, Al3961, Ca3179. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 10 columns: Elem, Fe2599, Mg2790, K\_7664, Na5895, B\_2089, Mo2020, Pd3404, Si2124, Sn1899. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 4 columns: Elem, Sr4077, Ti3349, W\_2079. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 5 columns: Int. Std, Y\_3600, Y\_3710, Y\_2243, In2306. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 5 columns: Int. Std, Y\_3600, Y\_3710, Y\_2243, In2306. Rows include Avg, Stddev, %RSD, #1, #2.

Zoom In  
Zoom Out

Sample Name: JA28084-3 Acquired: 9/19/2009 21:10:16 Type: Unk  
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
User: admin Custom ID1: Custom ID2: Custom ID3:  
Comment:

Table with 11 columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Rows include Avg, Stddev, %RSD for each element and two duplicate rows for each element.

Zoom In  
Zoom Out

Sample Name: JA28084-4 Acquired: 9/19/2009 21:16:28 Type: Unk  
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
User: admin Custom ID1: Custom ID2: Custom ID3:  
Comment:

Table with 11 columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Rows include Avg, Stddev, %RSD for each element and two duplicate rows for each element.

6.1  
6

Zoom In  
Zoom Out

Sample Name: JA28084-5 Acquired: 9/19/2009 21:22:37 Type: Unk  
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
User: admin Custom ID1: Custom ID2: Custom ID3:  
Comment:

Table with 11 columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Rows include Avg, Stddev, %RSD for each element and two duplicate rows for each element.

Zoom In  
Zoom Out

Sample Name: JA28084-6 Acquired: 9/19/2009 21:28:55 Type: Unk  
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
User: admin Custom ID1: Custom ID2: Custom ID3:  
Comment:

Table with 11 columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Rows include Avg, Stddev, %RSD for each element and two duplicate rows for each element.

Sample Name: JA28084-7 Acquired: 9/19/2009 21:35:12 Type: Unk
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280, Avg, Stdev, %RSD, #1, #2. Data rows for various elements and standard deviations.

Sample Name: JA28143-1 Acquired: 9/19/2009 21:41:28 Type: Unk
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280, Avg, Stdev, %RSD, #1, #2. Data rows for various elements and standard deviations.

Sample Name: JA28143-3 Acquired: 9/19/2009 21:47:33 Type: Unk
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280, Avg, Stdev, %RSD, #1, #2. Data rows for various elements and standard deviations.

Sample Name: CCV Acquired: 9/19/2009 21:53:40 Type: QC
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with columns: Elem Units, Ba4554 ppm, Be3130 ppm, Cd2288 ppm, Co2286 ppm, Cr2677 ppm, Cu3247 ppm, Mn2576 ppm, Ni2316 ppm, Ag3280 ppm, Avg, Stdev, %RSD, Value Range. Data rows for various elements and standard deviations.

Sample Name: CCV Acquired: 9/19/2009 21:53:40 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Sr4077	Ti3349	W_2079
Units	ppm	ppm	ppm
Avg	2.142	1.969	2.005
Stddev	.117	.018	.022
%RSD	5.451	.8914	1.116

#1	2.224	1.981	2.021
#2	2.059	1.956	1.989

Check ? Chk Pass Chk Pass Chk Pass  
 Value  
 Range

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	106320.	17180.	2208.0	4711.9
Stddev	398.	714.	27.6	50.7
%RSD	.37393	4.1538	1.2503	1.0754

#1	106040.	16675.	2188.5	4676.1
#2	106600.	17685.	2227.6	4747.7

Sample Name: CCB Acquired: 9/19/2009 21:59:38 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0003	.0004	.0005	.0004	.0005	.0006	.0001	.0003
Stddev	.0002	.0001	.0005	.0003	.0002	.0002	.0001	.0001	.0002
%RSD	59.99	31.55	130.5	66.37	67.85	42.95	10.82	136.5	54.59

#1	.0002	.0002	.0007	.0008	.0002	.0007	.0005	.0002	.0004
#2	.0006	.0004	.0000	.0003	.0005	.0004	.0006	.0000	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0003	.0016	.0014	.0002	.0003	.0002	.0043	.0234
Stddev	.0001	.0005	.0012	.0002	.0008	.0005	.0002	.0058	.0058
%RSD	19.56	153.6	73.99	13.22	404.1	152.9	110.7	136.5	24.71

#1	.0005	.0007	.0025	.0016	.0008	.0007	.0000	.0001	.0193
#2	.0004	.0000	.0008	.0013	.0004	.0000	.0004	.0084	.0275

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0125	.0191	.0877	.1542	.0014	.0009	.0009	.0052	.0006
Stddev	.0024	.0137	.0012	.0076	.0001	.0004	.0024	.0016	.0002
%RSD	19.06	72.04	1.342	4.934	5.979	41.14	261.4	31.28	36.88

#1	.0108	.0094	.0869	.1488	.0015	.0012	.0008	.0063	.0008
#2	.0142	.0288	.0886	.1596	.0014	.0006	.0026	.0040	.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

Sample Name: CCB Acquired: 9/19/2009 21:59:38 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Sr4077	Ti3349	W_2079
Units	ppm	ppm	ppm
Avg	.0003	.0005	-.0047
Stddev	.0001	.0003	.0013
%RSD	19.61	56.56	27.68

#1	.0003	.0003	-.0038
#2	.0004	.0007	-.0056

Check ? Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	108040.	17897.	2306.7	5119.0
Stddev	61.	3.	8.2	15.7
%RSD	.05678	.01716	.35565	.30586

#1	107990.	17895.	2300.9	5108.0
#2	108080.	17899.	2312.5	5130.1

Sample Name: JA28144-1 Acquired: 9/19/2009 22:05:50 Type: Unk  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0899	-.0001	-.0002	.0017	.0005	.1816	.1026	.0031	.0000
Stddev	.0001	.0001	.0000	.0001	.0000	.0004	.0001	.0002	.0001
%RSD	.1503	144.9	3.008	5.872	3.684	.2060	.1274	7.182	643.8

#1	.0900	-.0001	-.0002	.0016	.0005	.1819	.1027	.0033	-.0001
#2	.0898	.0000	-.0002	.0018	.0005	.1813	.1025	.0030	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0849	.0046	.0006	.0035	.0022	.0003	.8331	10.96
Stddev	.0001	.0003	.0001	.0001	.0002	.0017	.0004	.0033	.01
%RSD	100.1	.3715	1.616	11.36	7.034	77.06	140.5	.3992	.0763

#1	-.0001	.0851	.0045	-.0005	.0036	.0010	-.0006	.8307	10.96
#2	.0000	.0847	.0046	-.0006	.0033	.0034	.0000	.8354	10.97

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	19.20	2.179	2.744	41.11	.1324	.0004	.0015	1.838	-.0010
Stddev	.02	.007	.020	.13	.0004	.0001	.0011	.002	.0001
%RSD	.0876	.3085	.7211	.3148	.2665	16.32	72.00	.1197	6.178

#1	19.21	2.184	2.730	41.02	.1326	-.0004	-.0022	1.836	-.0010
#2	19.18	2.174	2.758	41.20	.1321	-.0003	-.0007	1.839	-.0011

Elem	Sr4077	Ti3349	W_2079
Units	ppm	ppm	ppm
Avg	.0889	-.0002	-.0053
Stddev	.0002	.0000	.0013
%RSD	.2767	10.46	24.23

#1	.0890	-.0002	-.0044
#2	.0887	-.0002	-.0062

Check ? Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	109440.	18414.	2309.0	5008.9
Stddev	254.	16.	3.7	12.9
%RSD	.23205	.08833	.15877	.25700

#1	109260.	18403.	2306.4	4999.8
#2	109620.	18426.	2311.6	5018.0

Sample Name: JA28144-2 Acquired: 9/19/2009 22:11:56 Type: Unk  
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
User: admin Custom ID1: Custom ID2: Custom ID3:  
Comment:

Table with 10 columns (Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280) and 10 rows of data including Avg, Stddev, %RSD, and duplicate rows for each element.

Sample Name: JA28144-3 Acquired: 9/19/2009 22:18:02 Type: Unk  
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
User: admin Custom ID1: Custom ID2: Custom ID3:  
Comment:

Table with 10 columns (Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280) and 10 rows of data including Avg, Stddev, %RSD, and duplicate rows for each element.

6.1  
6

Sample Name: MP49675-MB1 Acquired: 9/19/2009 22:24:09 Type: Unk  
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
User: admin Custom ID1: Custom ID2: Custom ID3:  
Comment:

Table with 10 columns (Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280) and 10 rows of data including Avg, Stddev, %RSD, and duplicate rows for each element.

Sample Name: MP49675-LC1 Acquired: 9/19/2009 22:30:19 Type: Unk  
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
User: admin Custom ID1: Custom ID2: Custom ID3:  
Comment:

Table with 10 columns (Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280) and 10 rows of data including Avg, Stddev, %RSD, and duplicate rows for each element.

Sample Name: MP49675-S1 Acquired: 9/19/2009 22:36:19 Type: Unk
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:

Table with columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Rows include Avg, Stddev, %RSD for each element and multiple replicates (#1, #2).

Sample Name: MP49675-S2 Acquired: 9/19/2009 22:42:29 Type: Unk
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:

Table with columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Rows include Avg, Stddev, %RSD for each element and multiple replicates (#1, #2).

Sample Name: JA27495-7 Acquired: 9/19/2009 22:48:39 Type: Unk
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:

Table with columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Rows include Avg, Stddev, %RSD for each element and multiple replicates (#1, #2).

Sample Name: MP49675-SD1 Acquired: 9/19/2009 22:54:56 Type: Unk
Method: Accutest1(v164) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:

Table with columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Rows include Avg, Stddev, %RSD for each element and multiple replicates (#1, #2).

Zoom In / Zoom Out

Sample Name: JA27445-2F Acquired: 9/19/2009 23:01:02 Type: Unk
Method: Accutest1(v164) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 10 columns (Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280) and multiple rows for Avg, Stddev, %RSD, #1, #2 across various elements.

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Zoom In / Zoom Out

Sample Name: CCV Acquired: 9/19/2009 23:07:14 Type: QC
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 10 columns (Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280) and multiple rows for Avg, Stddev, %RSD, #1, #2 across various elements.

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Zoom In / Zoom Out

Sample Name: CCV Acquired: 9/19/2009 23:07:14 Type: QC
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 4 columns (Elem, Sr4077, Ti3349, W\_2079) and multiple rows for Units, Avg, Stddev, %RSD, #1, #2.

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Zoom In / Zoom Out

Sample Name: CCB Acquired: 9/19/2009 23:13:13 Type: QC
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 10 columns (Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280) and multiple rows for Avg, Stddev, %RSD, #1, #2 across various elements.

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6.1 6

Sample Name: CCB Acquired: 9/19/2009 23:13:13 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Sr4077	Ti3349	W_2079
Units	ppm	ppm	ppm
Avg	.0004	.0007	-.0041
Stddev	.0001	.0002	.0018
%RSD	25.66	22.47	44.74
#1	.0003	.0006	-.0028
#2	.0005	.0008	-.0054

Check ? Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	107500	17586	2268.8	5032.2
Stddev	193	13	26.8	53.3
%RSD	.17943	.07423	1.1827	1.0598
#1	107360	17577	2287.8	5069.9
#2	107630	17595	2249.8	4994.5

Sample Name: ICSA Acquired: 9/19/2009 23:19:26 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011	.0000	.0000	.0012	.0001	.0005	.0004	.0004	.0007
Stddev	.0001	.0000	.0000	.0002	.0002	.0003	.0001	.0001	.0000
%RSD	7.952	4.493	441.6	19.83	359.7	65.95	13.57	32.89	6.488
#1	.0011	.0000	.0001	.0010	-.0002	.0002	.0005	.0005	.0008
#2	.0012	.0000	-.0002	.0014	-.0001	.0007	.0004	.0003	.0007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

Elem	V_2924	Zn2062	As1890	Ti1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0004	-.0061	-.0016	.0019	-.0005	.0016	.0041	504.9	386.9
Stddev	.0003	.0003	.0018	.0017	.0006	.0026	.0023	.8	2.2
%RSD	68.70	4.687	114.2	91.66	107.1	160.0	57.75	.1651	.5777
#1	-.0006	-.0059	-.0028	.0007	-.0009	.0035	.0057	505.4	388.5
#2	-.0002	-.0063	-.0003	.0031	-.0001	-.0002	.0024	504.3	385.3

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	199.2	536.3	.2527	.3198	-.0015	-.0037	.0020	.0135	-.0062
Stddev	.2	1.1	.0424	.0032	.0002	.0001	.0025	.0021	.0002
%RSD	.1206	.2047	16.79	1.003	11.38	1.458	121.1	15.51	2.647
#1	199.4	537.1	.2227	.3221	-.0016	-.0037	.0003	.0150	-.0063
#2	199.0	535.5	.2827	.3175	-.0014	-.0037	.0038	.0120	-.0061

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

Sample Name: ICSA Acquired: 9/19/2009 23:19:26 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Sr4077	Ti3349	W_2079
Units	ppm	ppm	ppm
Avg	.0057	.0028	.0391
Stddev	.0000	.0000	.0029
%RSD	.7223	.1064	7.501
#1	.0057	.0028	.0411
#2	.0057	.0028	.0370

Check ? Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	97523	17146	2013.1	4090.4
Stddev	56	172	2.8	3.9
%RSD	.05751	1.0009	.13929	.09443
#1	97563	17025	2015.1	4087.6
#2	97484	17268	2011.1	4093.1

Sample Name: ICSAB Acquired: 9/19/2009 23:25:39 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5169	.5162	1.081	.5011	.5054	.4852	.4969	.9716	1.079
Stddev	.0008	.0003	.0000	.0002	.0008	.0002	.0003	.0003	.001
%RSD	.1519	.0573	.0258	.0308	.1653	.0396	.0569	.0278	.0437
#1	.5163	.5160	1.081	.5010	.5059	.4851	.4971	.9714	1.079
#2	.5174	.5164	1.081	.5012	.5048	.4853	.4967	.9718	1.079

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 Value  
 Range

Elem	V_2924	Zn2062	As1890	Ti1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5319	.9925	1.035	1.004	.9870	1.043	1.035	512.7	391.1
Stddev	.0006	.0006	.001	.005	.0009	.001	.002	1.9	1.3
%RSD	.1181	.0605	.1004	.5070	.0869	.0999	.2214	.3727	.3355
#1	.5323	.9920	1.036	1.001	.9876	1.044	1.033	511.4	390.2
#2	.5314	.9929	1.034	1.008	.9864	1.042	1.037	514.1	392.0

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 Value  
 Range

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	206.3	535.0	.1597	.3259	-.0016	.5004	.5354	.0034	-.0070
Stddev	.3	.6	.0077	.0010	.0013	.0005	.0002	.0007	.0002
%RSD	.1594	.1095	4.853	.3214	81.17	.1041	.0347	21.30	3.176
#1	206.1	534.6	.1652	.3267	-.0026	.5000	.5355	.0029	-.0072
#2	206.5	535.4	.1542	.3252	-.0007	.5007	.5352	.0039	-.0069

Check ? Chk Pass Chk Pass None None None Chk Pass Chk Pass None None  
 Value  
 Range



Sample Name: ICSAB Acquired: 9/19/2009 23:25:39 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Sr4077	Ti3349	W_2079
Units	ppm	ppm	ppm
Avg	.0057	0.033	F .6026
Stddev	.0000	.0003	.0026
%RSD	.2219	8.433	.4238
#1	.0057	.0031	.6008
#2	.0057	.0035	.6044
Check ?	None	None	Chk Fail
Value			.5000
Range			20.00%
Int. Std.	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S
Avg	96584.	16892.	2016.6
Stddev	84.	60.	.0
%RSD	.08731	.35409	.00145
#1	96644.	16935.	2016.7
#2	96524.	16850.	2016.6

Sample Name: CCV Acquired: 9/19/2009 23:31:50 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.963	2.046	1.992	2.034	2.017	1.897	1.970	2.055	.2413
Stddev	.001	.003	.009	.012	.003	.004	.003	.012	.0009
%RSD	.0313	.1331	.4488	.5902	.1650	.2055	.1288	.5602	.3888
#1	1.964	2.044	1.985	2.025	2.019	1.900	1.972	2.047	.2420
#2	1.963	2.047	1.998	2.042	2.014	1.895	1.968	2.063	.2407
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	V_2924	Zn2062	As1890	Ti1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.062	2.079	1.999	2.033	2.029	1.992	1.944	39.98	40.82
Stddev	.000	.013	.010	.015	.012	.012	.010	.06	.08
%RSD	.0124	.6428	.4861	.7227	.6112	.5771	.5265	.1460	.1859
#1	2.062	2.069	1.992	2.022	2.020	1.984	1.936	39.94	40.76
#2	2.062	2.088	2.006	2.043	2.038	2.001	1.951	40.02	40.87
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	40.76	40.70	40.37	39.92	1.974	2.031	1.907	4.690	2.041
Stddev	.03	.04	.06	.04	.010	.012	.000	.028	.009
%RSD	.0701	.0894	.1477	.1012	.5108	.5868	.0165	.5902	.4206
#1	40.74	40.68	40.33	39.89	1.967	2.022	1.906	4.671	2.035
#2	40.78	40.73	40.41	39.95	1.982	2.039	1.907	4.710	2.047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Sample Name: CCV Acquired: 9/19/2009 23:31:50 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Sr4077	Ti3349	W_2079
Units	ppm	ppm	ppm
Avg	2.031	1.979	1.980
Stddev	.002	.002	.021
%RSD	.1077	.1103	1.070
#1	2.033	1.981	1.965
#2	2.030	1.978	1.995
Check ?	Chk Pass	Chk Pass	Chk Pass
Value			
Range			
Int. Std.	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S
Avg	104760.	17550.	2204.8
Stddev	169.	53.	11.4
%RSD	.16114	.30206	.51571
#1	104640.	17587.	2212.9
#2	104880.	17512.	2196.8

Sample Name: CCB Acquired: 9/19/2009 23:37:48 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0002	-.0001	.0003	.0004	.0008	.0004	.0000	.0001
Stddev	.0000	.0002	.0000	.0001	.0000	.0002	.0001	.000	.0000
%RSD	12.27	104.2	5.760	40.49	4.589	26.92	15.47	1624.	31.97
#1	.0001	.0000	-.0001	.0004	.0004	.0006	.0004	-.0001	.0002
#2	.0002	.0003	-.0001	.0002	.0004	.0009	.0003	.0001	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	V_2924	Zn2062	As1890	Ti1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0002	.0023	.0012	.0007	-.0010	-.0003	F .0257	.0322
Stddev	.0003	.0001	.0008	.0007	.0008	.0007	.0008	.0084	.0115
%RSD	134.0	56.01	33.83	60.29	107.6	68.01	81.78	32.67	35.77
#1	.0004	.0003	.0028	.0016	.0012	-.0005	-.0001	.0198	.0241
#2	.0000	.0001	.0017	.0007	.0002	-.0015	-.0005	.0316	.0404
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value								.0200	
Range								-.0200	
Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0180	.0346	.0384	.0632	.0009	.0006	-.0004	.0027	.0001
Stddev	.0068	.0090	.0042	.0025	.0003	.0005	.0019	.0000	.0002
%RSD	38.01	25.90	10.81	3.945	31.83	72.74	505.1	.2203	118.7
#1	.0131	.0283	.0355	.0615	.0011	.0010	.0010	.0027	.0000
#2	.0228	.0409	.0414	.0650	.0007	.0003	-.0017	.0027	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Sample Name: CCB Acquired: 9/19/2009 23:37:48 Type: QC
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with columns: Elem, Sr4077, Ti3349, W\_2079, Units, ppm, ppm, ppm, Avg, .0002, .0002, -.0023, Stddev, .0001, .0001, .0022, %RSD, 59.23, 32.63, 95.10. Includes rows for #1, #2, Check?, High Limit, Low Limit, Int. Std., Y\_3600, Y\_3710, Y\_2243, In2306, and %RSD values.

Sample Name: JA27445-3F Acquired: 9/19/2009 23:43:59 Type: Unk
Method: Accutest1(v164) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280, Avg, .0590, -.0010, -.0017, .0219, .0657, .0707, .6238, .0569, .0025, Stddev, .0013, .0004, .0001, .0002, .0002, .0032, .0008, .0008, .0020, %RSD, 2.240, 35.65, 6.706, .7097, .2764, 4.464, .1254, 1.441, 77.33. Includes rows for #1, #2, Elem, V\_2924, Zn2062, As1890, Ti1908, Pb2203, Se1960, Sb2068, Al3961, Ca3179, and %RSD values.

Sample Name: JA27445-4F Acquired: 9/19/2009 23:50:04 Type: Unk
Method: Accutest1(v164) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280, Avg, .1276, -.0010, .0060, .0252, .1235, .1135, .5171, .0811, .0076, Stddev, .0004, .0005, .0013, .0011, .0007, .0014, .0021, .0014, .0006, %RSD, .3263, 45.63, 22.06, 4.217, .5660, 1.250, .3987, 1.668, 8.467. Includes rows for #1, #2, Elem, V\_2924, Zn2062, As1890, Ti1908, Pb2203, Se1960, Sb2068, Al3961, Ca3179, and %RSD values.

Sample Name: JA27445-5F Acquired: 9/19/2009 23:56:13 Type: Unk
Method: Accutest1(v164) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280, Avg, .2445, -.0014, -.0043, .0057, .0026, .0462, .0261, 1.031, .0006, Stddev, .0001, .0001, .0014, .0006, .0021, .0000, .0001, .016, .0025, %RSD, .0245, 10.65, 33.40, 10.65, 80.55, .0581, .3052, 1.587, 444.3. Includes rows for #1, #2, Elem, V\_2924, Zn2062, As1890, Ti1908, Pb2203, Se1960, Sb2068, Al3961, Ca3179, and %RSD values.

Sample Name: JA27495-1 Acquired: 9/20/2009 0:02:32 Type: Unk Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000 User: admin Custom ID1: Custom ID2: Custom ID3: Comment:

Table with columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Rows include Avg, Stddev, %RSD for each element and replicate measurements.

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Sample Name: JA27495-2 Acquired: 9/20/2009 0:08:37 Type: Unk Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000 User: admin Custom ID1: Custom ID2: Custom ID3: Comment:

Table with columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Rows include Avg, Stddev, %RSD for each element and replicate measurements.

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Sample Name: JA27495-3 Acquired: 9/20/2009 0:14:47 Type: Unk Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000 User: admin Custom ID1: Custom ID2: Custom ID3: Comment:

Table with columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Rows include Avg, Stddev, %RSD for each element and replicate measurements.

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Sample Name: JA27495-4 Acquired: 9/20/2009 0:20:53 Type: Unk Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000 User: admin Custom ID1: Custom ID2: Custom ID3: Comment:

Table with columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Rows include Avg, Stddev, %RSD for each element and replicate measurements.

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Sample Name: CCV Acquired: 9/20/2009 0:45:36 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Sr4077	Ti3349	W_2079
Units	ppm	ppm	ppm
Avg	2.038	1.967	1.968
Stddev	.004	.000	.001
%RSD	.2133	.0054	.0671
#1	2.041	1.967	1.968
#2	2.035	1.967	1.969

Check ? Chk Pass Chk Pass Chk Pass  
 Value  
 Range

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	107550.	18605.	2234.9	4845.8
Stddev	136.	5.	3.8	9.4
%RSD	.12631	.02593	.16884	.19450
#1	107640.	18601.	2232.2	4839.1
#2	107450.	18608.	2237.5	4852.5

Sample Name: CCB Acquired: 9/20/2009 0:51:34 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0002	.0001	.0000	.0001	.0009	.0004	.0003	.0000
Stddev	.0002	.0000	.0001	.0001	.0003	.0003	.0000	.0002	.0002
%RSD	67.25	4.080	107.3	156.4	334.8	33.37	12.63	72.43	3299.
#1	.0001	.0002	.0002	.0001	.0003	.0011	.0004	.0001	.0002
#2	.0004	.0002	.0000	.0000	-.0001	.0007	.0004	-.0004	-.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

Elem	V_2924	Zn2062	As1890	Ti1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0002	.0011	.0007	.0005	-.0007	-.0001	-.0028	.0167
Stddev	.0001	.0001	.0000	.0002	.0008	.0019	.0003	.0028	.0028
%RSD	86.05	48.30	3.386	34.43	144.8	266.7	287.3	98.34	16.61
#1	-.0001	.0001	.0012	.0009	.0011	-.0021	-.0003	-.0009	.0147
#2	-.0002	.0002	.0011	.0005	.0000	.0006	.0001	-.0048	.0187

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0075	.0213	.0317	.0815	.0008	.0006	.0000	.0039	.0001
Stddev	.0024	.0112	.0022	.0028	.0009	.0002	.0006	.0007	.0001
%RSD	32.13	52.52	7.096	3.412	115.7	36.53	13860.	18.00	80.50
#1	.0058	.0292	.0301	.0835	.0015	.0008	.0004	.0044	.0002
#2	.0092	.0134	.0333	.0796	.0001	.0005	-.0004	.0034	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

6.1  
6

Sample Name: CCB Acquired: 9/20/2009 0:51:34 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Sr4077	Ti3349	W_2079
Units	ppm	ppm	ppm
Avg	.0002	.0003	-.0051
Stddev	.0001	.0002	.0008
%RSD	34.06	84.98	16.11
#1	.0001	.0001	-.0045
#2	.0002	.0004	-.0057

Check ? Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	110880.	18844.	2310.8	5197.6
Stddev	89.	72.	4	4.7
%RSD	.08044	.38267	.01816	.08974
#1	110810.	18793.	2311.1	5200.9
#2	110940.	18895.	2310.5	5194.3

Sample Name: JA27592-1 Acquired: 9/20/2009 0:57:46 Type: Unk  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1879	-.0001	-.0011	.0007	.0005	.0009	.0018	-.0011	.0002
Stddev	.0001	.0000	.0001	.0002	.0006	.0006	.0000	.0000	.0005
%RSD	.0472	43.56	13.23	25.26	122.0	64.41	1.232	1.978	242.7
#1	.1880	-.0001	-.0010	.0008	.0009	.0013	.0018	-.0010	-.0002
#2	.1879	.0000	-.0012	.0006	.0001	.0005	.0018	-.0011	.0006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

Elem	V_2924	Zn2062	As1890	Ti1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0023	-.0010	.0013	-.0022	-.0039	.0015	-.0017	.0183	76.82
Stddev	.0002	.0002	.0005	.0013	.0009	.0002	.0011	.0034	.21
%RSD	7.172	19.58	36.91	60.28	22.03	13.95	65.60	18.89	.2679
#1	.0024	-.0011	.0009	-.0031	-.0045	.0013	-.0025	.0207	76.96
#2	.0022	-.0008	.0016	-.0013	-.0033	.0016	-.0009	.0158	76.67

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5162	.7913	.2756	1593.	9.702	-.0016	-.0018	5.979	.0050
Stddev	.0070	2.0	1.3	37.	.078	.0000	.0014	.044	.0002
%RSD	1.347	.2474	.4629	2.299	.8067	3.174	74.82	.7341	3.759
#1	.5211	.792.7	.276.5	1619.	9.647	-.0015	-.0028	5.948	.0052
#2	.5113	.789.9	.274.7	1567.	9.757	-.0016	-.0009	6.010	.0049

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

Elem	Sr4077	Ti3349	W_2079
Units	ppm	ppm	ppm
Avg	6.385	.0018	.0286
Stddev	.034	.0001	.0003
%RSD	.5288	7.142	.9361
#1	6.361	.0019	.0287
#2	6.409	.0017	.0284

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	75478.	16226.	1536.1	2935.9
Stddev	134.	104.	7.4	13.3
%RSD	.17746	.64192	.47881	.45247
#1	75572.	16152.	1541.3	2945.3
#2	75383.	16300.	1530.9	2926.5



Sample Name: JA28008-2 Acquired: 9/20/2009 1:29:13 Type:UNK
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280) and 11 rows of data including Avg, Stddev, %RSD, and duplicate rows (#1, #2).

Sample Name: JA28008-3 Acquired: 9/20/2009 1:35:20 Type:UNK
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280) and 11 rows of data including Avg, Stddev, %RSD, and duplicate rows (#1, #2).

Sample Name: JA28182-1 Acquired: 9/20/2009 1:41:26 Type:UNK
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280) and 11 rows of data including Avg, Stddev, %RSD, and duplicate rows (#1, #2).

Sample Name: MP49677-MB1 Acquired: 9/20/2009 1:47:37 Type:UNK
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280) and 11 rows of data including Avg, Stddev, %RSD, and duplicate rows (#1, #2).

Sample Name: MP49677-LC1 Acquired: 9/20/2009 1:53:47 Type: Unk  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	.4986	.5131	.5007	.5123	.5068	.4712	.4912	.5225	.1998
Stddev	.0010	.0008	.0039	.0031	.0027	.0008	.0024	.0038	.0003
%RSD	.2105	.1581	.7832	.6104	.5281	.1777	.4971	.7239	.1332
#1	.4993	.5136	.4979	.5101	.5087	.4718	.4929	.5198	.2000
#2	.4978	.5125	.5034	.5145	.5049	.4706	.4895	.5252	.1996

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.5063	.5086	.4810	.4910	.5240	.4941	.4879	4.997	5.683
Stddev	.0048	.0038	.0033	.0001	.0036	.0012	.0028	.008	.006
%RSD	.9414	.7488	.6772	.0117	.6884	.2500	.5767	.1678	.1027
#1	.5097	.5059	.4787	.4909	.5214	.4932	.4859	5.003	5.679
#2	.5029	.5113	.4833	.4910	.5265	.4950	.4899	4.991	5.687

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	5.510	5.529	10.18	10.15	.0023	.5083	-.0019	.0314	-.0002
Stddev	.018	.016	.01	.00	.0004	.0034	.0011	.0001	.0006
%RSD	.3265	.2838	.1042	.0438	19.29	.6693	56.23	.2592	403.8
#1	5.498	5.540	10.19	10.15	.0020	.5059	-.0011	.0315	-.0006
#2	5.523	5.518	10.18	10.14	.0026	.5107	-.0026	.0314	.0003

Elem	Sr4077	Ti3349	W_2079
Avg	-.0001	.4903	-.0030
Stddev	.0000	.0029	.0002
%RSD	33.03	.5992	6.905
#1	-.0001	.4924	-.0031
#2	-.0001	.4882	-.0028

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	109970.	18859.	2266.6	5083.1
Stddev	680.	1.	11.4	21.1
%RSD	.61794	.00461	.50487	.41494
#1	109490.	18859.	2274.7	5098.0
#2	110450.	18860.	2258.5	5068.2

Sample Name: CCV Acquired: 9/20/2009 1:59:47 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.009	2.067	2.053	2.063	2.032	1.995	1.970	2.078	.2481
Stddev	.001	.004	.001	.001	.007	.003	.001	.001	.0002
%RSD	.0390	.1838	.0375	.0240	.3345	.1568	.0322	.0324	.0888
#1	2.009	2.070	2.053	2.064	2.037	1.997	1.971	2.078	.2482
#2	2.008	2.065	2.054	2.063	2.028	1.993	1.970	2.077	.2479

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 Value Range

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.075	2.035	2.034	2.030	2.062	2.038	2.022	40.22	40.61
Stddev	.004	.006	.003	.001	.001	.006	.003	.06	.00
%RSD	.1715	.3140	.1607	.0534	.0414	.2770	.1464	.1428	.0083
#1	2.073	2.040	2.037	2.030	2.062	2.042	2.020	40.18	40.61
#2	2.078	2.031	2.032	2.031	2.061	2.034	2.024	40.26	40.61

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 Value Range

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	40.96	40.50	40.58	38.85	2.061	2.062	2.014	4.890	2.059
Stddev	.01	.12	.13	.17	.004	.000	.009	.001	.001
%RSD	.0285	.3018	.3294	.4295	.1905	.0195	.4283	.0148	.0515
#1	40.97	40.59	40.49	38.73	2.063	2.062	2.020	4.890	2.060
#2	40.95	40.42	40.68	38.97	2.058	2.062	2.007	4.891	2.058

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 Value Range

6.1  
6

Sample Name: CCV Acquired: 9/20/2009 1:59:47 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Sr4077	Ti3349	W_2079
Units	ppm	ppm	ppm
Avg	2.078	1.997	2.003
Stddev	.003	.002	.007
%RSD	.1243	.0751	.3337
#1	2.080	1.996	1.999
#2	2.076	1.999	2.008

Check ? Chk Pass Chk Pass Chk Pass  
 Value Range

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	107280.	18622.	2226.5	4826.4
Stddev	137.	32.	4	3.8
%RSD	.12756	.16932	.01839	.07939
#1	107190.	18645.	2226.8	4829.1
#2	107380.	18600.	2226.2	4823.7

Sample Name: CCB Acquired: 9/20/2009 2:05:46 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	-.0001	-.0001	-.0002	.0002	.0003	.0000	-.0004	-.0002
Stddev	.0002	.0001	.0000	.0000	.0003	.0003	.0000	.0002	.0002
%RSD	91.47	59.86	30.05	23.91	167.9	104.9	109.8	48.19	63.92
#1	-.0001	-.0002	-.0001	-.0002	.0004	.0001	.0000	-.0003	-.0001
#2	-.0003	-.0001	-.0001	-.0001	.0000	.0005	.0000	-.0006	-.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 High Limit Low Limit

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	-.0002	.0001	-.0002	-.0004	-.0005	.0003	-.0097	.0023
Stddev	.0002	.0003	.0006	.0002	.0002	.0004	.0006	.0024	.0028
%RSD	178.1	143.7	544.9	119.0	63.71	77.77	180.0	24.25	120.8
#1	-.0002	-.0004	.0005	-.0000	-.0002	-.0002	.0008	-.0080	.0003
#2	.0000	.0000	-.0003	-.0004	-.0005	-.0007	-.0001	-.0114	.0043

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 High Limit Low Limit

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	-.0122	.1162	.3874	.0020	.0005	-.0019	.0029	-.0001
Stddev	.0019	.0120	.0137	.0000	.0002	.0003	.0003	.0009	.0004
%RSD	359.9	98.59	11.80	.0019	10.46	67.03	17.73	31.23	655.8
#1	-.0008	-.0037	.1259	.3874	.0019	.0007	-.0022	.0023	.0002
#2	.0018	-.0206	.1065	.3874	.0022	.0003	-.0017	.0036	-.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 High Limit Low Limit



Sample Name: CCB Acquired: 9/20/2009 2:05:46 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Sr4077	Ti3349	W_2079
Units	ppm	ppm	ppm
Avg	-0.001	.0002	-0.0059
Stddev	.0001	.0002	.0002
%RSD	139.9	140.0	3.472
#1	-0.002	.0003	-0.0058
#2	.0000	.0000	-0.0060

Check ? Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	110570.	18861.	2304.1	5189.7
Stddev	129.	29.	4.2	3.5
%RSD	.11687	.15504	.18174	.06739
#1	110660.	18841.	2301.1	5187.2
#2	110480.	18882.	2307.0	5192.2

Sample Name: MP49677-S3 Acquired: 9/20/2009 2:11:58 Type: Unk  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	1.925	.0489	.0567	.4968	.1937	.2327	1.001	.5040	.0507
Stddev	.003	.0000	.0006	.0001	.0014	.0007	.001	.0015	.0001
%RSD	.1669	.0343	1.020	.0114	.7029	.3031	.1190	.3057	.1982
#1	1.923	.0489	.0563	.4969	.1947	.2332	1.000	.5029	.0507
#2	1.928	.0490	.0571	.4968	.1928	.2322	1.002	.5051	.0506

Elem	V_2924	Zn2062	As1890	Ti1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.4936	.4900	1.985	1.918	.4923	2.026	.5095	1.922	221.8
Stddev	.0002	.0017	.000	.011	.0024	.006	.0026	.003	1.6
%RSD	.0482	.3506	.0200	.5710	.4847	.2850	.5104	.1446	.7040
#1	.4934	.4888	1.985	1.910	.4907	2.022	.5077	1.920	220.7
#2	.4937	.4912	1.984	1.926	.4940	2.031	.5113	1.924	222.9

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	16.32	48.35	35.09	59.59	.1120	-.0005	-.0008	4.257	-.0022
Stddev	.00	.18	.04	.11	.0010	.0001	.0001	.011	.0006
%RSD	.0172	.3808	.1134	.1779	.8793	21.05	9.197	.2465	27.07
#1	16.31	48.22	35.06	59.52	.1113	-.0004	-.0009	4.250	-.0018
#2	16.32	48.48	35.12	59.67	.1127	-.0006	-.0008	4.264	-.0026

Elem	Sr4077	Ti3349	W_2079
Avg	.3481	.0011	.0196
Stddev	.0007	.0001	.0003
%RSD	.1921	6.492	1.541
#1	.3476	.0010	.0198
#2	.3486	.0011	.0194

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	105140.	18515.	2129.7	4652.4
Stddev	102.	84.	.5	.8
%RSD	.09661	.45563	.02577	.01656
#1	105210.	18575.	2130.1	4651.9
#2	105070.	18455.	2129.3	4653.0

Sample Name: MP49677-S4 Acquired: 9/20/2009 2:18:03 Type: Unk  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	1.939	.0494	.0560	.4989	.1945	.2328	1.012	.5040	.0507
Stddev	.011	.0001	.0000	.0010	.0003	.0006	.000	.0008	.0004
%RSD	.5726	.1826	.0699	.1995	.1718	.2740	.0035	.1516	.8162
#1	1.931	.0493	.0560	.4982	.1947	.2324	1.012	.5035	.0504
#2	1.947	.0494	.0560	.4996	.1943	.2333	1.012	.5046	.0510

Elem	V_2924	Zn2062	As1890	Ti1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.4917	.4917	1.987	1.918	.4937	2.019	.5100	1.943	224.3
Stddev	.0006	.0014	.002	.002	.0007	.002	.0009	.014	.5
%RSD	.1192	.2818	.0734	.0804	.1445	.0805	.1756	.6931	.2010
#1	.4913	.4907	1.988	1.917	.4942	2.018	.5106	1.934	224.0
#2	.4921	.4926	1.986	1.919	.4932	2.020	.5093	1.953	224.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	16.45	48.66	35.35	60.21	.1110	-.0006	-.0018	4.310	-.0021
Stddev	.11	.30	.20	.31	.0002	.0003	.0004	.003	.0000
%RSD	.6382	.6088	.5590	.5119	.1541	47.09	20.57	.0762	.0942
#1	16.38	48.45	35.21	60.00	.1109	-.0008	-.0016	4.312	-.0021
#2	16.52	48.87	35.49	60.43	.1111	-.0004	-.0021	4.307	-.0021

Elem	Sr4077	Ti3349	W_2079
Avg	.3511	.0014	.0145
Stddev	.0019	.0003	.0006
%RSD	.5374	21.80	4.214
#1	.3497	.0012	.0149
#2	.3524	.0016	.0141

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	105160.	18481.	2134.6	4652.1
Stddev	76.	121.	1.4	.5
%RSD	.07254	.65633	.06554	.01029
#1	105220.	18567.	2135.6	4652.4
#2	105110.	18396.	2133.6	4651.8

Sample Name: JA27477-3F Acquired: 9/20/2009 2:24:07 Type: Unk  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	.0268	.0001	-.0007	.0051	.0013	.0004	.5466	.0053	-.0003
Stddev	.0003	.0000	.0001	.0001	.0000	.0000	.0031	.0003	.0004
%RSD	.9438	61.10	16.25	1.442	2.592	3.804	.5681	4.845	135.4
#1	.0270	.0001	-.0006	.0051	.0013	.0004	.5488	.0054	.0000
#2	.0266	.0000	-.0008	.0050	.0013	.0004	.5444	.0051	-.0006

Elem	V_2924	Zn2062	As1890	Ti1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0000	.0137	-.0006	.0013	-.0005	.0001	.0005	.0147	200.8
Stddev	.000	.0003	.0008	.0002	.0002	.0005	.0001	.0011	.7
%RSD	2304.	2.291	127.5	12.90	38.96	796.8	15.87	7.429	.3286
#1	.0000	.0135	-.0001	.0012	-.0003	.0004	.0004	.0139	201.3
#2	.0000	.0139	-.0012	.0014	-.0006	-.0003	.0005	.0154	200.3

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	15.37	23.44	9.465	35.90	.1108	-.0005	-.0009	4.292	-.0024
Stddev	.12	.15	.120	.25	.0001	.0001	.0010	.002	.0000
%RSD	.7706	.6573	1.264	.6942	.0658	27.29	107.2	.0559	1.855
#1	15.46	23.55	9.549	36.08	.1108	-.0004	-.0002	4.294	-.0024
#2	15.29	23.33	9.380	35.73	.1107	-.0006	-.0016	4.290	-.0024

Elem	Sr4077	Ti3349	W_2079
Avg	.3501	.0008	-.0037
Stddev	.0027	.0001	.0003
%RSD	.7831	14.51	7.324
#1	.3521	.0009	-.0039
#2	.3482	.0008	-.0035

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	105520.	18577.	2160.4	4761.8
Stddev	370.	153.	3.8	5.1
%RSD	.35062	.82605	.17742	.10720
#1	105260.	18469.	2163.1	4765.4
#2	105780.	18686.	2157.7	4758.2

Sample Name: MP49677-SD2 Acquired: 9/20/2009 2:30:19 Type: Unk Method: Accutest1(v164) Mode: CONC Corr. Factor: 5.000000 User: admin Custom ID1: Custom ID2: Custom ID3: Comment:

Table with 10 columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Rows include Avg, Stddev, %RSD for various elements and Int. Std. data.

Sample Name: JA27293-5 Acquired: 9/20/2009 2:36:26 Type: Unk Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000 User: admin Custom ID1: Custom ID2: Custom ID3: Comment:

Table with 10 columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Rows include Avg, Stddev, %RSD for various elements and Int. Std. data.

Sample Name: JA27293-11 Acquired: 9/20/2009 2:42:36 Type: Unk Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000 User: admin Custom ID1: Custom ID2: Custom ID3: Comment:

Table with 10 columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Rows include Avg, Stddev, %RSD for various elements and Int. Std. data.

Sample Name: JA27293-12 Acquired: 9/20/2009 2:48:43 Type: Unk Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000 User: admin Custom ID1: Custom ID2: Custom ID3: Comment:

Table with 10 columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Rows include Avg, Stddev, %RSD for various elements and Int. Std. data.



Sample Name: CCV Acquired: 9/20/2009 3:13:20 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Sr4077	Ti3349	W_2079
Units	ppm	ppm	ppm
Avg	2.081	2.017	2.012
Stddev	.002	.005	.008
%RSD	.0832	.2457	.4152

#1	2.082	2.020	2.006
#2	2.080	2.013	2.018

Check ? Chk Pass Chk Pass Chk Pass  
 Value  
 Range

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	106510.	18511.	2200.4	4779.7
Stddev	445.	83.	.2	6.9
%RSD	.41764	.44669	.01075	.14391

#1	106200.	18570.	2200.6	4784.6
#2	106830.	18453.	2200.2	4774.9

Sample Name: CCB Acquired: 9/20/2009 3:19:19 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0003	.0002	.0002	.0003	.0012	.0004	-.0002	.0002
Stddev	.0001	.0001	.0002	.0002	.0001	.0002	.0000	.0001	.0001
%RSD	14.50	20.28	99.74	107.5	22.10	17.49	1.638	22.46	31.85

#1	.0005	.0003	.0001	.0000	.0003	.0014	.0004	-.0002	.0002
#2	.0004	.0004	.0004	.0003	.0004	.0011	.0004	-.0003	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

Elem	V_2924	Zn2062	As1890	Ti1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	.0000	.0001	.0016	-.0002	-.0006	-.0004	.0041	.0303
Stddev	.0001	.0001	.0003	.0002	.0002	.0012	.0007	.0035	.0000
%RSD	17.52	274.2	422.7	13.58	110.1	191.8	206.5	86.02	.0228

#1	.0005	.0000	.0003	.0015	.0000	-.0015	-.0009	.0016	.0303
#2	.0006	.0001	-.0001	.0018	-.0003	.0002	.0002	.0066	.0303

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0089	.0097	.1206	.2572	.0010	.0006	-.0004	.0047	.0007
Stddev	.0009	.0078	.0179	.0025	.0003	.0001	.0005	.0005	.0004
%RSD	10.22	80.55	14.87	.9619	30.15	17.38	115.3	11.55	64.77

#1	.0083	.0152	.1079	.2554	.0008	.0007	-.0001	.0051	.0010
#2	.0096	.0042	.1333	.2589	.0012	.0006	-.0007	.0043	.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

Sample Name: CCB Acquired: 9/20/2009 3:19:19 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Sr4077	Ti3349	W_2079
Units	ppm	ppm	ppm
Avg	.0005	.0003	-.0044
Stddev	.0000	.0002	.0015
%RSD	2.462	58.29	35.14

#1	.0004	.0004	-.0033
#2	.0005	.0002	-.0055

Check ? Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	109690.	18948.	2248.3	5082.6
Stddev	1462.	179.	23.9	54.0
%RSD	1.3326	.94493	1.0624	1.0626

#1	108660.	18821.	2231.4	5044.4
#2	110730.	19075.	2265.2	5120.8

Sample Name: JA27477-4 Acquired: 9/20/2009 3:25:32 Type: Unk  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0265	.0001	-.0006	.0036	.0167	.0024	.3794	.0038	.0002
Stddev	.0001	.0000	.0002	.0001	.0001	.0004	.0006	.0000	.0003
%RSD	.4835	22.21	26.66	1.668	.6812	17.77	.1491	1.003	115.1

#1	.0264	.0001	-.0005	.0036	.0166	.0027	.3798	.0038	.0000
#2	.0266	.0002	-.0007	.0035	.0168	.0021	.3790	.0038	.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

Elem	V_2924	Zn2062	As1890	Ti1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0206	.0002	.0006	-.0002	-.0008	.0001	.0781	154.8
Stddev	.0001	.0000	.0020	.0002	.0007	.0008	.0008	.0047	.8
%RSD	57.62	.0021	854.0	36.75	419.5	104.2	659.7	6.049	.4907

#1	-.0001	.0206	-.0012	.0007	-.0007	-.0013	-.0004	.0815	154.2
#2	-.0002	.0206	.0017	.0004	.0003	-.0002	.0007	.0748	155.3

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	13.60	17.73	8.709	40.61	-.1194	-.0001	-.0019	4.430	-.0017
Stddev	.01	.09	.001	.01	.0003	.0000	.0020	.000	.0002
%RSD	.0387	.4819	.0068	.0225	.2323	3.474	106.1	.0046	12.21

#1	13.59	17.67	8.709	40.61	.1192	-.0001	-.0033	4.430	-.0015
#2	13.60	17.79	8.709	40.62	.1196	-.0001	-.0005	4.431	-.0018

Elem	Sr4077	Ti3349	W_2079
Units	ppm	ppm	ppm
Avg	.3374	.0015	.0000
Stddev	.0005	.0002	.0014
%RSD	.1337	10.50	3257.

#1	.3377	.0014	.0010
#2	.3370	.0016	-.0009

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	105560.	18478.	2127.8	4712.8
Stddev	180.	44.	.8	5.3
%RSD	.17006	.24025	.03941	.11172

#1	105440.	18510.	2128.4	4716.5
#2	105690.	18447.	2127.2	4709.1



Sample Name: JA27477-1F Acquired: 9/20/2009 3:56:25 Type: Unk
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 10 columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Includes Avg, Stddev, %RSD values for elements and duplicate samples #1 and #2.

Table with 10 columns: Elem, V\_2924, Zn2062, As1890, Ti1908, Pb2203, Se1960, Sb2068, Al3961, Ca3179. Includes Avg, Stddev, %RSD values for elements and duplicate samples #1 and #2.

Table with 10 columns: Elem, Fe2599, Mg2790, K\_7664, Na5895, B\_2089, Mo2020, Pd3404, Si2124, Sn1899. Includes Avg, Stddev, %RSD values for elements and duplicate samples #1 and #2.

Table with 10 columns: Elem, Sr4077, Ti3349, W\_2079. Includes Avg, Stddev, %RSD values for elements and duplicate samples #1 and #2.

Table with 4 columns: Int. Std, Y\_3600, Y\_3710, Y\_2243, In2306. Includes Avg, Stddev, %RSD values for internal standards and duplicate samples #1 and #2.

Table with 4 columns: Int. Std, Y\_3600, Y\_3710, Y\_2243, In2306. Includes Avg, Stddev, %RSD values for internal standards and duplicate samples #1 and #2.

Sample Name: JA27477-2F Acquired: 9/20/2009 4:02:33 Type: Unk
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 10 columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Includes Avg, Stddev, %RSD values for elements and duplicate samples #1 and #2.

Table with 10 columns: Elem, V\_2924, Zn2062, As1890, Ti1908, Pb2203, Se1960, Sb2068, Al3961, Ca3179. Includes Avg, Stddev, %RSD values for elements and duplicate samples #1 and #2.

Table with 10 columns: Elem, Fe2599, Mg2790, K\_7664, Na5895, B\_2089, Mo2020, Pd3404, Si2124, Sn1899. Includes Avg, Stddev, %RSD values for elements and duplicate samples #1 and #2.

Table with 10 columns: Elem, Sr4077, Ti3349, W\_2079. Includes Avg, Stddev, %RSD values for elements and duplicate samples #1 and #2.

Table with 4 columns: Int. Std, Y\_3600, Y\_3710, Y\_2243, In2306. Includes Avg, Stddev, %RSD values for internal standards and duplicate samples #1 and #2.

Table with 4 columns: Int. Std, Y\_3600, Y\_3710, Y\_2243, In2306. Includes Avg, Stddev, %RSD values for internal standards and duplicate samples #1 and #2.

6.1 6

Sample Name: JA27477-4F Acquired: 9/20/2009 4:08:46 Type: Unk
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 10 columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Includes Avg, Stddev, %RSD values for elements and duplicate samples #1 and #2.

Table with 10 columns: Elem, V\_2924, Zn2062, As1890, Ti1908, Pb2203, Se1960, Sb2068, Al3961, Ca3179. Includes Avg, Stddev, %RSD values for elements and duplicate samples #1 and #2.

Table with 10 columns: Elem, Fe2599, Mg2790, K\_7664, Na5895, B\_2089, Mo2020, Pd3404, Si2124, Sn1899. Includes Avg, Stddev, %RSD values for elements and duplicate samples #1 and #2.

Table with 10 columns: Elem, Sr4077, Ti3349, W\_2079. Includes Avg, Stddev, %RSD values for elements and duplicate samples #1 and #2.

Table with 4 columns: Int. Std, Y\_3600, Y\_3710, Y\_2243, In2306. Includes Avg, Stddev, %RSD values for internal standards and duplicate samples #1 and #2.

Table with 4 columns: Int. Std, Y\_3600, Y\_3710, Y\_2243, In2306. Includes Avg, Stddev, %RSD values for internal standards and duplicate samples #1 and #2.

Sample Name: JA27477-5F Acquired: 9/20/2009 4:14:58 Type: Unk
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 10 columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Includes Avg, Stddev, %RSD values for elements and duplicate samples #1 and #2.

Table with 10 columns: Elem, V\_2924, Zn2062, As1890, Ti1908, Pb2203, Se1960, Sb2068, Al3961, Ca3179. Includes Avg, Stddev, %RSD values for elements and duplicate samples #1 and #2.

Table with 10 columns: Elem, Fe2599, Mg2790, K\_7664, Na5895, B\_2089, Mo2020, Pd3404, Si2124, Sn1899. Includes Avg, Stddev, %RSD values for elements and duplicate samples #1 and #2.

Table with 10 columns: Elem, Sr4077, Ti3349, W\_2079. Includes Avg, Stddev, %RSD values for elements and duplicate samples #1 and #2.

Table with 4 columns: Int. Std, Y\_3600, Y\_3710, Y\_2243, In2306. Includes Avg, Stddev, %RSD values for internal standards and duplicate samples #1 and #2.

Table with 4 columns: Int. Std, Y\_3600, Y\_3710, Y\_2243, In2306. Includes Avg, Stddev, %RSD values for internal standards and duplicate samples #1 and #2.

Sample Name: JA27477-6F Acquired: 9/20/2009 4:21:04 Type: Unk  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	.0176	-.0002	-.0005	-.0004	.0051	.0007	-.3410	-.0003	.0001
Stddev	.0001	.0000	.0001	.0003	.0001	.0000	.0011	.0003	.0003
%RSD	.4532	12.85	21.07	78.05	1.697	7.382	.3251	82.80	175.4
#1	.0176	-.0002	-.0004	-.0007	.0051	.0007	-.3418	-.0005	.0000
#2	.0175	-.0002	-.0006	-.0002	.0052	.0006	-.3402	-.0001	.0003
Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	-.0003	-.0024	.0044	-.0010	-.0003	.0021	.0008	.0106	102.0
Stddev	.0001	.0000	.0008	.0008	.0001	.0012	.0007	.0037	.2
%RSD	22.09	.8803	18.47	76.73	19.18	57.98	95.70	34.77	.1496
#1	-.0003	-.0024	.0050	-.0016	-.0003	.0012	.0002	.0132	102.1
#2	-.0004	-.0024	.0038	-.0005	-.0003	.0029	.0013	.0080	101.9
Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	2.366	18.83	34.30	155.6	.1347	-.0005	-.0015	10.13	-.0018
Stddev	.006	.03	.11	.9	.0007	.0001	.0011	.04	.0001
%RSD	.2688	.1578	.3110	.5664	.5037	22.92	75.26	.3517	5.729
#1	2.371	18.85	34.38	155.0	.1342	-.0005	-.0007	10.10	-.0017
#2	2.362	18.81	34.23	156.2	.1351	-.0004	-.0023	10.15	-.0018
Elem	Sr4077	Ti3349	W_2079						
Avg	.0631	.0005	-.0074						
Stddev	.0001	.0000	.0003						
%RSD	.2193	6.659	4.567						
#1	.0630	.0005	-.0072						
#2	.0632	.0005	-.0077						
Int. Std.	Y_3600	Y_3710	Y_2243	In2306					
Avg	104430.	18526.	2121.0	4632.7					
Stddev	6.	105.	2.2	1.9					
%RSD	.00531	.56929	.10246	.04145					
#1	104430.	18452.	2122.5	4631.4					
#2	104440.	18601.	2119.4	4634.1					

Sample Name: CCV Acquired: 9/20/2009 4:27:17 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.019	2.054	2.066	2.071	2.027	2.008	1.966	2.084	.2492
Stddev	.001	.003	.004	.004	.000	.006	.003	.004	.0001
%RSD	.0260	.1390	.2054	.1883	.0013	.2829	.1677	.1830	.0437
#1	2.020	2.056	2.069	2.074	2.027	2.004	1.968	2.087	.2491
#2	2.019	2.052	2.063	2.068	2.027	2.012	1.963	2.081	.2493
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.071	2.033	2.046	2.033	2.063	2.053	2.034	40.29	40.23
Stddev	.004	.004	.004	.003	.002	.002	.004	.07	.11
%RSD	.1821	.2010	.2143	.1253	.1094	.0932	.2085	.1735	.2662
#1	2.068	2.036	2.049	2.035	2.064	2.054	2.037	40.24	40.30
#2	2.073	2.030	2.043	2.031	2.061	2.051	2.031	40.34	40.15
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	40.71	40.07	40.68	40.08	2.070	2.076	2.025	4.894	2.064
Stddev	.10	.23	.03	.05	.006	.000	.010	.018	.005
%RSD	.2361	.5823	.0811	.1361	.3023	.0100	.4982	.3728	.2498
#1	40.78	40.23	40.66	40.05	2.074	2.076	2.018	4.907	2.067
#2	40.64	39.90	40.71	40.12	2.065	2.075	2.032	4.881	2.060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

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Sample Name: CCV Acquired: 9/20/2009 4:27:17 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Sr4077	Ti3349	W_2079						
Units	ppm	ppm	ppm						
Avg	2.085	1.997	2.011						
Stddev	.001	.001	.002						
%RSD	.0327	.0639	.1086						
#1	2.085	1.996	2.010						
#2	2.084	1.997	2.013						
Check ?	Chk Pass	Chk Pass	Chk Pass						
Value									
Range									
Int. Std.	Y_3600	Y_3710	Y_2243	In2306					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	106730.	18605.	2199.1	4785.9					
Stddev	114.	45.	5.1	18.8					
%RSD	.10703	.23919	.23272	.39213					
#1	106650.	18573.	2195.4	4772.6					
#2	106810.	18636.	2202.7	4799.2					

Sample Name: CCB Acquired: 9/20/2009 4:33:16 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0001	.0001	-.0001	.0000	.0004	.0002	-.0003	.0000
Stddev	.000	.0001	.0001	.0001	.000	.0000	.0000	.0002	.000
%RSD	262.2	83.14	88.48	77.74	952.4	2.530	7.797	55.77	533.6
#1	-.0001	.0000	.0000	-.0002	-.0003	.0004	.0002	-.0002	.0001
#2	.0000	.0001	.0001	.0000	.0002	.0004	.0002	-.0004	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0001	.0010	.0005	.0001	.0010	-.0002	-.0017	.0101
Stddev	.0002	.0004	.0002	.0007	.0004	.0013	.0006	.0084	.0038
%RSD	99.08	604.0	24.15	151.2	469.7	133.4	266.9	491.4	38.14
#1	.0004	.0003	.0012	.0010	.0004	.0019	-.0007	-.0077	.0074
#2	.0001	-.0002	.0008	.0000	-.0002	.0001	.0002	.0042	.0128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0024	.0059	.1000	.1919	.0009	.0005	.0003	.0033	.0000
Stddev	.0028	.0032	.0104	.0159	.0003	.0003	.0021	.0002	.0003
%RSD	118.9	53.72	10.39	8.307	37.91	62.62	737.2	5.467	612.5
#1	.0004	.0082	.0926	.1807	.0011	.0007	-.0012	.0035	-.0002
#2	.0043	.0037	.1073	.2032	.0006	.0003	.0017	.0032	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									





Sample Name: JA27766-5 Acquired: 9/20/2009 4:58:11 Type: Unk
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 10 columns (Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280) and 10 rows of data including Avg, Stddev, %RSD, and #1/#2 values.

Sample Name: MP49677-S1 Acquired: 9/20/2009 5:04:27 Type: Unk
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 10 columns (Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280) and 10 rows of data including Avg, Stddev, %RSD, and #1/#2 values.

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Sample Name: MP49677-S2 Acquired: 9/20/2009 5:10:32 Type: Unk
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 10 columns (Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280) and 10 rows of data including Avg, Stddev, %RSD, and #1/#2 values.

Sample Name: MP49677-SD1 Acquired: 9/20/2009 5:16:37 Type: Unk
Method: Accutest1(v164) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 10 columns (Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280) and 10 rows of data including Avg, Stddev, %RSD, and #1/#2 values.

Sample Name: JA27477-FBCONF Acquired: 9/20/2009 5:22:46 Type: Unk									
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000									
User: admin Custom ID1: Custom ID2: Custom ID3:									
Comment:									
Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	-0.002	-0.003	-0.001	-0.005	.003	.001	-0.001	-0.002	.002
Stddev	.001	.000	.002	.000	.000	.003	.000	.001	.001
%RSD	27.03	8.596	388.8	4.487	11.52	226.5	2.134	43.96	45.16
#1	-0.003	-0.002	.001	-0.005	.003	-0.001	-0.001	-0.003	.001
#2	-0.002	-0.003	-0.002	-0.005	.002	.003	-0.001	-0.001	.003
Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	-0.003	.0025	-0.007	.000	.000	.019	-0.004	.0049	.0145
Stddev	.000	.000	.006	.001	.002	.005	.003	.0027	.005
%RSD	8.552	1.151	85.24	6045.	543.3	27.74	78.82	54.87	3.125
#1	-0.003	.0024	-0.011	-0.009	.002	.015	-0.006	.0030	.0142
#2	-0.003	.0025	-0.003	.008	-0.001	.023	-0.002	.0068	.0148
Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	.0110	-0.060	.0329	.1532	-0.008	-0.006	-0.007	.0207	.0002
Stddev	.0027	.0140	.0122	.0054	.000	.001	.008	.0008	.002
%RSD	24.69	232.5	37.05	3.548	1.708	9.729	116.5	3.970	80.25
#1	.0129	-0.160	.0243	.1570	-0.008	-0.006	-0.013	.0201	.001
#2	.0091	-0.039	.0416	.1493	-0.008	-0.005	-0.001	.0212	.003
Elem	Sr4077	Ti3349	W_2079						
Avg	-0.003	-0.002	-0.162						
Stddev	.000	.000	.005						
%RSD	7.757	19.20	3.052						
#1	-0.003	-0.002	-0.158						
#2	-0.003	-0.002	-0.165						
Int. Std.	Y_3600	Y_3710	Y_2243	In2306					
Avg	110110.	18853.	2265.9	5143.7					
Stddev	53.	4.	2.8	1.0					
%RSD	.04768	.02252	.12139	.01937					
#1	110080.	18850.	2264.0	5142.9					
#2	110150.	18856.	2267.9	5144.4					

Sample Name: CCV Acquired: 9/20/2009 5:28:57 Type: QC									
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000									
User: admin Custom ID1: Custom ID2: Custom ID3:									
Comment:									
Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.033	2.069	2.076	2.080	2.035	2.011	1.981	2.095	.2498
Stddev	.003	.002	.000	.001	.003	.005	.002	.001	.0011
%RSD	.1208	.0874	.0078	.0533	.1281	.2629	.1186	.0690	.4336
#1	2.035	2.071	2.076	2.079	2.037	2.014	1.983	2.094	.2505
#2	2.032	2.068	2.076	2.081	2.033	2.007	1.980	2.096	.2490
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.078	2.043	2.054	2.038	2.076	2.060	2.044	40.53	40.62
Stddev	.001	.002	.001	.003	.004	.001	.002	.007	.004
%RSD	.0596	.0887	.0428	.1679	.1972	.0306	.0789	.1755	.0977
#1	2.079	2.042	2.055	2.041	2.078	2.060	2.043	40.58	40.65
#2	2.078	2.044	2.053	2.036	2.073	2.059	2.045	40.48	40.59
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	40.98	40.37	40.89	40.57	2.084	2.082	2.032	4.954	2.073
Stddev	.02	.02	.00	.06	.002	.001	.004	.010	.002
%RSD	.0526	.0463	.0007	.1385	.0746	.0569	.1752	.1994	.1156
#1	40.99	40.39	40.89	40.61	2.085	2.082	2.034	4.961	2.071
#2	40.96	40.36	40.89	40.53	2.082	2.083	2.029	4.947	2.074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

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Sample Name: CCV Acquired: 9/20/2009 5:28:57 Type: QC				
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000				
User: admin Custom ID1: Custom ID2: Custom ID3:				
Comment:				
Elem	Sr4077	Ti3349	W_2079	
Units	ppm	ppm	ppm	
Avg	2.098	2.010	2.024	
Stddev	.000	.003	.006	
%RSD	.0076	.1339	.2822	
#1	2.098	2.011	2.020	
#2	2.097	2.008	2.028	
Check ?	Chk Pass	Chk Pass	Chk Pass	
Value				
Range				
Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	106330.	18445.	2195.0	4770.8
Stddev	19.	11.	1	9.4
%RSD	.01808	.05848	.00510	.19675
#1	106320.	18437.	2194.9	4777.5
#2	106350.	18452.	2195.1	4764.2

Sample Name: CCB Acquired: 9/20/2009 5:34:56 Type: QC									
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000									
User: admin Custom ID1: Custom ID2: Custom ID3:									
Comment:									
Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0001	.0002	.0001	.0000	.0006	.0002	-0.0001	.0003
Stddev	.0003	.0000	.0001	.0002	.0001	.0004	.0000	.0000	.0000
%RSD	866.5	34.70	59.79	156.2	608.2	61.32	20.35	30.55	5.005
#1	-0.002	.0001	.0004	.0003	.0001	.0009	.0002	-0.0002	.0003
#2	-0.002	.0001	.0001	.0000	-0.001	.0003	.0002	-0.0001	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0001	.0012	.0010	.0006	.0006	.0002	.0032	.0130
Stddev	.0003	.0001	.0002	.0005	.0002	.0011	.0009	.0070	.0006
%RSD	242.6	134.0	12.90	51.53	28.58	192.0	544.7	220.2	4.382
#1	.0003	.0002	.0011	.0014	.0008	.0013	.0008	-0.0018	.0126
#2	-0.001	.0000	.0013	.0007	.0005	-0.002	-0.005	.0082	.0134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0052	.0127	.0785	.1412	.0006	.0007	-0.0001	.0037	.0004
Stddev	.0001	.0007	.0095	.0004	.0001	.0003	.0005	.0010	.0001
%RSD	1.575	5.751	12.05	.2524	23.22	47.29	426.6	27.77	30.18
#1	.0052	.0122	.0718	.1410	.0007	.0010	-0.0004	.0044	.0005
#2	.0053	.0132	.0852	.1415	.0005	.0005	.0002	.0029	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Sample Name: CCB Acquired: 9/20/2009 5:34:56 Type: QC
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 4 columns: Elem, Sr4077, Ti3349, W\_2079. Rows include Units, Avg, Stddev, %RSD, #1, #2.

Check ? Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Table with 5 columns: Int. Std., Y\_3600, Y\_3710, Y\_2243, In2306. Rows include Units, Avg, Stddev, %RSD, #1, #2.

Sample Name: ICSA Acquired: 9/20/2009 5:41:09 Type: QC
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 11 columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Rows include Units, Avg, Stddev, %RSD, #1, #2.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Table with 11 columns: Elem, V\_2924, Zn2062, As1890, Tl1908, Pb2203, Se1960, Sb2068, Al3961, Ca3179. Rows include Units, Avg, Stddev, %RSD, #1, #2.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Table with 11 columns: Elem, Fe2599, Mg2790, K\_7664, Na5895, B\_2089, Mo2020, Pd3404, Si2124, Sn1899. Rows include Units, Avg, Stddev, %RSD, #1, #2.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: ICSA Acquired: 9/20/2009 5:41:09 Type: QC
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 4 columns: Elem, Sr4077, Ti3349, W\_2079. Rows include Units, Avg, Stddev, %RSD, #1, #2.

Check ? Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Table with 5 columns: Int. Std., Y\_3600, Y\_3710, Y\_2243, In2306. Rows include Units, Avg, Stddev, %RSD, #1, #2.

Sample Name: ICSAB Acquired: 9/20/2009 5:47:23 Type: QC
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 11 columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Rows include Units, Avg, Stddev, %RSD, #1, #2.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Table with 11 columns: Elem, V\_2924, Zn2062, As1890, Tl1908, Pb2203, Se1960, Sb2068, Al3961, Ca3179. Rows include Units, Avg, Stddev, %RSD, #1, #2.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Table with 11 columns: Elem, Fe2599, Mg2790, K\_7664, Na5895, B\_2089, Mo2020, Pd3404, Si2124, Sn1899. Rows include Units, Avg, Stddev, %RSD, #1, #2.

Check ? Chk Pass Chk Pass None None None Chk Pass Chk Pass None None
Value Range

Sample Name: ICSAB Acquired: 9/20/2009 5:47:23 Type: QC  
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
User: admin Custom ID1: Custom ID2: Custom ID3:  
Comment:

Elem	Sr4077	Ti3349	W_2079
Units	ppm	ppm	ppm
Avg	.0057	.0030	F .6002
Stddev	.0000	.0000	.0097
%RSD	.6948	1.266	1.623

#1	.0057	.0030	.5933
#2	.0057	.0030	.6071

Check ? None None Chk Fail  
Value .5000  
Range 20.00%

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	97818.	17771.	1997.8	4133.5
Stddev	70.	13.	30.5	56.3
%RSD	.07182	.07282	1.5250	1.3627

#1	97868.	17780.	2019.3	4173.3
#2	97769.	17761.	1976.3	4093.7

Sample Name: CCV Acquired: 9/20/2009 5:53:34 Type: QC  
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
User: admin Custom ID1: Custom ID2: Custom ID3:  
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.030	2.058	2.065	2.071	2.035	2.005	1.958	2.085	.2493
Stddev	.003	.002	.006	.006	.006	.002	.000	.005	.0000
%RSD	.1440	.1135	.3053	.3017	.2893	.1033	.0143	.2311	.0144

#1	2.028	2.056	2.069	2.075	2.039	2.007	1.958	2.088	.2493
#2	2.032	2.059	2.061	2.066	2.031	2.004	1.957	2.081	.2492

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
Value  
Range

Elem	V_2924	Zn2062	As1890	Ti1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.085	2.028	2.043	2.018	2.063	2.049	2.032	40.45	40.43
Stddev	.003	.003	.002	.014	.004	.002	.003	.07	.02
%RSD	.1618	.1664	.0728	.6980	.1829	.0759	.1635	.1792	.0511

#1	2.083	2.030	2.044	2.008	2.066	2.048	2.035	40.40	40.41
#2	2.087	2.025	2.042	2.028	2.060	2.050	2.030	40.50	40.44

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
Value  
Range

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	40.89	40.28	40.75	40.52	2.071	2.077	2.022	4.875	2.061
Stddev	.02	.06	.01	.07	.002	.001	.001	.009	.000
%RSD	.0434	.1449	.0173	.1648	.1056	.0366	.0438	.1768	.0017

#1	40.90	40.24	40.74	40.47	2.073	2.077	2.022	4.881	2.061
#2	40.87	40.32	40.75	40.57	2.070	2.076	2.021	4.869	2.061

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
Value  
Range

Sample Name: CCV Acquired: 9/20/2009 5:53:34 Type: QC  
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
User: admin Custom ID1: Custom ID2: Custom ID3:  
Comment:

Elem	Sr4077	Ti3349	W_2079
Units	ppm	ppm	ppm
Avg	2.095	2.005	2.021
Stddev	.004	.002	.004
%RSD	.1689	.0968	.1797

#1	2.093	2.003	2.019
#2	2.098	2.006	2.024

Check ? Chk Pass Chk Pass Chk Pass  
Value  
Range

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	106290.	18510.	2193.0	4770.9
Stddev	28.	32.	5.5	11.0
%RSD	.02679	.17454	.24906	.23128

#1	106310.	18533.	2189.1	4763.1
#2	106270.	18487.	2196.8	4778.7

Sample Name: CCB Acquired: 9/20/2009 5:59:33 Type: QC  
Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
User: admin Custom ID1: Custom ID2: Custom ID3:  
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0002	.0003	.0002	.0003	.0005	.0003	.0001	-.0002
Stddev	.000	.0001	.0004	.0001	.0004	.0000	.0001	.0001	.0001
%RSD	205.4	54.73	135.4	55.24	113.9	2.076	21.50	101.9	44.78

#1	-.0001	.0001	.0000	.0003	.0006	.0005	.0003	.0001	-.0002
#2	.0000	.0002	.0005	.0001	.0001	.0005	.0002	.0000	-.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
High Limit  
Low Limit

Elem	V_2924	Zn2062	As1890	Ti1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0004	.0010	.0014	-.0002	.0010	.0005	.0064	.0258
Stddev	.0003	.0001	.0002	.0006	.0002	.0010	.0004	.0113	.0124
%RSD	106.4	13.85	20.89	40.65	83.28	96.41	85.23	175.9	48.17

#1	.0001	.0004	.0009	.0010	-.0004	.0017	.0002	-.0016	.0170
#2	.0004	.0004	.0011	.0018	-.0001	.0003	.0007	.0144	.0346

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
High Limit  
Low Limit

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0123	.0281	.0506	.1201	.0012	.0009	-.0016	.0054	.0003
Stddev	.0057	.0135	.0261	.0036	.0001	.0001	.0028	.0003	.0002
%RSD	46.42	48.21	51.63	3.001	12.00	14.82	169.8	4.932	90.16

#1	.0082	.0185	.0321	.1227	.0013	.0010	.0003	.0056	.0001
#2	.0163	.0377	.0690	.1176	.0011	.0008	-.0036	.0052	.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass  
High Limit  
Low Limit

Sample Name: CCB Acquired: 9/20/2009 5:59:33 Type: QC  
 Method: Accutest1(v164) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Sr4077	Ti3349	W_2079
Units	ppm	ppm	ppm
Avg	.0001	.0002	-.0024
Stddev	.0001	.0003	.0008
%RSD	51.17	122.6	32.13

#1	.0001	.0005	-.0018
#2	.0002	.0000	-.0029

Check ? Chk Pass Chk Pass Chk Pass  
 High Limit  
 Low Limit

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	109820.	17979.	2280.1	5110.4
Stddev	280.	75.	7.9	10.1
%RSD	.25521	.41880	.34589	.19768

#1	110020.	18032.	2285.6	5117.6
#2	109620.	17926.	2274.5	5103.3

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ba 455.403 {174}	<input checked="" type="checkbox"/>	1	Mg	0.000007	0.000000	No
Be 313.042 {108}	<input checked="" type="checkbox"/>	10	V	0.001370	0.000000	No
			Mo	-0.000058	0.000000	No
			Ti	-0.001593	0.000000	No
			Mn	0.000033	0.000000	No
			Ba	0.000015	0.000000	No
			Co	0.000010	0.000000	No
			Ni	0.000004	0.000000	No
			Ca	0.000000	0.000000	No
			Cu	0.000034	0.000000	No
			Zn	-0.000010	0.000000	No
Cd 228.802 {448}	<input checked="" type="checkbox"/>	12	As	0.017300	0.000000	No
			Ni	-0.000162	0.000000	No
			Fe	-0.000018	0.000000	No
			V	0.000061	0.000000	No
			Ba	-0.000047	0.000000	No
			Co	0.010871	0.000000	No
			Sr	-0.000006	0.000000	No
			Ca	0.000000	0.000000	No
			Mn	0.000021	0.000000	No
			Cr	-0.000076	0.000000	No
			Si	-0.000005	0.000000	No
			Cu	0.000006	0.000000	No
Co 228.616 {448}	<input checked="" type="checkbox"/>	6	Fe	0.000023	0.000000	No
			Cr	0.000118	0.000000	No
			Mo	-0.002933	0.000000	No
			Ni	0.000256	0.000000	No
			Ti	0.002177	0.000000	No
			Ba	0.000130	0.000000	No
Cr 267.716 {126}	<input checked="" type="checkbox"/>	6	Mn	0.000452	0.000000	No
			V	-0.000022	0.000000	No
			Mo	0.000018	0.000000	No
			Fe	-0.000014	0.000000	No
			W	0.000690	0.000000	No
			Cd	-0.000261	0.000000	No
Cu 324.754 {104}2	<input checked="" type="checkbox"/>	8	Cr	0.000060	0.000000	No
			V	-0.000283	0.000000	No
			Mo	0.000594	0.000000	No
			Ti	-0.000162	0.000000	No
			Fe	0.000112	0.000000	No
			Al	0.000003	0.000000	No
			Sn	0.000173	0.000000	No
			Zn	0.000066	0.000000	No
Mn 257.610 {131}	<input checked="" type="checkbox"/>	None				
Ni 231.604 {446}	<input checked="" type="checkbox"/>	6	Fe	0.000001	0.000000	No
			Zn	0.000079	0.000000	No
			Be	-0.000087	0.000000	No
			Co	0.000431	0.000000	No
			Ti	0.000409	0.000000	No
			Mg	0.000002	0.000000	No
Ag 328.068 {103}	<input checked="" type="checkbox"/>	5	Mn	0.000110	0.000000	No
			Mo	0.000023	0.000000	No
			Ti	-0.000200	0.000000	No
			Fe	-0.000019	0.000000	No
			V	0.001600	0.000000	No
V 292.402 {115}	<input checked="" type="checkbox"/>	4	Ti	0.000630	0.000000	No
			Mo	-0.015500	0.000000	No
			Fe	0.000102	0.000000	No
			Sr	0.000300	0.000000	No
Zn 206.200 {464}	<input checked="" type="checkbox"/>	10	Cr	0.000900	0.000000	No
			Mo	0.000516	0.000000	No
			Fe	0.000018	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Al	0.000003	0.000000	No
			Si	0.000165	0.000000	No
			Mn	-0.000100	0.000000	No
			Ba	0.000578	0.000000	No
			Na	0.000003	0.000000	No
			Ca	0.000013	0.000000	No
			Sr	-0.000333	0.000000	No
As 189.042 (478)	<input checked="" type="checkbox"/>	18	Al	0.000013	0.000000	No
			Fe	-0.000016	0.000000	No
			Ca	0.000008	0.000000	No
			Mn	-0.000062	0.000000	No
			Mo	0.003215	0.000000	No
			Cr	0.000634	0.000000	No
			V	-0.000043	0.000000	No
			Co	-0.000342	0.000000	No
			Ba	-0.000183	0.000000	No
			W	0.001090	0.000000	No
			Sn	-0.000237	0.000000	No
			Cd	-0.000228	0.000000	No
			Tl	0.000110	0.000000	No
			Be	0.000193	0.000000	No
			Mg	-0.000000	0.000000	No
			Si	0.000006	0.000000	No
			Zn	0.000135	0.000000	No
			Sr	-0.000013	0.000000	No
Tl 190.856 (477)	<input checked="" type="checkbox"/>	19	Cr	0.000124	0.000000	No
			Mo	-0.001044	0.000000	No
			Al	0.000021	0.000000	No
			Fe	-0.000090	0.000000	No
			V	-0.013500	0.000000	No
			Mn	0.001245	0.000000	No
			Si	0.000023	0.000000	No
			Ca	-0.000008	0.000000	No
			Ti	-0.001056	0.000000	No
			Na	0.000000	0.000000	No
			Mg	0.000003	0.000000	No
			Co	0.003950	0.000000	No
			Sr	0.000031	0.000000	No
			B	-0.000018	0.000000	No
			Ba	0.000133	0.000000	No
			Zn	0.000150	0.000000	No
			As	0.000053	0.000000	No
			W	-0.008466	0.000000	No
			Ni	0.000174	0.000000	No
Pb 220.353 (453)	<input checked="" type="checkbox"/>	19	Al	-0.000106	0.000000	No
			Fe	0.000030	0.000000	No
			Ca	-0.000001	0.000000	No
			Mn	0.000063	0.000000	No
			Zn	-0.000036	0.000000	No
			Mo	-0.002172	0.000000	No
			Ni	0.000086	0.000000	No
			Cu	0.000716	0.000000	No
			V	-0.000088	0.000000	No
			Co	-0.000512	0.000000	No
			Ti	0.000037	0.000000	No
			Si	0.000012	0.000000	No
			Ba	-0.000030	0.000000	No
			Sb	0.000000	0.000000	No
			K	0.000004	0.000000	No
			Sr	-0.000090	0.000000	No
			W	0.000677	0.000000	No
			Mg	0.000002	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Se 196.090 {472}	<input checked="" type="checkbox"/>	16	Cd	0.000119	0.000000	No
			Al	0.000005	0.000000	No
			Ca	0.000006	0.000000	No
			Mn	0.000340	0.000000	No
			Mo	0.000081	0.000000	No
			Fe	-0.000194	0.000000	No
			Co	0.001212	0.000000	No
			V	-0.000083	0.000000	No
			Sr	0.000125	0.000000	No
			Cu	-0.000007	0.000000	No
			W	0.010503	0.000000	No
			Si	0.000012	0.000000	No
			Tl	0.000204	0.000000	No
			Be	-0.000008	0.000000	No
			Zn	-0.000130	0.000000	No
			Sb 206.833 {463}	<input checked="" type="checkbox"/>	11	B
Pd	-0.009500	0.000000				No
Fe	0.000009	0.000000				No
Al	0.000001	0.000000				No
Ca	-0.000004	0.000000				No
Ni	-0.001650	0.000000				No
Cr	0.016270	0.000000				No
V	-0.002238	0.000000				No
Zn	0.000188	0.000000				No
Mo	0.000204	0.000000				No
Ti	0.000291	0.000000				No
Al 396.152 { 85}	<input checked="" type="checkbox"/>	3	Sn	-0.017994	0.000000	No
			W	0.003725	0.000000	No
			Si	0.000976	0.000000	No
Ca 317.933 {106}	<input checked="" type="checkbox"/>	6	Ca	0.000239	0.000000	No
			Mo	0.037865	0.000000	No
Fe 259.940 {130}	<input checked="" type="checkbox"/>	12	Fe	0.000223	0.000000	No
			Ti	-0.000446	0.000000	No
			W	0.010000	0.000000	No
			Tl	0.014950	0.000000	No
			Be	0.022728	0.000000	No
			Ba	-0.007342	0.000000	No
			Co	0.000154	0.000000	No
K 766.490 { 44}	<input checked="" type="checkbox"/>	10	Si	0.000019	0.000000	No
			Tl	0.029601	0.000000	No
			Se	0.000000	0.000000	No
			Cr	0.000634	0.000000	No
			Mn	-0.003500	0.000000	No
			V	0.001936	0.000000	No
			Cu	0.000953	0.000000	No
			K	-0.001830	0.000000	No
			Zn	0.003900	0.000000	No
			Ti	0.000169	0.000000	No
			Ca	0.000150	0.000000	No
			Mg 279.079 {121}	<input checked="" type="checkbox"/>	1	Mo
Fe	-0.000310	0.000000				No
Na 589.592 { 57}	<input checked="" type="checkbox"/>	1	Al	0.000101	0.000000	No
			Ca	-0.000171	0.000000	No
			Mn	0.002922	0.000000	No
			Si	0.003000	0.000000	No
			V	0.010000	0.000000	No
			Pd	-0.030000	0.000000	No
			Sn	-0.040000	0.000000	No
			Na	0.004000	0.000000	No
			Ba	0.002255	0.000000	No
			K	-0.000560	0.000000	No
B 208.959 {462}	<input checked="" type="checkbox"/>	1	Mo	0.036236	0.000000	No



Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Mo 202.030 {467}	<input checked="" type="checkbox"/>	None				
Pd 340.458 {99}	<input checked="" type="checkbox"/>	5	Ti	0.000261	0.000000	No
			V	0.000757	0.000000	No
			Sn	-0.000006	0.000000	No
			Fe	-0.000040	0.000000	No
			Mo	-0.000428	0.000000	No
Si 212.412 {459}	<input checked="" type="checkbox"/>	11	Sr	0.000366	0.000000	No
			Ni	0.000106	0.000000	No
			Mo	0.030340	0.000000	No
			V	0.002240	0.000000	No
			Ti	0.009359	0.000000	No
			Al	-0.000027	0.000000	No
			Cd	0.001043	0.000000	No
			Ba	0.001873	0.000000	No
			Fe	-0.000066	0.000000	No
			Sn	0.021621	0.000000	No
			Zn	0.000385	0.000000	No
Sn 189.989 {478}	<input checked="" type="checkbox"/>	3	Ti	-0.002125	0.000000	No
			Mo	0.000071	0.000000	No
			Fe	0.000033	0.000000	No
Sr 407.771 {83}	<input checked="" type="checkbox"/>	1	Fe	-0.000000	0.000000	No
Ti 334.904 {101}	<input checked="" type="checkbox"/>	2	Cr	0.000189	0.000000	No
			Mo	0.001417	0.000000	No
Y 360.073 {94}*	<input checked="" type="checkbox"/>	None				
Y 371.030 {91}*	<input checked="" type="checkbox"/>	None				
Y 224.306 {451}*	<input checked="" type="checkbox"/>	None				
In 230.606 {446}*	<input checked="" type="checkbox"/>	None				
W 207.911 {462}	<input checked="" type="checkbox"/>	7	Al	-0.000024	0.000000	No
			Si	-0.000400	0.000000	No
			Ca	-0.000013	0.000000	No
			Fe	-0.000040	0.000000	No
			As	0.004000	0.000000	No
			Mg	-0.000040	0.000000	No
			Mn	-0.002300	0.000000	No



Aqueous Digestion Log MP Batch ID: MP49677

ICP DIGESTION METHOD: SW846 3010A

Heating Method (circle one): Digestion Block / Hot Plates

Method Blank ID:	<u>MP49677</u>	Prep Date:	
Lab Control/Spike Blank ID:		Start Time: <u>10:00</u>	Start Temp: <u>94.1.93</u> Thermometer ID #: <u>373</u>
Lab Control Source:		End Time: <u>4:00</u>	End Temp: <u>95.1.94</u>
DUP 1 Sample ID:	Acceptable temperature Ranges:		
DUP 2 Sample ID:	EPA 200.7 90 to 95 deg. C		
MS 1 Sample ID: <u>JA27477-3 (S<sub>2</sub>)</u>	SW846 3010A, 3020A, 3050B 90 to 95 deg. C		
MS 2 Sample ID: <u>JA27477-3F(S<sub>4</sub>)</u>			

Note: Serial dilution shown for QC tracking only. Not a separate digestate.

Sample ID	Pres Y/N	Initial Sample Volume	Final Volume in ML	Acids Used		Spikes Used		Comments
				Amount and Name	Added - Y or N	Amount and Name	Added - Y or N	
MP49677-MB <sub>1</sub>	N	50	50	3.0 ml conc. HNO3	Y			
MP49677-LC <sub>1</sub>	Y			5.0 ml 1:1 HCL	Y			
MP49677-S <sub>2</sub>						0.50 ml SP, 0.50 ml MIN1	Y	
MP49677-S <sub>3</sub>						0.50 ml SP, 0.50 ml MIN1	Y	
MP49677-SD <sub>1</sub>								
1 JA27477-1								
2 JA27477-2								
3 JA27477-3								
4 JA27477-4								
5 JA27477-5								
6 JA27477-6								
7 JA27477-7								
8 JA27477-8								
9 JA27477-1F								
10 JA27477-2F								
11 JA27477-3F								
12 JA27477-4F								
13 JA27477-5F								
14 JA27477-6F								
15 JA27477-7F								
16 JA27293-11								
17 JA27293-12								
18 JA27718-1F								
19 JA27766-5								
20 JA27293-5								

9/18/09

Analyst: Huter 9/18/09 QC Reviewer: [Signature] 9/18/09

Form AA-018A (3010A)  
Rev. Date: 01/12/09

6.2.1  
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## General Chemistry

### QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries
- Instrument Runlogs/QC

METHOD BLANK AND SPIKE RESULTS SUMMARY  
GENERAL CHEMISTRY

Login Number: JA27477  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Chromium, Hexavalent	GN30041	0.010	0.0	mg/l				
Chromium, Hexavalent	GN30041	0.010	0.0	mg/l	.15	0.15	100.0	90-110%

Associated Samples:

Batch GN30041: JA27477-1, JA27477-1F, JA27477-2, JA27477-2F, JA27477-3, JA27477-3F, JA27477-4, JA27477-4F, JA27477-5, JA27477-5F, JA27477-6, JA27477-6F, JA27477-7, JA27477-7F, JA27477-8

(\*) Outside of QC limits

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DUPLICATE RESULTS SUMMARY  
GENERAL CHEMISTRY

Login Number: JA27477  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Chromium, Hexavalent	GN30041	JA27477-3F	mg/l	0.0	0.0	0.0	0-20%
Chromium, Hexavalent	GN30041	JA27477-3	mg/l	0.0	0.0	0.0	0-20%

Associated Samples:

Batch GN30041: JA27477-1, JA27477-1F, JA27477-2, JA27477-2F, JA27477-3, JA27477-3F, JA27477-4, JA27477-4F, JA27477-5, JA27477-5F, JA27477-6, JA27477-6F, JA27477-7, JA27477-7F, JA27477-8  
(\* ) Outside of QC limits

7.2  
7

MATRIX SPIKE RESULTS SUMMARY  
GENERAL CHEMISTRY

Login Number: JA27477  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chromium, Hexavalent	GN30041	JA27477-3F	mg/l	0.0	.15	0.0	0.0N(a)	85-115%
Chromium, Hexavalent	GN30041	JA27477-3	mg/l	0.0	.15	0.0	0.0N(b)	85-115%

Associated Samples:

Batch GN30041: JA27477-1, JA27477-1F, JA27477-2, JA27477-2F, JA27477-3, JA27477-3F, JA27477-4, JA27477-4F, JA27477-5, JA27477-5F, JA27477-6, JA27477-6F, JA27477-7, JA27477-7F, JA27477-8

(\*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(a) Spike recovery indicates possible matrix interference. Good pH adjusted post spike recovery (96%)

(b) Spike recovery indicates possible matrix interference. Good pH adjusted post spike recovery (88%)

7.3

7



## General Chemistry

Raw Data





						FALSE	-0.0041	50.0	50.0	1	-0.004	mg/l	0.002	0.010
						FALSE	-0.0041	50.0	50.0	1	-0.004	mg/l	0.002	0.010
						FALSE	-0.0041	50.0	50.0	1	-0.004	mg/l	0.002	0.010
						FALSE	-0.0041	50.0	50.0	1	-0.004	mg/l	0.002	0.010
						FALSE	-0.0041	50.0	50.0	1	-0.004	mg/l	0.002	0.010
	<b>CCV</b>	0.486	NA	22:05	0.486	0.5062	NA	NA	NA	NA	NA	mg/l	0.002	0.010
	<b>CCB</b>	0.000	NA	22:06	0.000	-0.0041	NA	NA	NA	NA	NA	mg/l	0.002	0.010
	gn30041-MB2	0.000	0.000		0.000	-0.0041	50.0	50.0	1	-0.004	mg/l	0.002	0.010	
	gn30041-B2	0.148	0.000	22:13	0.148	0.1513	50.0	50.0	1	0.151	mg/l	0.002	0.010	
1	gn30041-S3	0.150	0.000	22:13	0.150	0.1534	50.0	50.0	1	0.153	mg/l	0.002	0.010	
1	gn30041-D3	0.000	0.000	22:13	0.000	-0.0041	50.0	50.0	1	-0.004	mg/l	0.002	0.010	
1	JA27499-1F	0.000	0.000	22:13	0.000	-0.0041	50.0	50.0	1	-0.004	mg/l	0.002	0.010	
1	JA27499-2F	0.000	0.000	22:13	0.000	-0.0041	50.0	50.0	1	-0.004	mg/l	0.002	0.010	
1	JA27499-3F	0.000	0.000	22:13	0.000	-0.0041	50.0	50.0	1	-0.004	mg/l	0.002	0.010	
1	JA27499-4F	0.001	0.000	22:13	0.001	-0.0031	50.0	50.0	1	-0.003	mg/l	0.002	0.010	
						FALSE	-0.0041	50.0	50.0	1	-0.004	mg/l	0.002	0.010
						FALSE	-0.0041	50.0	50.0	1	-0.004	mg/l	0.002	0.010
	<b>CCV</b>	0.486	NA	22:13	0.486	0.5062	NA	NA	NA	NA	NA	mg/l	0.002	0.010
	<b>CCB</b>	0.000	NA	22:13	0.000	-0.0041	NA	NA	NA	NA	NA	mg/l	0.002	0.010
1	gn30041-S4	0.008	0.001		0.007	0.0032	50.0	50.0	1	0.003	mg/l	0.002	0.010	
1	gn30041-D4	0.014	0.001	22:23	0.013	0.0095	50.0	50.0	1	0.010	mg/l	0.002	0.010	
1	JA27481-1	0.001	0.001	22:23	0.000	-0.0041	50.0	50.0	1	-0.004	mg/l	0.002	0.010	
1	JA27481-2	0.004	0.000	22:23	0.004	0.0001	50.0	50.0	1	0.000	mg/l	0.002	0.010	
1	JA27481-3	0.015	0.001	22:23	0.014	0.0106	50.0	50.0	1	0.011	mg/l	0.002	0.010	
1	JA27481-4	0.010	0.000	22:23	0.010	0.0064	50.0	50.0	1	0.006	mg/l	0.002	0.010	
1	JA27481-5	0.002	0.000	22:23	0.002	-0.0020	50.0	50.0	1	-0.002	mg/l	0.002	0.010	
1	JA27481-6	0.001	0.001	22:23	0.000	-0.0041	50.0	50.0	1	-0.004	mg/l	0.002	0.010	
1	JA27481-7	0.000	0.000	22:23	0.000	-0.0041	50.0	50.0	1	-0.004	mg/l	0.002	0.010	
						FALSE	-0.0041	50.0	50.0	1	-0.004	mg/l	0.002	0.010
	<b>CCV</b>	0.485	NA	22:23	0.485	0.5051	NA	NA	NA	NA	NA	mg/l	0.002	0.010
	<b>CCB</b>	0.000	NA	22:24	0.000	-0.0041	NA	NA	NA	NA	NA	mg/l	0.002	0.010
1	gn30041-S5	0.001	0.000	22:30	0.001	-0.0031	50.0	50.0	1	-0.003	mg/l	0.002	0.010	
1	gn30041-D5	0.003	0.000	22:30	0.003	-0.0010	50.0	50.0	1	-0.001	mg/l	0.002	0.010	
1	JA27481-1F	0.000	0.000	22:30	0.000	-0.0041	50.0	50.0	1	-0.004	mg/l	0.002	0.010	
1	JA27481-2F	0.000	0.000	22:30	0.000	-0.0041	50.0	50.0	1	-0.004	mg/l	0.002	0.010	
1	JA27481-3F	0.003	0.000	22:30	0.003	-0.0010	50.0	50.0	1	-0.001	mg/l	0.002	0.010	
1	JA27481-4F	0.004	0.000	22:30	0.004	0.0001	50.0	50.0	1	0.000	mg/l	0.002	0.010	
11	JA27481-5F	0.004	0.000	22:30	0.004	0.0001	50.0	50.0	1	0.000	mg/l	0.002	0.010	
1	JA27481-6F	0.000	0.000	22:30	0.000	-0.0041	50.0	50.0	1	-0.004	mg/l	0.002	0.010	
1	JA27481-3FCONF	0.004	0.000	22:30	0.004	0.0001	50.0	50.0	5	0.000	mg/l	0.010	0.050	
1	JA27481-3FPHCONF	0.011	0.000	22:30	0.011	0.0074	50.0	50.0	1	0.007	mg/l	0.002	0.010	
	<b>CCV</b>	0.485	NA	22:28	0.485	0.5051	NA	NA	NA	NA	NA	mg/l	0.002	0.010
	<b>CCB</b>	0.000	NA	22:28	0.000	-0.0041	NA	NA	NA	NA	NA	mg/l	0.002	0.010
1	JA27481-3CONF	0.008	0.000	22:30	0.008	0.0043	50.0	50.0	5	0.021	mg/l	0.010	0.050	
1	JA27481-3PHCONF	0.010	0.000	22:30	0.010	0.0064	50.0	50.0	1	0.006	mg/l	0.002	0.010	
						FALSE	-0.0041	50.0	50.0	1	-0.004	mg/l	0.002	0.010
						FALSE	-0.0041	50.0	50.0	1	-0.004	mg/l	0.002	0.010
						FALSE	-0.0041	50.0	50.0	1	-0.004	mg/l	0.002	0.010
						FALSE	-0.0041	50.0	50.0	1	-0.004	mg/l	0.002	0.010
						FALSE	-0.0041	50.0	50.0	1	-0.004	mg/l	0.002	0.010
						FALSE	-0.0041	50.0	50.0	1	-0.004	mg/l	0.002	0.010
						FALSE	-0.0041	50.0	50.0	1	-0.004	mg/l	0.002	0.010
						FALSE	-0.0041	50.0	50.0	1	-0.004	mg/l	0.002	0.010
	<b>CCV</b>	0.485	NA	22:30	0.485	0.5051	NA	NA	NA	NA	NA	mg/l	0.002	0.010
	<b>CCB</b>	0.000	NA	22:30	0.000	-0.0041	NA	NA	NA	NA	NA	mg/l	0.002	0.010
1	gn30041-S6	0.357	0.000	22:40	0.357	0.3707	50.0	50.0	25	9.268	mg/l	0.050	0.250	
1	gn30041-D6	0.121	0.000	22:40	0.121	0.1229	50.0	50.0	25	3.073	mg/l	0.050	0.250	
1	JA27503-1	2.455	OVR	22:40	FALSE	-0.0041	50.0	50.0	1	-0.004	mg/l	0.002	0.010	
1	JA27503-1	0.117	0.000	22:40	0.117	0.1187	50.0	50.0	25	2.968	mg/l	0.050	0.250	
						FALSE	-0.0041	50.0	50.0	1	-0.004	mg/l	0.002	0.010
						FALSE	-0.0041	50.0	50.0	1	-0.004	mg/l	0.002	0.010
						FALSE	-0.0041	50.0	50.0	1	-0.004	mg/l	0.002	0.010
						FALSE	-0.0041	50.0	50.0	1	-0.004	mg/l	0.002	0.010
						FALSE	-0.0041	50.0	50.0	1	-0.004	mg/l	0.002	0.010
						FALSE	-0.0041	50.0	50.0	1	-0.004	mg/l	0.002	0.010
						FALSE	-0.0041	50.0	50.0	1	-0.004	mg/l	0.002	0.010
						FALSE	-0.0041	50.0	50.0	1	-0.004	mg/l	0.002	0.010
	<b>CCV</b>	0.485	NA	22:40	0.485	0.5051	NA	NA	NA	NA	NA	mg/l	0.002	0.010
	<b>CCB</b>	0.000	NA	22:41	0.000	-0.0041	NA	NA	NA	NA	NA	mg/l	0.002	0.010

Comments:

*Ull 9/1/14*

Test: Hexavalent Chromium  
 Product: XCr  
 Method: SW846 7196A (NJDEP mod)

MDL = 0.002 mg/l  
 RDL = 0.010 mg/l

GNBatch ID: GN30041  
 Date: 9/9/09

**Digestion Batch QC Summary**

Units = mg/l

Method Blank ID: m01 Date: 9/9/09 Result: <RDL RDL: 0.01 <RDL: Yes  
 Spike Blank ID: B1 Date: ↓ Result: 0.148 Spike: 0.150 %Rec.: 98.67%  
 Duplicate ID: D1 Samp. Result: <0.002 Dup. Result: 0.002 %RPD: 0.0%  
 MS ID: S1 Samp. Result: <0.002 MS Result: <0.002 Spike 0.150 %Rec.: 0.0%  
 Diluted Sample ID: SA7-477-3F Samp. Result: <0.002 Dil. Result: <0.002 %RPD: 0.0%  
 pH adj. PS ID: ↓ Samp. Result: <0.002 MS Result: 0.144 Spike: 0.150 %Rec.: 96.00%

**Analysis Batch QC Summary**

Units = mg/l

CCV: <u>9/9/09</u>	Result: <u>0.508</u>	TV: <u>0.500</u>	%Rec.: <u>102%</u>
CCV: <u>↓</u>	Result: <u>0.505</u>	TV: <u>↓</u>	%Rec.: <u>101%</u>
CCV: <u>↓</u>	Result: <u>0.505</u>	TV: <u>↓</u>	%Rec.: <u>101%</u>
CCV: <u>↓</u>	Result: <u>0.505</u>	TV: <u>↓</u>	%Rec.: <u>101%</u>
CCV: <u>↓</u>	Result: <u>0.525</u>	TV: <u>↓</u>	%Rec.: <u>101%</u>
CCV: <u>↓</u>	Result: <u>0.506</u>	TV: <u>↓</u>	%Rec.: <u>101%</u>

CCB: <u>9/9/09</u>	Result: <u>&lt;0.010</u>	RDL: <u>0.010</u>	<RDL: <u>YES</u>
CCB: <u>↓</u>	Result: <u>&lt;0.010</u>	RDL: <u>↓</u>	<RDL: <u>YES</u>
CCB: <u>↓</u>	Result: <u>&lt;0.010</u>	RDL: <u>↓</u>	<RDL: <u>YES</u>
CCB: <u>↓</u>	Result: <u>&lt;0.010</u>	RDL: <u>↓</u>	<RDL: <u>YES</u>
CCB: <u>↓</u>	Result: <u>&lt;0.010</u>	RDL: <u>↓</u>	<RDL: <u>YES</u>
CCB: <u>↓</u>	Result: <u>&lt;0.010</u>	RDL: <u>↓</u>	<RDL: <u>YES</u>

**Reagent Reference Numbers:**

SEE ATTACHED.

**Initial Calibration Source:**

**Continuing Calibration Source:**

Analyst: MW/RA Date: 9/9/09

Comments: \_\_\_\_\_

PAGE 1



Test: Hexavalent Chromium  
 Product: XCr  
 Method: SW846 7196A (NJDEP mod)

MDL = 0.002 mg/l  
 RDL = 0.010 mg/l

GNBatch ID: GN30041  
 Date: 9/9/09

**Digestion Batch QC Summary** Units = mg/l

Method Blank ID: Mb1 Date: \_\_\_\_\_ Result: \_\_\_\_\_ RDL: \_\_\_\_\_ <RDL: \_\_\_\_\_  
 Spike Blank ID: b1 Date: \_\_\_\_\_ Result: \_\_\_\_\_ Spike: \_\_\_\_\_ %Rec.: \_\_\_\_\_  
 Duplicate ID: D2 Samp. Result: 0.002 Dup. Result: 0.002 %RPD: 0.0%  
 MS ID: S2 Samp. Result: 0.002 MS Result: 0.002 Spike: 0.150 %Rec.: 0.0%  
 Diluted Sample ID: JA27477-3 Samp. Result: 0.002 Dil. Result: 0.002 %RPD: 0.0%  
 pH adj. PS ID: ↓ Samp. Result: 0.002 MS Result: 0.132 Spike: 0.150 %Rec.: 88.00%

**Analysis Batch QC Summary** Units = mg/l

CCV: 9/9/09 Result: 0.506 TV: 0.500 %Rec.: 101%  
 CCV: ↓ Result: 0.505 TV: ↓ %Rec.: 101%  
 CCV: ↓ Result: 0.505 TV: ↓ %Rec.: 101%  
 CCV: ↓ Result: 0.505 TV: ↓ %Rec.: 101%  
 CCV: ↓ Result: 0.505 TV: ↓ %Rec.: 101%  
 CCV: \_\_\_\_\_ Result: \_\_\_\_\_ TV: \_\_\_\_\_ %Rec.: \_\_\_\_\_

CCB: 9/9/09 Result: <0.010 RDL: 0.010 <RDL: YES  
 CCB: ↓ Result: <0.010 RDL: ↓ <RDL: YES  
 CCB: ↓ Result: <0.010 RDL: ↓ <RDL: YES  
 CCB: ↓ Result: <0.010 RDL: ↓ <RDL: YES  
 CCB: ↓ Result: <0.010 RDL: ↓ <RDL: YES  
 CCB: \_\_\_\_\_ Result: \_\_\_\_\_ RDL: \_\_\_\_\_ <RDL: \_\_\_\_\_

Reagent Reference Numbers: SEE ATTACHED

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Initial Calibration Source: \_\_\_\_\_

Continuing Calibration Source: \_\_\_\_\_

Analyst: NJ/RA Date: 9/9/09

Comments: \_\_\_\_\_

*PAGE 2*



Test: Hexavalent Chromium  
 Product: XCr  
 Method: SW846 7196A (NJDEP mod)

MDL = 0.002 mg/l  
 RDL = 0.010 mg/l

GNBatch ID: GN30041  
 Date: 9/9/09

**Digestion Batch QC Summary** Units = mg/l

Method Blank ID: MBL Date: 9/9/09 Result: < 0.01 RDL: 0.01 <RDL: Yes  
 Spike Blank ID: BL Date: ↓ Result: 0.151 Spike: 0.150 %Rec.: 100.7%  
 Duplicate ID: JD3 Samp. Result: 0.002 Dup. Result: 0.002 %RPD: 0.0%  
 MS ID: S3 Samp. Result: 0.002 MS Result: 0.153 Spike: 0.150 %Rec.: 102.0%  
 Diluted Sample ID: \_\_\_\_\_ Samp. Result: \_\_\_\_\_ Dil. Result: \_\_\_\_\_ %RPD: \_\_\_\_\_  
 pH adj. PS ID: \_\_\_\_\_ Samp. Result: \_\_\_\_\_ MS Result: \_\_\_\_\_ Spike: \_\_\_\_\_ %Rec: \_\_\_\_\_

**Analysis Batch QC Summary** Units = mg/l

CCV: \_\_\_\_\_ Result: \_\_\_\_\_ TV: \_\_\_\_\_ %Rec.: \_\_\_\_\_  
 CCV: \_\_\_\_\_ Result: \_\_\_\_\_ TV: \_\_\_\_\_ %Rec.: \_\_\_\_\_  
 CCV: \_\_\_\_\_ Result: \_\_\_\_\_ TV: \_\_\_\_\_ %Rec.: \_\_\_\_\_  
 CCV: \_\_\_\_\_ Result: \_\_\_\_\_ TV: \_\_\_\_\_ %Rec.: \_\_\_\_\_  
 CCV: \_\_\_\_\_ Result: \_\_\_\_\_ TV: \_\_\_\_\_ %Rec.: \_\_\_\_\_  
 CCV: \_\_\_\_\_ Result: \_\_\_\_\_ TV: \_\_\_\_\_ %Rec.: \_\_\_\_\_  
 CCB: \_\_\_\_\_ Result: \_\_\_\_\_ RDL: \_\_\_\_\_ <RDL: \_\_\_\_\_  
 CCB: \_\_\_\_\_ Result: \_\_\_\_\_ RDL: \_\_\_\_\_ <RDL: \_\_\_\_\_  
 CCB: \_\_\_\_\_ Result: \_\_\_\_\_ RDL: \_\_\_\_\_ <RDL: \_\_\_\_\_  
 CCB: \_\_\_\_\_ Result: \_\_\_\_\_ RDL: \_\_\_\_\_ <RDL: \_\_\_\_\_  
 CCB: \_\_\_\_\_ Result: \_\_\_\_\_ RDL: \_\_\_\_\_ <RDL: \_\_\_\_\_  
 CCB: \_\_\_\_\_ Result: \_\_\_\_\_ RDL: \_\_\_\_\_ <RDL: \_\_\_\_\_

**Reagent Reference Numbers:**  
SEE ATTACHED

**Initial Calibration Source:**  
 \_\_\_\_\_

**Continuing Calibration Source:**  
 \_\_\_\_\_

Analyst: MW/RA Date: 9/9/09  
 Comments: \_\_\_\_\_

PAGE 3



**ACCUTEST.**

Test: Hexavalent Chromium  
Product: XCr  
Method: SW846 7196A (NJDEP mod)

MDL = 0.002 mg/l  
RDL = 0.010 mg/l

GNBatch ID: LN30041  
Date: 9/9/09

**Digestion Batch QC Summary**

Units = mg/l

Method Blank ID: M02 Date: 9/9/09 Result: \_\_\_\_\_ RDL: \_\_\_\_\_ <RDL: \_\_\_\_\_  
Spike Blank ID: B2 Date: ↓ Result: \_\_\_\_\_ Spike: \_\_\_\_\_ %Rec.: \_\_\_\_\_  
Duplicate ID: D4 Samp. Result: 0.011 Dup. Result: 0.010 %RPD: 9.52%  
MS ID: S4 Samp. Result: 0.011 MS Result: 0.003 Spike: 0.150 %Rec.: \_\_\_\_\_  
Diluted Sample ID: JA27481-3 Samp. Result: 0.011 Dil. Result: ~~0.020~~ 0.007 %RPD: 58.06%  
pH adj. PS ID: ↓ Samp. Result: 0.011 MS Result: 0.006 Spike: 0.150 %Rec.: \_\_\_\_\_

**Analysis Batch QC Summary**

Units = mg/l

CCV: \_\_\_\_\_ Result: \_\_\_\_\_ TV: \_\_\_\_\_ %Rec.: \_\_\_\_\_  
CCV: \_\_\_\_\_ Result: \_\_\_\_\_ TV: \_\_\_\_\_ %Rec.: \_\_\_\_\_  
CCV: \_\_\_\_\_ Result: \_\_\_\_\_ TV: \_\_\_\_\_ %Rec.: \_\_\_\_\_  
CCV: \_\_\_\_\_ Result: \_\_\_\_\_ TV: \_\_\_\_\_ %Rec.: \_\_\_\_\_  
CCV: \_\_\_\_\_ Result: \_\_\_\_\_ TV: \_\_\_\_\_ %Rec.: \_\_\_\_\_  
CCV: \_\_\_\_\_ Result: \_\_\_\_\_ TV: \_\_\_\_\_ %Rec.: \_\_\_\_\_

*See attached*

CCB: \_\_\_\_\_ Result: \_\_\_\_\_ RDL: \_\_\_\_\_ <RDL: \_\_\_\_\_  
CCB: \_\_\_\_\_ Result: \_\_\_\_\_ RDL: \_\_\_\_\_ <RDL: \_\_\_\_\_  
CCB: \_\_\_\_\_ Result: \_\_\_\_\_ RDL: \_\_\_\_\_ <RDL: \_\_\_\_\_  
CCB: \_\_\_\_\_ Result: \_\_\_\_\_ RDL: \_\_\_\_\_ <RDL: \_\_\_\_\_  
CCB: \_\_\_\_\_ Result: \_\_\_\_\_ RDL: \_\_\_\_\_ <RDL: \_\_\_\_\_  
CCB: \_\_\_\_\_ Result: \_\_\_\_\_ RDL: \_\_\_\_\_ <RDL: \_\_\_\_\_

**Reagent Reference Numbers:**

**Initial Calibration Source:**

**Continuing Calibration Source:**

Analyst: MJ / RA Date: 9/9/09

Comments: \_\_\_\_\_



Test: **Hexavalent Chromium**  
 Product: **XCr**  
 Method: **SW846 7196A (NJDEP mod)**

MDL = 0.002 mg/l  
 RDL = 0.010 mg/l

GNBatch ID: GN30041  
 Date: 9/9/09

**Digestion Batch QC Summary**

Units = mg/l

Method Blank ID: MB2 Date: 9/9/09 Result: \_\_\_\_\_ RDL: \_\_\_\_\_ <RDL: \_\_\_\_\_  
 Spike Blank ID: B2 Date: ↓ Result: \_\_\_\_\_ Spike: \_\_\_\_\_ %Rec.: \_\_\_\_\_  
 Duplicate ID: DS Samp. Result: 0.002 Dup. Result: 0.002 %RPD: 0.0%  
 MS ID: SS Samp. Result: 0.002 MS Result: 0.002 Spike: 0.150 %Rec.: 0.0%  
 Diluted Sample ID: JA27481-3F Samp. Result: 0.002 Dil. Result: 0.002 %RPD: 0.0%  
 pH adj. PS ID: ↓ Samp. Result: 0.002 MS Result: 0.007 Spike: 0.150 %Rec.: 4.67%

**Analysis Batch QC Summary**

Units = mg/l

CCV: \_\_\_\_\_ Result: \_\_\_\_\_ TV: \_\_\_\_\_ %Rec.: \_\_\_\_\_  
 CCV: \_\_\_\_\_ Result: \_\_\_\_\_ TV: \_\_\_\_\_ %Rec.: \_\_\_\_\_  
 CCV: \_\_\_\_\_ Result: \_\_\_\_\_ TV: \_\_\_\_\_ %Rec.: \_\_\_\_\_  
 CCV: \_\_\_\_\_ Result: \_\_\_\_\_ TV: \_\_\_\_\_ %Rec.: \_\_\_\_\_  
 CCV: \_\_\_\_\_ Result: \_\_\_\_\_ TV: \_\_\_\_\_ %Rec.: \_\_\_\_\_  
 CCV: \_\_\_\_\_ Result: \_\_\_\_\_ TV: \_\_\_\_\_ %Rec.: \_\_\_\_\_  
 See attached  
 CCB: \_\_\_\_\_ Result: \_\_\_\_\_ RDL: \_\_\_\_\_ <RDL: \_\_\_\_\_  
 CCB: \_\_\_\_\_ Result: \_\_\_\_\_ RDL: \_\_\_\_\_ <RDL: \_\_\_\_\_  
 CCB: \_\_\_\_\_ Result: \_\_\_\_\_ RDL: \_\_\_\_\_ <RDL: \_\_\_\_\_  
 CCB: \_\_\_\_\_ Result: \_\_\_\_\_ RDL: \_\_\_\_\_ <RDL: \_\_\_\_\_  
 CCB: \_\_\_\_\_ Result: \_\_\_\_\_ RDL: \_\_\_\_\_ <RDL: \_\_\_\_\_  
 CCB: \_\_\_\_\_ Result: \_\_\_\_\_ RDL: \_\_\_\_\_ <RDL: \_\_\_\_\_

**Reagent Reference Numbers:**

See attached

**Initial Calibration Source:**

**Continuing Calibration Source:**

Analyst: MW/RA Date: 9/9/09

Comments: \_\_\_\_\_



Test: Hexavalent Chromium  
 Product: XCr  
 Method: SW846 7196A (NJDEP mod)

MDL = 0.002 mg/l  
 RDL = 0.010 mg/l

GNBatch ID: 6730041  
 Date: 9/9/09

**Digestion Batch QC Summary** Units = mg/l

Method Blank ID: MB7 Date: 9/9/09 Result: \_\_\_\_\_ RDL: \_\_\_\_\_ <RDL: \_\_\_\_\_  
 Spike Blank ID: B2 Date: ↓ Result: \_\_\_\_\_ Spike: \_\_\_\_\_ %Rec.: \_\_\_\_\_  
 Duplicate ID: D6 Samp. Result: 2.968 Dup. Result: 3.073 %RPD: 3.47%  
 MS ID: S6 Samp. Result: 2.968 MS Result: 9.268 Spike: 6.0 %Rec.: 105.0%  
 Diluted Sample ID: \_\_\_\_\_ Samp. Result: \_\_\_\_\_ Dil. Result: \_\_\_\_\_ %RPD: \_\_\_\_\_  
 pH adj. PS ID: \_\_\_\_\_ Samp. Result: \_\_\_\_\_ MS Result: \_\_\_\_\_ Spike: \_\_\_\_\_ %Rec.: \_\_\_\_\_

**Analysis Batch QC Summary** Units = mg/l

CCV: \_\_\_\_\_ Result: \_\_\_\_\_ TV: \_\_\_\_\_ %Rec.: \_\_\_\_\_  
 CCV: \_\_\_\_\_ Result: \_\_\_\_\_ TV: \_\_\_\_\_ %Rec.: \_\_\_\_\_  
 CCV: \_\_\_\_\_ Result: \_\_\_\_\_ TV: \_\_\_\_\_ %Rec.: \_\_\_\_\_  
 CCV: \_\_\_\_\_ Result: \_\_\_\_\_ TV: \_\_\_\_\_ %Rec.: \_\_\_\_\_  
 CCV: \_\_\_\_\_ Result: \_\_\_\_\_ TV: \_\_\_\_\_ %Rec.: \_\_\_\_\_  
 CCV: \_\_\_\_\_ Result: \_\_\_\_\_ TV: \_\_\_\_\_ %Rec.: \_\_\_\_\_  
 CCB: see attached Result: \_\_\_\_\_ RDL: \_\_\_\_\_ <RDL: \_\_\_\_\_  
 CCB: \_\_\_\_\_ Result: \_\_\_\_\_ RDL: \_\_\_\_\_ <RDL: \_\_\_\_\_  
 CCB: \_\_\_\_\_ Result: \_\_\_\_\_ RDL: \_\_\_\_\_ <RDL: \_\_\_\_\_  
 CCB: \_\_\_\_\_ Result: \_\_\_\_\_ RDL: \_\_\_\_\_ <RDL: \_\_\_\_\_  
 CCB: \_\_\_\_\_ Result: \_\_\_\_\_ RDL: \_\_\_\_\_ <RDL: \_\_\_\_\_  
 CCB: \_\_\_\_\_ Result: \_\_\_\_\_ RDL: \_\_\_\_\_ <RDL: \_\_\_\_\_

**Reagent Reference Numbers:**

see attached

**Initial Calibration Source:**

**Continuing Calibration Source:**

Analyst: MW/ RA Date: 9/9/09

Comments: \_\_\_\_\_

Pg 6

# Hexavalent Chromium pH Adjustment Log

Method: SW846 7196A (NJDEP mod)

pH adj. start time: 2026 + 2115 pH Adjust. Date: 9/9/09  
 pH adj. end time: 2035 2125 GN Batch ID: 30041

Sample ID	Initial Sample Volume (ml)	Final Volume (ml)	pH after H2SO4	bkg pH after H2SO4	Spike Info	Comments
CCV	45	50	2.09			incl of 2 ppm ultra
CCV						
CCV						
CCV						
CCB	45	50	2.02			
CCB						
CCB						
CCB						
MS JA27477-3F	45	50	2.03	2.19		incl of 7.5 ppm Absolute
DUP JA27477-3F			2.15	2.19		
SB			2.09	2.02		incl of 7.5 ppm Absolute
PB			2.08	2.01		
1. JA27477-1F			2.16	2.13		
2. 2F			2.11	2.05		
3. 3F			2.19	2.19		
4. 4F			2.13	2.15		
5. 5F			2.16	2.13		
6. 6F			2.06	2.16		
7. 7F			2.16	2.08		
8. JA27477-3F			2.12	2.09		1:5
9. JA27477-3F PH Adj			2.01	2.19		incl of 7.5 ppm 1M NaOH 8:40
+ 10. JA27477-1	45	50	2.02	2.19		
+ 11. 2			2.01	2.05		
+ 12. 3			1.99	2.09		
+ 13. 4			2.03	2.10		
+ 14. 5			2.04	1.98		
+ 15. 6			1.92	1.96		
+ 16. 7			2.10	1.97		
+ 17. 8			2.14	1.99		
+ 18. D2 JA27477-3			2.14	2.10		
+ 19. S2 JA27477-3			2.13	2.14		incl of 7.5 ppm Absolute
+ 20. JA27477-3			2.19	2.02		1:5
+ PSPH JA27477-3			2.14	2.10		1M NaOH incl of 7.5 ppm Absolute
DIL						
DIL						

Reagent Information: SEE ATTACHED

Analyst: MD/PA Date: 9/9/09 QC Reviewer: \_\_\_\_\_ Date: \_\_\_\_\_

Form: GN-077  
Rev. Date: 2/11/99



# Hexavalent Chromium pH Adjustment Log

Method: SW846 7196A (NJDEP mod)

pH adj. start time: \_\_\_\_\_

2130  
2:55 <sup>9/9/09</sup>

pH Adjust. Date: 9/9/09

pH adj. end time: \_\_\_\_\_

2:00

GN Batch ID: 6430041

Sample ID	Initial Sample Volume (ml)	Final Volume (ml)	pH after H2SO4	bkg pH after H2SO4	Spike Info	Comments
CCV	45	50	1.99			
CCV						
CCV						
CCV						
CCB	45	50	2.02			
CCB						
CCB						
CCB						
MS JA27481-3	45	50	1.99	2.00	1ml of 7.5ppm Absolute	
DUP JA27481-3			1.98	2.00		
SB(2)						
PB(2)						
1. JA27481-1			2.00			
2.	2		2.14			Filtered
3.	3		1.98	2.00		
4.	4		1.96	2.01		↓
5.	5		1.95	2.00		
6.	6		1.99	2.00		
7.	7		1.99	2.14		
8. SS JA27481-3F			1.95	2.00	1ml of 7.5ppm Absolute	
9. JA27481-1F			1.99	2.02		
10.	2F		2.01	2.14		
11.	3F		2.14	2.05		Filtered
12.	4F		1.92	2.12		↓
13.	5F		1.90	2.14		↓
14.	6F		1.97	2.13		
15. JA27481-3F			2.11	2.15		1:5 W 8.12 Filtered
16. JA27481-3FPH			2.10	2.09	1ml of 7.5ppm Absolute	Filtered
17. (D) JA27481-3F			2.14	2.08		
18. JA27481-3conf			2.13	1.99		1:5 8.24 Filter
19. JA27481-3PHconf			2.12	1.95	1ml of 7.5ppm Absolute	↓
20.						
PS						
DIL						
DIL						

Reagent Information:

SEE ATTACHED

Analyst: MW/RA Date: 9/9/09 QC Reviewer: \_\_\_\_\_ Date: \_\_\_\_\_

Form: GN-077  
Rev. Date: 2/11/99

# Hexavalent Chromium pH Adjustment Log

Method: SW846 7196A (NJDEP mod)

pH adj. start time: \_\_\_\_\_

9/19/09 2:30  
~~2:45~~ 2:00

pH Adjust. Date: 9/19/09

pH adj. end time: \_\_\_\_\_

GN Batch ID: GM30041

Sample ID	Initial Sample Volume (ml)	Final Volume (ml)	pH after H2SO4	bkg pH after H2SO4	Spike Info	Comments
CCV	45	50	2.10			
CCV						
CCV						
CCV						
CCB	45	50	2.14			
CCB						
CCB						
CCB						
3 MS JA27499-1F	45	50	1.94	2.05	1ml of 7.5ppm Absolute	
3 DUP JA27499-1F			2.08	1.94		
SB (2)			2.10	1.93	1ml of 7.5pp Absolute	
PB (2)			2.15	2.02		
1. JA27499-1F			1.94	2.05		
2. 2F			2.02	2.13		
3. 3F			2.05	1.99		
4. 4F			2.12	2.00		
5.						
6.						
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						
16.						
17.						
18.						
19.						
20.						
PS						
DIL						
DIL						

Reagent Information: SEE ATTACHED.

Analyst: MJD / RA Date: 9/19/09 QC Reviewer: \_\_\_\_\_ Date: \_\_\_\_\_

Form: GN-077  
Rev. Date: 2/11/99

**Hexavalent Chromium pH Adjustment Log**

Method: SW846 7196A (NJDEP mod)

pH adj. start time: 2220 \_\_\_\_\_  
 pH adj. end time: 2225 \_\_\_\_\_

pH Adjust. Date: 9/9/09  
 GN Batch ID: GN30041

Sample ID	Initial Sample Volume (ml)	Final Volume (ml)	pH after H2SO4	bkg pH after H2SO4	Spike Info	Comments
CCV	45	50	1.99			
CCV						
CCV						
CCV						
CCB	45	50	2.02			
CCB						
CCB						
CCB						
MS JA27503-1	45	50	2.01	1.92		1:25 1.60nd of 7.5 ppm
DUP JA27503-1	↓	↓	2.20	1.97		1:25
SB(2)	↓	↓	2.19			
PB(2)	↓	↓				
1. JA27503-1	↓	↓	1.99	OUR		
2. ↓			2.02	1.93		1:25
3.						
4.						
5.						
6.						
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						
16.						
17.						
18.						
19.						
20.						
PS						
DIL						
DIL						

Reagent Information: SEE ATTACHED.

Analyst: MP/PA Date: 9/9/09 QC Reviewer: \_\_\_\_\_ Date: \_\_\_\_\_

Form: GN-077  
 Rev. Date: 2/11/99



**ACCUTEST**

GN30041

**Reagent Information Log - XCR - Water (7196a)**

**Reagent**

XP

**Reagent # or Manufacturer/Lot**

Calibration Source: Hexavalent Chromium,  
1000 mg/L Stock

5/26/12

ABSOLUTE GRADE LOT# 052609

Calibration Checks: Hexavalent Chromium,  
1000 mg/L Stock

7/31/15

ULTRA SCI LOT# J200509

External Check

N/A

N/A

Spiking Solution Source

5/26/12

ABSOLUTE GRADE LOT# 052609

Diphenylcarbazide Solution

10/9/09

SNEQ-22911-XCR

Sulfuric Acid, 10%

3/2/10

SNEQ-22876-XCR

All standards and stocks were made as described in the SOP for this method (circle one): Y or N  
If no (N), see attached page for standards prep.

Form: GN-087 1-23

Rev. Date: 2/16/99



Misc. Raw Data

Raw Data

# Filtration



Aqueous Digestion Log MP Batch ID: \_\_\_\_\_

ICP DIGESTION METHOD: SW846 3010A

Heating Method (circle one): Digestion Block / Hot Plates

Method Blank ID: _____		Prep Date: 9/10/09
Lab Control/Spike Blank ID: _____	Start Time: _____	Start Temp: _____ Thermometer ID #: _____
Lab Control Source: _____	End Time: _____ End Temp: _____	
DUP 1 Sample ID: _____	Acceptable temperature Ranges: EPA 200.7                      90 to 95 deg. C SW846 3010A, 3020A, 3050B      90 to 95 deg. C	
DUP 2 Sample ID: _____		
MS 1 Sample ID: _____		
MS 2 Sample ID: _____		

Note: Serial dilution shown for QC tracking only. Not a separate digestate.

Sample ID	Pres Y/N	Initial Sample Volume	Final Volume in ML	Acids Used		Spikes Used		Comments
				Amount and Name	Added - Y or N	Amount and Name	Added - Y or N	
<del>MP -MB</del>	<del>N</del>			3.0 ml conc. HNO <sub>3</sub>				
<del>MP -LC</del>	<del>N</del>			5.0 ml 1:1 HCL				
<del>MP -S</del>	<del>N</del>					0.50 ml SP, 0.50 ml MIN1		
<del>MP -S</del>	<del>N</del>					0.50 ml SP, 0.50 ml MIN1		
<del>MP -SD</del>	<del>N</del>							
1 JAZ7444-1F								
2     ↓     -2F								
3     ↓     -3F								
4 JAZ7416-9F	↓							
5 JAZ7444-FB								
6 JAZ7416-FB								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

2ml Con. HNO<sub>3</sub> Lot:- H114024

Exp :- 8/11 J.T. Baker

Filters Lot no:- F8DN 71229B

Exp :- 04/2010 Fisher

RP 9/10/09

Analyst: R.A. Fedel 9/10/09      QC Reviewer: \_\_\_\_\_

Form AA-018A (3010A)  
Rev. Date: 01/12/09

9.1  
9

# Filtration



Aqueous Digestion Log MP Batch ID: \_\_\_\_\_  
 CP DIGESTION METHOD: SW846 3010A

Heating Method (circle one): Digestion Block / Hot Plates

Method Blank ID: _____		Prep Date: 9/10/09	
Lab Control/Spike Blank ID: _____	Start Time: _____	Start Temp: _____	Thermometer ID #: _____
Lab Control Source: _____	End Time: _____ End Temp: _____		
DUP 1 Sample ID: _____	Acceptable temperature Ranges: EPA 200.7 90 to 95 deg. C SW846 3010A, 3020A, 3050B 90 to 95 deg. C		
DUP 2 Sample ID: _____			
MS 1 Sample ID: _____			
MS 2 Sample ID: _____			

Note: Serial dilution shown for QC tracking only. Not a separate digestate.

Sample ID	Pres Y/N	Initial Sample Volume	Final Volume in ML	Acids Used		Spikes Used		Comments
				Amount and Name	Added Y or N	Amount and Name	Added Y or N	
MP -MB	N			3.0 ml conc. HNO3				
MP -LC				5.0 ml 1:1 HCL				
MP -S						0.50 ml SP, 0.50 ml MIN1		
MP -S						0.50 ml SP, 0.50 ml MIN1		
MP -SD								
1 JA 27481 - 1F				2ml Con. HNO3 Lot: - H114024 Exp :- 8/11 J.T. Baker				
2 - 2F								
3 - 3F								
4 - 4F								
5 - 5F								
6 - 6F								
7 JA 27477 - 1F				Filters Lot no: - F8DN 71229B Exp :- 04/2010 Fisher				
8 - 2F								
9 - 3F								
10 - 4F								
11 - 5F								
12 - 6F								
13 - 7F								
14 JA 27481 - FB								
15 JA 27477 - FB								
16								
17								
18								
19								
20								

Analyst: *Patricia Daniels* 9/10/09 QC Reviewer: \_\_\_\_\_

Form AA-018A (3010A)  
 Rev. Date: 01/12/09



# Filtration

Aqueous Digestion Log MP Batch ID: \_\_\_\_\_

ICP DIGESTION METHOD: SW846 3010A

Heating Method (circle one): Digestion Block / Hot Plates

Method Blank ID:	Prep Date: 9/10/09
Lab Control/Spike Blank ID:	Start Time: _____ Start Temp: _____ Thermometer ID #: _____
Lab Control Source:	End Time: _____ End Temp: _____
DUP 1 Sample ID:	Acceptable temperature Ranges: EPA 200.7 90 to 95 deg. C SW846 3010A, 3020A, 3050B 90 to 95 deg. C
DUP 2 Sample ID:	
MS 1 Sample ID:	
MS 2 Sample ID:	

Note: Serial dilution shown for QC tracking only. Not a separate digestate.

Sample ID	Pres Y/N	Initial Sample Volume	Final Volume in ML	Acids Used		Spikes Used		Comments
				Amount and Name	Added - Y or N	Amount and Name	Added - Y or N	
MP -MB	N			3.0 ml conc. HNO3				
MP -LC	Y			5.0 ml 1:1 HCL				
MP -S						0.50 ml SP, 0.50 ml MIN1		
MP -S						0.50 ml SP, 0.50 ml MIN1		
MP -SD								
1 T36455-1C								
2 -2C								
3 -3C								
4 JA27416-9F								
5 JA27416-FB								
6 T36455-FB	Y							
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

2ml Con. HNO3 Lot:- H14024  
Exp :- 8/11 J.T. Baker

Filters Lot no:- F8DN 71229B  
Exp :- 04/2010 Fisher

RP 9/10/09

Analyst: R.A. Fabel 9/11/09 QC Reviewer:

Form AA-018A (3010A)  
Rev. Date: 01/12/09



# Filtration



Aqueous Digestion Log MP Batch ID: \_\_\_\_\_  
 ICP DIGESTION METHOD: SW846 3010A  
 Heating Method (circle one): Digestion Block / Hot Plates

Method Blank ID:	Prep Date: 9/14/09
Lab Control/Spike Blank ID:	Start Time: _____ Start Temp: _____ Thermometer ID #: _____
Lab Control Source:	End Time: _____ End Temp: _____
DUP 1 Sample ID:	Acceptable temperature Ranges: EPA 200.7 90 to 95 deg. C SW846 3010A, 3020A, 3050B 90 to 95 deg. C
DUP 2 Sample ID:	
MS 1 Sample ID:	
MS 2 Sample ID:	

Note: Serial dilution shown for QC tracking only. Not a separate digestate.

Sample ID	Pres Y/N	Initial Sample Volume	Final Volume in ML	Acids Used		Spikes Used		Comments
				Amount and Name	Added - Y or N	Amount and Name	Added - Y or N	
MP -MB	N			3.0 ml conc. HNO <sub>3</sub>				
MP -LC				5.0 ml 1:1 HCL				
MP -S						0.50 ml SP, 0.50 ml MIN1		
MP -S						0.50 ml SP, 0.50 ml MIN1		
MP -SD								
1 JA 27818-1F				2ml Con. HNO <sub>3</sub> Lot:- H14024				
2 ↓ -4F								
3 JA 27824-4F				Exp :- 8/11 J.T. Baker				
4 ↓ -5F								
5 JA 27817-1F				Filters Lot no:- F8DN 71229B				
6 ↓ -5F								
7 JA 27740-2F				Exp :- 04/2010 Fixlen				
8 JA 27762-10F								
9 JA 27762-2F								
10 JA 27818-FB								
11 JA 27824-FB								
12 JA 27817-FB								
13 JA 27740-FB								
14 JA 27762-FB								
15								
16								
17								
18								
19								
20								

Analyst: *R. S. Nandi* 9/14/09 QC Reviewer: \_\_\_\_\_

Form AA-018A (3010A)  
 Rev. Date: 01/12/09

9.2  
9

PM 9/14/09

# Filtration



Aqueous Digestion Log MP Batch ID: \_\_\_\_\_  
 ICP DIGESTION METHOD: SW846 3010A  
 Heating Method (circle one): Digestion Block / Hot Plates

Method Blank ID:	Prep Date: 9/14/09
Lab Control/Spike Blank ID:	Start Time: _____ Start Temp: _____ Thermometer ID #: _____
Lab Control Source:	End Time: _____ End Temp: _____
DUP 1 Sample ID:	Acceptable temperature Ranges: EPA 200.7 90 to 95 deg. C SW846 3010A, 3020A, 3050B 90 to 95 deg. C
DUP 2 Sample ID:	
MS 1 Sample ID:	
MS 2 Sample ID:	

Note: Serial dilution shown for QC tracking only. Not a separate digestate.

Sample ID	Pres Y/N	Initial Sample Volume	Final Volume in ML	Acids Used		Spikes Used		Comments
				Amount and Name	Added - Y or N	Amount and Name	Added - Y or N	
MP -MB	N			3.0 ml conc. HNO <sub>3</sub>				
MP -LC				5.0 ml 1:1 HCL				
MP -S						0.50 ml SP, 0.50 ml MIN1		
MP -S						0.50 ml SP, 0.50 ml MIN1		
MP -SD								
1 JA 27477-3FD				2ml Con. HNO <sub>3</sub> Lot:- H14024 Exp :- 8/1/09 J.T. Baker Filters Lot no:- F8DN 71229B Exp :- 04/2010 Pylco				
2 JA 27718-1F								
3 JA 27825-1F								
4 -4F								
5 -5F								
6 -6F								
7 -7F								
8 -8F								
9 -10F								
10 JA 27762-13F								
11 JA 27818-6F	N							
12 JA 27477-FB								
13 JA 27718-FB								
14 JA 27825-FB								
15 JA 27762-FB								
16 JA 27818-FB								
17								
18								
19								
20								

Analyst: *[Signature]* 9/14/09 QC Reviewer: \_\_\_\_\_

Form AA-018A (3010A)  
 Rev. Date: 01/12/09

# Filtration



Aqueous Digestion Log MP Batch ID: \_\_\_\_\_  
 ICP DIGESTION METHOD: SW846 3010A  
 Heating Method (circle one): Digestion Block / Hot Plates

Method Blank ID:	Prep Date:
Lab Control/Spike Blank ID:	Start Time: _____ Start Temp: _____ Thermometer ID #: _____
Lab Control Source:	End Time: _____ End Temp: _____
DUP 1 Sample ID:	Acceptable temperature Ranges: EPA 200.7 90 to 95 deg. C SW846 3010A, 3020A, 3050B 90 to 95 deg. C
DUP 2 Sample ID:	
MS 1 Sample ID:	
MS 2 Sample ID:	

Note: Serial dilution shown for QC tracking only. Not a separate digestate.

Sample ID	Pres Y/N	Initial Sample Volume	Final Volume in ML	Acids Used		Spikes Used		Comments
				Amount and Name	Added - Y or N	Amount and Name	Added - Y or N	
MP -MB	N			3.0 ml conc. HNO <sub>3</sub>				
MP -LC				5.0 ml 1:1 HCL				
MP -S						0.50 ml SP, 0.50 ml MIN1		
MP -S						0.50 ml SP, 0.50 ml MIN1		
MP -SD								
1 JA 27762-11F				2ml Con. HNO <sub>3</sub> Lot:- H14024 Exp :- 8/11 J.T. Baker Filters Lot no:- F8DN 71229B Exp :- 04/2010 Rylee PM 9/14/09				
2 JA 27739-12F								
3 JA 27739-2F								
4 JA 27777-1F								
5 -4F								
6 -5F								
7 -6F								
8 -7F								
9 -8F								
10 JA 27762-FB								
11 JA 27739-FB								
12 JA 27777-FB								
13								
14								
15								
16								
17								
18								
19								
20								

Analyst: *Patricia Prandis* 9/14/09 QC Reviewer: \_\_\_\_\_

Form AA-018A (3010A)  
 Rev. Date: 01/12/09

**Groundwater Samples Collected October 2009 (Site 117 Shallow Wells)**



Technical Report for

Honeywell International Inc.

HLANJPR: SA-5 Site 117, Jersey City, NJ

PO#3480090010

Accutest Job Number: JA30201

Sampling Date: 10/12/09

Report to:

Mactec

vhlieu@mactec.com

ATTN: Vanthuy Lieu

Total number of pages in report: **247**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

*David N. Speis*  
David N. Speis  
VP Ops, Laboratory Director

Client Service contact: Marty Vitanza 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, PA, RI, SC, TN, VA, WV

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Test results relate only to samples analyzed.



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## Sample Summary

Honeywell International Inc.

Job No: JA30201

HLANJPR: SA-5 Site 117, Jersey City, NJ

Project No: PO#3480090010

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
JA30201-1	10/12/09	09:46 SD	10/12/09	AQ	Ground Water	117-MW-A014-101209
JA30201-1F	10/12/09	09:46 SD	10/12/09	AQ	Groundwater Filtered	117-MW-A014F-101209
JA30201-2	10/12/09	08:23 SD	10/12/09	AQ	Ground Water	117-MW-A89-101209
JA30201-2F	10/12/09	08:23 SD	10/12/09	AQ	Groundwater Filtered	117-MW-A89F-101209
JA30201-3	10/12/09	09:23 SD	10/12/09	AQ	Ground Water	117-MW-A05-101209
JA30201-3D	10/12/09	09:23 SD	10/12/09	AQ	Water Dup/MSD	117-MW-A05MD-101209
JA30201-3F	10/12/09	09:23 SD	10/12/09	AQ	Groundwater Filtered	117-MW-A05F-101209
JA30201-3FD	10/12/09	09:23 SD	10/12/09	AQ	Water Dup/MSD	117-MW-A05MDF-101209
JA30201-3FS	10/12/09	09:23 SD	10/12/09	AQ	Water Matrix Spike	117-MW-A05MSF-101209
JA30201-3S	10/12/09	09:23 SD	10/12/09	AQ	Water Matrix Spike	117-MW-A05MS-101209
JA30201-4	10/12/09	09:28 SD	10/12/09	AQ	Ground Water	117-MW-A05DP-101209
JA30201-4F	10/12/09	09:28 SD	10/12/09	AQ	Groundwater Filtered	117-MW-A05DPF-101209
JA30201-5	10/12/09	08:23 SD	10/12/09	AQ	Ground Water	117-MW-A85-101209



## Sample Summary

(continued)

Honeywell International Inc.

**Job No:** JA30201

HLANJPR: SA-5 Site 117, Jersey City, NJ

Project No: PO#3480090010

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
JA30201-5F	10/12/09	08:23 SD	10/12/09	AQ	Groundwater Filtered	117-MW-A85F-101209
JA30201-6	10/12/09	12:55 SD	10/12/09	AQ	Ground Water	117-MW-A062-101209
JA30201-6F	10/12/09	12:55 SD	10/12/09	AQ	Groundwater Filtered	117-MW-A062F-101209
JA30201-7	10/12/09	12:06 SD	10/12/09	AQ	Ground Water	117-MW-A99-101209
JA30201-7F	10/12/09	12:06 SD	10/12/09	AQ	Groundwater Filtered	117-MW-A99F-101209
JA30201-8	10/12/09	11:06 SD	10/12/09	AQ	Ground Water	117-MW-S4-101209
JA30201-8F	10/12/09	11:06 SD	10/12/09	AQ	Groundwater Filtered	117-MW-S4F-101209
JA30201-9	10/12/09	08:40 SD	10/12/09	AQ	Field Blank Water	117-MW-FB-101209



## CASE NARRATIVE / CONFORMANCE SUMMARY

**Client:** Honeywell International Inc.

**Job No** JA30201

**Site:** HLANJPR: SA-5 Site 117, Jersey City, NJ

**Report Date** 11/2/2009 11:29:14 AM

On 10/12/2009, 16 Sample(s), 0 Trip Blank(s) and 1 Field Blank(s) were received at Accutest Laboratories at a temperature of 2.5 C. Samples were intact and properly preserved, unless noted below. An Accutest Job Number of JA30201 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

### Metals By Method SW846 6010B

<b>Matrix</b> AQ	<b>Batch ID:</b> MP50217
------------------	--------------------------

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA30201-3FMS, JA30201-3FMSD, JA30201-3MS, JA30201-3MSD, JA30201-3SDL, JA30201-3FSDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Chromium are outside control limits for sample MP50217-SD2. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

### Wet Chemistry By Method SM20 5310B, 9060 M

<b>Matrix</b> AQ	<b>Batch ID:</b> GP51160
------------------	--------------------------

- All samples were prepared within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA30201-3DUP, JA30201-3MS were used as the QC samples for Total Organic Carbon.

### Wet Chemistry By Method SW846 7196A

<b>Matrix</b> AQ	<b>Batch ID:</b> GN31097
------------------	--------------------------

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA30201-3DUP, JA30201-3FDUP, JA30201-3MS, JA30201-3FMS were used as the QC samples for Chromium, Hexavalent.
- GN31097-S4 for Chromium, Hexavalent: Spike recovery indicates possible matrix interference. Good pH adjusted post spike recovery (98 %). Good agreement between the sample and 1:5 dilution.
- GN31097-S3 for Chromium, Hexavalent: Spike recovery indicates possible matrix interference. Good pH adjusted post spike recovery (101%). Good agreement between the sample and 1:5 dilution.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover



## Sample Results

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## Report of Analysis

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## Report of Analysis

31  
3

<b>Client Sample ID:</b> 117-MW-A014-101209	
<b>Lab Sample ID:</b> JA30201-1	<b>Date Sampled:</b> 10/12/09
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 10/12/09
	<b>Percent Solids:</b> n/a
<b>Project:</b> HLANJPR: SA-5 Site 117, Jersey City, NJ	

### Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Chromium	37.6	10	ug/l	1	10/26/09	10/27/09 ND	SW846 6010B <sup>1</sup>	SW846 3010A <sup>2</sup>

(1) Instrument QC Batch: MA23347

(2) Prep QC Batch: MP50217

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RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b> 117-MW-A014-101209	<b>Date Sampled:</b> 10/12/09
<b>Lab Sample ID:</b> JA30201-1	<b>Date Received:</b> 10/12/09
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Project:</b> HLANJPR: SA-5 Site 117, Jersey City, NJ	

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	0.028	0.010	mg/l	1	10/12/09 21:43	RA	SW846 7196A
Total Organic Carbon	2.9	1.0	mg/l	1	10/18/09 02:16	SJG	SM20 5310B, 9060 M

RL = Reporting Limit

## Report of Analysis

32  
3

<b>Client Sample ID:</b> 117-MW-A014F-101209	<b>Date Sampled:</b> 10/12/09
<b>Lab Sample ID:</b> JA30201-1F	<b>Date Received:</b> 10/12/09
<b>Matrix:</b> AQ - Groundwater Filtered	<b>Percent Solids:</b> n/a
<b>Project:</b> HLANJPR: SA-5 Site 117, Jersey City, NJ	

### Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Chromium	34.3	10	ug/l	1	10/26/09	10/27/09 ND	SW846 6010B <sup>1</sup>	SW846 3010A <sup>2</sup>

(1) Instrument QC Batch: MA23347

(2) Prep QC Batch: MP50217

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RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b>	117-MW-A014F-101209	<b>Date Sampled:</b>	10/12/09
<b>Lab Sample ID:</b>	JA30201-1F	<b>Date Received:</b>	10/12/09
<b>Matrix:</b>	AQ - Groundwater Filtered	<b>Percent Solids:</b>	n/a
<b>Project:</b>	HLANJPR: SA-5 Site 117, Jersey City, NJ		

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	0.027	0.010	mg/l	1	10/12/09 21:55	RA	SW846 7196A

RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b> 117-MW-A89-101209	<b>Date Sampled:</b> 10/12/09
<b>Lab Sample ID:</b> JA30201-2	<b>Date Received:</b> 10/12/09
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Project:</b> HLANJPR: SA-5 Site 117, Jersey City, NJ	

### Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Chromium	30.5	10	ug/l	1	10/26/09	10/27/09 ND	SW846 6010B <sup>1</sup>	SW846 3010A <sup>2</sup>

(1) Instrument QC Batch: MA23347

(2) Prep QC Batch: MP50217

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RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b> 117-MW-A89-101209	<b>Date Sampled:</b> 10/12/09
<b>Lab Sample ID:</b> JA30201-2	<b>Date Received:</b> 10/12/09
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Project:</b> HLANJPR: SA-5 Site 117, Jersey City, NJ	

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	10/12/09 21:43	RA	SW846 7196A
Total Organic Carbon	9.2	1.0	mg/l	1	10/18/09 02:32	SJG	SM20 5310B, 9060 M

RL = Reporting Limit



## Report of Analysis

<b>Client Sample ID:</b> 117-MW-A89F-101209	<b>Date Sampled:</b> 10/12/09
<b>Lab Sample ID:</b> JA30201-2F	<b>Date Received:</b> 10/12/09
<b>Matrix:</b> AQ - Groundwater Filtered	<b>Percent Solids:</b> n/a
<b>Project:</b> HLANJPR: SA-5 Site 117, Jersey City, NJ	

### Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Chromium	< 10	10	ug/l	1	10/26/09	10/27/09 ND	SW846 6010B <sup>1</sup>	SW846 3010A <sup>2</sup>

(1) Instrument QC Batch: MA23347

(2) Prep QC Batch: MP50217

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RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b>	117-MW-A89F-101209	<b>Date Sampled:</b>	10/12/09
<b>Lab Sample ID:</b>	JA30201-2F	<b>Date Received:</b>	10/12/09
<b>Matrix:</b>	AQ - Groundwater Filtered	<b>Percent Solids:</b>	n/a
<b>Project:</b>	HLANJPR: SA-5 Site 117, Jersey City, NJ		

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	10/12/09 21:55	RA	SW846 7196A

RL = Reporting Limit

## Report of Analysis

3.5  
3

<b>Client Sample ID:</b> 117-MW-A05-101209	<b>Date Sampled:</b> 10/12/09
<b>Lab Sample ID:</b> JA30201-3	<b>Date Received:</b> 10/12/09
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Project:</b> HLANJPR: SA-5 Site 117, Jersey City, NJ	

### Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Chromium	< 10	10	ug/l	1	10/26/09	10/26/09 ND	SW846 6010B <sup>1</sup>	SW846 3010A <sup>2</sup>

(1) Instrument QC Batch: MA23347

(2) Prep QC Batch: MP50217

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RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b> 117-MW-A05-101209	<b>Date Sampled:</b> 10/12/09
<b>Lab Sample ID:</b> JA30201-3	<b>Date Received:</b> 10/12/09
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Project:</b> HLANJPR: SA-5 Site 117, Jersey City, NJ	

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	10/12/09 21:43	RA	SW846 7196A
Total Organic Carbon	2.0	1.0	mg/l	1	10/18/09 02:01	SJG	SM20 5310B, 9060 M

RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b>	117-MW-A05F-101209	<b>Date Sampled:</b>	10/12/09
<b>Lab Sample ID:</b>	JA30201-3F	<b>Date Received:</b>	10/12/09
<b>Matrix:</b>	AQ - Groundwater Filtered	<b>Percent Solids:</b>	n/a
<b>Project:</b>	HLANJPR: SA-5 Site 117, Jersey City, NJ		

### Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Chromium	< 10	10	ug/l	1	10/26/09	10/27/09 ND	SW846 6010B <sup>1</sup>	SW846 3010A <sup>2</sup>

(1) Instrument QC Batch: MA23347

(2) Prep QC Batch: MP50217

RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b>	117-MW-A05F-101209	<b>Date Sampled:</b>	10/12/09
<b>Lab Sample ID:</b>	JA30201-3F	<b>Date Received:</b>	10/12/09
<b>Matrix:</b>	AQ - Groundwater Filtered	<b>Percent Solids:</b>	n/a
<b>Project:</b>	HLANJPR: SA-5 Site 117, Jersey City, NJ		

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	10/12/09 21:55	RA	SW846 7196A

RL = Reporting Limit

## Report of Analysis

37  
3

<b>Client Sample ID:</b> 117-MW-A05DP-101209	<b>Date Sampled:</b> 10/12/09
<b>Lab Sample ID:</b> JA30201-4	<b>Date Received:</b> 10/12/09
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Project:</b> HLANJPR: SA-5 Site 117, Jersey City, NJ	

### Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Chromium	< 10	10	ug/l	1	10/26/09	10/27/09 ND	SW846 6010B <sup>1</sup>	SW846 3010A <sup>2</sup>

(1) Instrument QC Batch: MA23347

(2) Prep QC Batch: MP50217

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RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b>	117-MW-A05DP-101209	
<b>Lab Sample ID:</b>	JA30201-4	<b>Date Sampled:</b> 10/12/09
<b>Matrix:</b>	AQ - Ground Water	<b>Date Received:</b> 10/12/09
<b>Project:</b>	HLANJPR: SA-5 Site 117, Jersey City, NJ	
		<b>Percent Solids:</b> n/a

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	10/12/09 21:43	RA	SW846 7196A
Total Organic Carbon	1.8	1.0	mg/l	1	10/18/09 02:47	SJG	SM20 5310B, 9060 M

RL = Reporting Limit



## Report of Analysis



<b>Client Sample ID:</b>	117-MW-A05DPF-101209	<b>Date Sampled:</b>	10/12/09
<b>Lab Sample ID:</b>	JA30201-4F	<b>Date Received:</b>	10/12/09
<b>Matrix:</b>	AQ - Groundwater Filtered	<b>Percent Solids:</b>	n/a
<b>Project:</b>	HLANJPR: SA-5 Site 117, Jersey City, NJ		

### Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Chromium	< 10	10	ug/l	1	10/26/09	10/27/09 ND	SW846 6010B <sup>1</sup>	SW846 3010A <sup>2</sup>

(1) Instrument QC Batch: MA23347

(2) Prep QC Batch: MP50217

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RL = Reporting Limit

## Report of Analysis



<b>Client Sample ID:</b>	117-MW-A05DPF-101209	<b>Date Sampled:</b>	10/12/09
<b>Lab Sample ID:</b>	JA30201-4F	<b>Date Received:</b>	10/12/09
<b>Matrix:</b>	AQ - Groundwater Filtered	<b>Percent Solids:</b>	n/a
<b>Project:</b>	HLANJPR: SA-5 Site 117, Jersey City, NJ		

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	10/12/09 21:55	RA	SW846 7196A

RL = Reporting Limit

## Report of Analysis

3.9  
3

<b>Client Sample ID:</b> 117-MW-A85-101209	<b>Date Sampled:</b> 10/12/09
<b>Lab Sample ID:</b> JA30201-5	<b>Date Received:</b> 10/12/09
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Project:</b> HLANJPR: SA-5 Site 117, Jersey City, NJ	

### Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Chromium	89.9	10	ug/l	1	10/26/09	10/27/09 ND	SW846 6010B <sup>1</sup>	SW846 3010A <sup>2</sup>

(1) Instrument QC Batch: MA23347

(2) Prep QC Batch: MP50217

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RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b>	117-MW-A85-101209	<b>Date Sampled:</b>	10/12/09
<b>Lab Sample ID:</b>	JA30201-5	<b>Date Received:</b>	10/12/09
<b>Matrix:</b>	AQ - Ground Water	<b>Percent Solids:</b>	n/a
<b>Project:</b>	HLANJPR: SA-5 Site 117, Jersey City, NJ		

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	10/12/09 21:43	RA	SW846 7196A
Total Organic Carbon	9.6	1.0	mg/l	1	10/18/09 03:02	SJG	SM20 5310B, 9060 M

RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b>	117-MW-A85F-101209	<b>Date Sampled:</b>	10/12/09
<b>Lab Sample ID:</b>	JA30201-5F	<b>Date Received:</b>	10/12/09
<b>Matrix:</b>	AQ - Groundwater Filtered	<b>Percent Solids:</b>	n/a
<b>Project:</b>	HLANJPR: SA-5 Site 117, Jersey City, NJ		

### Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Chromium	< 10	10	ug/l	1	10/26/09	10/27/09 ND	SW846 6010B <sup>1</sup>	SW846 3010A <sup>2</sup>

(1) Instrument QC Batch: MA23347

(2) Prep QC Batch: MP50217

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RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b> 117-MW-A85F-101209	<b>Date Sampled:</b> 10/12/09
<b>Lab Sample ID:</b> JA30201-5F	<b>Date Received:</b> 10/12/09
<b>Matrix:</b> AQ - Groundwater Filtered	<b>Percent Solids:</b> n/a
<b>Project:</b> HLANJPR: SA-5 Site 117, Jersey City, NJ	

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	10/12/09 21:55	RA	SW846 7196A

---

RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b>	117-MW-A062-101209	
<b>Lab Sample ID:</b>	JA30201-6	<b>Date Sampled:</b> 10/12/09
<b>Matrix:</b>	AQ - Ground Water	<b>Date Received:</b> 10/12/09
		<b>Percent Solids:</b> n/a
<b>Project:</b>	HLANJPR: SA-5 Site 117, Jersey City, NJ	

### Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Chromium	1570	10	ug/l	1	10/26/09	10/27/09 ND	SW846 6010B <sup>1</sup>	SW846 3010A <sup>2</sup>

(1) Instrument QC Batch: MA23347

(2) Prep QC Batch: MP50217

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RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b>	117-MW-A062-101209	<b>Date Sampled:</b>	10/12/09
<b>Lab Sample ID:</b>	JA30201-6	<b>Date Received:</b>	10/12/09
<b>Matrix:</b>	AQ - Ground Water	<b>Percent Solids:</b>	n/a
<b>Project:</b>	HLANJPR: SA-5 Site 117, Jersey City, NJ		

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	10/12/09 21:43	RA	SW846 7196A
Total Organic Carbon	13.6	1.0	mg/l	1	10/18/09 03:19	SJG	SM20 5310B, 9060 M

RL = Reporting Limit



## Report of Analysis

<b>Client Sample ID:</b> 117-MW-A062F-101209	<b>Date Sampled:</b> 10/12/09
<b>Lab Sample ID:</b> JA30201-6F	<b>Date Received:</b> 10/12/09
<b>Matrix:</b> AQ - Groundwater Filtered	<b>Percent Solids:</b> n/a
<b>Project:</b> HLANJPR: SA-5 Site 117, Jersey City, NJ	

### Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Chromium	55.1	10	ug/l	1	10/26/09	10/27/09 ND	SW846 6010B <sup>1</sup>	SW846 3010A <sup>2</sup>

(1) Instrument QC Batch: MA23347

(2) Prep QC Batch: MP50217

---

RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b>	117-MW-A062F-101209	<b>Date Sampled:</b>	10/12/09
<b>Lab Sample ID:</b>	JA30201-6F	<b>Date Received:</b>	10/12/09
<b>Matrix:</b>	AQ - Groundwater Filtered	<b>Percent Solids:</b>	n/a
<b>Project:</b>	HLANJPR: SA-5 Site 117, Jersey City, NJ		

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	10/12/09	RA	SW846 7196A

RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b>	117-MW-A99-101209		
<b>Lab Sample ID:</b>	JA30201-7	<b>Date Sampled:</b>	10/12/09
<b>Matrix:</b>	AQ - Ground Water	<b>Date Received:</b>	10/12/09
<b>Project:</b>	HLANJPR: SA-5 Site 117, Jersey City, NJ		
		<b>Percent Solids:</b>	n/a

### Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Chromium	10.9	10	ug/l	1	10/26/09	10/27/09 ND	SW846 6010B <sup>1</sup>	SW846 3010A <sup>2</sup>

(1) Instrument QC Batch: MA23347

(2) Prep QC Batch: MP50217

---

RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b>	117-MW-A99-101209	<b>Date Sampled:</b>	10/12/09
<b>Lab Sample ID:</b>	JA30201-7	<b>Date Received:</b>	10/12/09
<b>Matrix:</b>	AQ - Ground Water	<b>Percent Solids:</b>	n/a
<b>Project:</b>	HLANJPR: SA-5 Site 117, Jersey City, NJ		

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	10/12/09	RA	SW846 7196A
Total Organic Carbon	6.8	1.0	mg/l	1	10/18/09 04:07	SJG	SM20 5310B, 9060 M

RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b>	117-MW-A99F-101209	<b>Date Sampled:</b>	10/12/09
<b>Lab Sample ID:</b>	JA30201-7F	<b>Date Received:</b>	10/12/09
<b>Matrix:</b>	AQ - Groundwater Filtered	<b>Percent Solids:</b>	n/a
<b>Project:</b>	HLANJPR: SA-5 Site 117, Jersey City, NJ		

### Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Chromium	< 10	10	ug/l	1	10/26/09	10/27/09 ND	SW846 6010B <sup>1</sup>	SW846 3010A <sup>2</sup>

(1) Instrument QC Batch: MA23347

(2) Prep QC Batch: MP50217

RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b>	117-MW-A99F-101209	<b>Date Sampled:</b>	10/12/09
<b>Lab Sample ID:</b>	JA30201-7F	<b>Date Received:</b>	10/12/09
<b>Matrix:</b>	AQ - Groundwater Filtered	<b>Percent Solids:</b>	n/a
<b>Project:</b>	HLANJPR: SA-5 Site 117, Jersey City, NJ		

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	10/12/09	RA	SW846 7196A

---

RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b>	117-MW-S4-101209	<b>Date Sampled:</b>	10/12/09
<b>Lab Sample ID:</b>	JA30201-8	<b>Date Received:</b>	10/12/09
<b>Matrix:</b>	AQ - Ground Water	<b>Percent Solids:</b>	n/a
<b>Project:</b>	HLANJPR: SA-5 Site 117, Jersey City, NJ		

### Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Chromium	334000	100	ug/l	10	10/26/09	10/27/09 ND	SW846 6010B <sup>1</sup>	SW846 3010A <sup>2</sup>

(1) Instrument QC Batch: MA23347

(2) Prep QC Batch: MP50217

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RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b>	117-MW-S4-101209	<b>Date Sampled:</b>	10/12/09
<b>Lab Sample ID:</b>	JA30201-8	<b>Date Received:</b>	10/12/09
<b>Matrix:</b>	AQ - Ground Water	<b>Percent Solids:</b>	n/a
<b>Project:</b>	HLANJPR: SA-5 Site 117, Jersey City, NJ		

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	328	5.0	mg/l	500	10/12/09	RA	SW846 7196A
Total Organic Carbon	6.1	1.0	mg/l	1	10/18/09 04:22	SJG	SM20 5310B, 9060 M

RL = Reporting Limit



## Report of Analysis

<b>Client Sample ID:</b> 117-MW-S4F-101209	<b>Date Sampled:</b> 10/12/09
<b>Lab Sample ID:</b> JA30201-8F	<b>Date Received:</b> 10/12/09
<b>Matrix:</b> AQ - Groundwater Filtered	<b>Percent Solids:</b> n/a
<b>Project:</b> HLANJPR: SA-5 Site 117, Jersey City, NJ	

### Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Chromium	353000	100	ug/l	10	10/26/09	10/27/09 ND	SW846 6010B <sup>1</sup>	SW846 3010A <sup>2</sup>

(1) Instrument QC Batch: MA23347

(2) Prep QC Batch: MP50217

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RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b>	117-MW-S4F-101209	<b>Date Sampled:</b>	10/12/09
<b>Lab Sample ID:</b>	JA30201-8F	<b>Date Received:</b>	10/12/09
<b>Matrix:</b>	AQ - Groundwater Filtered	<b>Percent Solids:</b>	n/a
<b>Project:</b>	HLANJPR: SA-5 Site 117, Jersey City, NJ		

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	325	5.0	mg/l	500	10/12/09	RA	SW846 7196A

---

RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b>	117-MW-FB-101209	<b>Date Sampled:</b>	10/12/09
<b>Lab Sample ID:</b>	JA30201-9	<b>Date Received:</b>	10/12/09
<b>Matrix:</b>	AQ - Field Blank Water	<b>Percent Solids:</b>	n/a
<b>Project:</b>	HLANJPR: SA-5 Site 117, Jersey City, NJ		

### Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Chromium	< 10	10	ug/l	1	10/26/09	10/27/09 ND	SW846 6010B <sup>1</sup>	SW846 3010A <sup>2</sup>

(1) Instrument QC Batch: MA23347

(2) Prep QC Batch: MP50217

RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b>	117-MW-FB-101209	<b>Date Sampled:</b>	10/12/09
<b>Lab Sample ID:</b>	JA30201-9	<b>Date Received:</b>	10/12/09
<b>Matrix:</b>	AQ - Field Blank Water	<b>Percent Solids:</b>	n/a
<b>Project:</b>	HLANJPR: SA-5 Site 117, Jersey City, NJ		

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	10/12/09 21:55	RA	SW846 7196A
Total Organic Carbon	< 1.0	1.0	mg/l	1	10/18/09 04:39	SJG	SM20 5310B, 9060 M

RL = Reporting Limit



## Misc. Forms

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### Custody Documents and Other Forms

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Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

**ACCUTEST**  
 Fresh Ponds Corporate Village, Building B  
 2235 Route 130, Dayton, New Jersey 08810  
 732-329-0200 Phone, 732-329-3499 Fax

Client Contact: (name, co., address)  
**Andrew Shust - MACTEC Engineering and Consulting, Inc**  
 200 American Metro Blvd., Suite 113  
 Hamilton, NJ 08619  
 agshust@macotec.com

Hardcopy Report To: **See above**

Invoice To: **Maria Kaouris - Honeywell PM 101**  
**Columbia Rd. Morristown, NJ 07962**

**Honeywell Chain Of Custody / Analysis Request**

Site Name: **HUDSONCO**

Location of Site: **SA-5, Site 117, Jersey City, NJ**

FDD To: **Agshust (MACTEC)**

Sampler: **Senna/Daly**

PO #: **3480090010**

Analysis Turnaround Time: **Standard - 2 weeks - Y**

Rush Charges Authorized for: **1 week - Next Day -**

Preservative: **0 0 0 2**

Sample Date	Sample Time	Sample Type	Sample Matrix	Sample Purpose	# of Cont.	Units	Dissolved CHROMIUM VI (7196A)	Dissolved Total Chromium 200.7	EPA 7196 Hexavalent Chromium	EPA 200.7 Total Chromium	Total Organic Carbon 4151
10/12/2009	946	GW	Water	REG	3	grab	N		X	X	X
10/12/2009	946	GW	Water	REG	2	grab	N	X	X		
10/12/2009	823	GW	Water	REG	3	grab	N		X	X	X
10/12/2009	823	GW	Water	REG	2	grab	N	X	X		
10/12/2009	923	GW	Water	REG	3	grab	N		X	X	X
10/12/2009	923	GW	Water	REG	2	grab	N	X	X		
10/12/2009	928	GW	Water	FD	3	grab	N		X	X	X
10/12/2009	928	GW	Water	FD	2	grab	N	X	X		
10/12/2009	923	GW	Water	MS	3	grab	N		X	X	X
10/12/2009	923	GW	Water	MS	2	grab	N	X	X		
10/12/2009	923	GW	Water	MSD	3	grab	N		X	X	X
10/12/2009	923	GW	Water	MSD	2	grab	N	X	X		

Lab to filter dissolved chromium/chromium VI

AESE Ref: **38439.43925**

COC #: **37287-101209**

Lab Use Only

Lab Proj #

Lab ID: **ACTD**

PAGE 1 of 2

Job No.

What is in the Text File? Mouse over here.

Written and maintained by AESE (Ver 3.7) 07.01.05

Job Sample Numbers

WCI, ME17, ME7

**ALL SAMPLES RECEIVED PRESERVED AS APPLICABLE**

Relinquished by	Company	MACTEC	Received by	Company	Condition	Custody Seals Intact
<i>m h</i>	Date/Time	10/12/09 1420	<i>PO</i>	Date/Time	10/12/09 1420	Cooler Temp.
Relinquished by	Company		Received by	Company	Condition	Custody Seals Intact
	Date/Time			Date/Time		Cooler Temp.

Preservatives: 0 = None; [1 = HCL]; [2 = HNO3]; [3 = H2SO4]; [4 = NaOH]; [5 = Zn. Acetate]; [6 = MeOH]; [7 = NaHSO4]; 8 = Other (specify):

2A 2.5, 2.30C R

gw FB

<b>ACCUTEST</b> Fresh Ponds Corporate Village, Building B 2235 Route 130, Dayton, New Jersey 08810 732-329-0260 Phone, 732-329-3499 Fax		<b>Honeywell Chain Of Custody / Analysis Request</b>										<b>JA30201</b>										AES1 Ref: 38439-43925 COC #: 37287-101209																																																																																																																																																																																																									
Privileged & Confidential      Y		Site Name: HUDSONCO										Location of Site: SA-5, Site 117, Jersey City, NJ										Lab Use Only Lab Prej # Lab ID: ACTD																																																																																																																																																																																																									
EDD To: Agshust (MACTEC)		Sampler: Senna/Daly P O #: 3480090010										Preservative 0   0   0   2										PAGE 2 of 2 Job No.																																																																																																																																																																																																									
Client Contact: (name, co., address) Andrew Shust - MACTEC Engineering and Consulting, Inc 200 American Metro Blvd., Suite 113 Hamilton, NJ 08619 agshust@mactec.com		Analysis Turnaround Time: Standard - Y Rush Charges Authorized for - 2 weeks - 1 week - Next Day -										Dissolved CHROMIUM VI (7196A) Dissolved Total Chromium 200.7 EPA 7196 Hexavalent Chromium EPA 200.7 Total Chromium Total Organic Carbon 415.1										What is in the Text File? Mouse over here.																																																																																																																																																																																																									
Hardcopy Report To: See above		Invoice To: Maria Kaouris - Honeywell PM 101 Columbia Rd, Morristown, NJ 07962										Sample Identification										Written and maintained by AES1 (Ver 3.7) 02.01.05																																																																																																																																																																																																									
		<table border="1"> <thead> <tr> <th>Sample Date</th> <th>Sample Time</th> <th>Sample Type</th> <th>Sample Matrix</th> <th>Sample Purpose</th> <th># of Cont.</th> <th>Units</th> <th>mg/L</th> <th>mg/L</th> <th>mg/L</th> <th>mg/L</th> <th>mg/L</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>10/12/2009</td> <td>823</td> <td>GW</td> <td>Water</td> <td>REG</td> <td>3</td> <td>grab</td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>10/12/2009</td> <td>823</td> <td>GW</td> <td>Water</td> <td>REG</td> <td>2</td> <td>grab</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>10/12/2009</td> <td>1255</td> <td>GW</td> <td>Water</td> <td>REG</td> <td>3</td> <td>grab</td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>10/12/2009</td> <td>1255</td> <td>GW</td> <td>Water</td> <td>REG</td> <td>2</td> <td>grab</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>10/12/2009</td> <td>1206</td> <td>GW</td> <td>Water</td> <td>REG</td> <td>3</td> <td>grab</td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>10/12/2009</td> <td>1206</td> <td>GW</td> <td>Water</td> <td>REG</td> <td>2</td> <td>grab</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>10/12/2009</td> <td>1106</td> <td>GW</td> <td>Water</td> <td>REG</td> <td>3</td> <td>grab</td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>10/12/2009</td> <td>1106</td> <td>GW</td> <td>Water</td> <td>REG</td> <td>2</td> <td>grab</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>10/12/2009</td> <td>840</td> <td>GW</td> <td>Water</td> <td>FB</td> <td>3</td> <td>grab</td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>										Sample Date	Sample Time	Sample Type	Sample Matrix	Sample Purpose	# of Cont.	Units	mg/L	mg/L	mg/L	mg/L	mg/L										10/12/2009	823	GW	Water	REG	3	grab			X	X	X										10/12/2009	823	GW	Water	REG	2	grab	X	X													10/12/2009	1255	GW	Water	REG	3	grab			X	X	X										10/12/2009	1255	GW	Water	REG	2	grab	X	X													10/12/2009	1206	GW	Water	REG	3	grab			X	X	X										10/12/2009	1206	GW	Water	REG	2	grab	X	X													10/12/2009	1106	GW	Water	REG	3	grab			X	X	X										10/12/2009	1106	GW	Water	REG	2	grab	X	X													10/12/2009	840	GW	Water	FB	3	grab			X	X	X										Lab Sample Numbers	
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JA

### Internal Sample Tracking Chronicle

Honeywell International Inc.

Job No: JA30201

HLANJPR: SA-5 Site 117, Jersey City, NJ  
 Project No: PO#3480090010

4.2  
4

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JA30201-1 Collected: 12-OCT-09 09:46 By: SD Received: 12-OCT-09 By: 117-MW-A014-101209						
JA30201-1	SW846 7196A	12-OCT-09 21:43	RA			XCR
JA30201-1	SM20 5310B, 9060 M	18-OCT-09 02:16	SJG	17-OCT-09	SJG	TOC
JA30201-1	SW846 6010B	27-OCT-09 00:36	ND	26-OCT-09	RP	CR
JA30201-2 Collected: 12-OCT-09 08:23 By: SD Received: 12-OCT-09 By: 117-MW-A89-101209						
JA30201-2	SW846 7196A	12-OCT-09 21:43	RA			XCR
JA30201-2	SM20 5310B, 9060 M	18-OCT-09 02:32	SJG	17-OCT-09	SJG	TOC
JA30201-2	SW846 6010B	27-OCT-09 00:42	ND	26-OCT-09	RP	CR
JA30201-3 Collected: 12-OCT-09 09:23 By: SD Received: 12-OCT-09 By: 117-MW-A05-101209						
JA30201-3	SW846 7196A	12-OCT-09 21:43	RA			XCR
JA30201-3	SM20 5310B, 9060 M	18-OCT-09 02:01	SJG	17-OCT-09	SJG	TOC
JA30201-3	SW846 6010B	26-OCT-09 23:21	ND	26-OCT-09	RP	CR
JA30201-4 Collected: 12-OCT-09 09:28 By: SD Received: 12-OCT-09 By: 117-MW-A05DP-101209						
JA30201-4	SW846 7196A	12-OCT-09 21:43	RA			XCR
JA30201-4	SM20 5310B, 9060 M	18-OCT-09 02:47	SJG	17-OCT-09	SJG	TOC
JA30201-4	SW846 6010B	27-OCT-09 00:48	ND	26-OCT-09	RP	CR
JA30201-5 Collected: 12-OCT-09 08:23 By: SD Received: 12-OCT-09 By: 117-MW-A85-101209						
JA30201-5	SW846 7196A	12-OCT-09 21:43	RA			XCR
JA30201-5	SM20 5310B, 9060 M	18-OCT-09 03:02	SJG	17-OCT-09	SJG	TOC
JA30201-5	SW846 6010B	27-OCT-09 00:54	ND	26-OCT-09	RP	CR
JA30201-6 Collected: 12-OCT-09 12:55 By: SD Received: 12-OCT-09 By: 117-MW-A062-101209						
JA30201-6	SW846 7196A	12-OCT-09 21:43	RA			XCR
JA30201-6	SM20 5310B, 9060 M	18-OCT-09 03:19	SJG	17-OCT-09	SJG	TOC



### Internal Sample Tracking Chronicle

Honeywell International Inc.

Job No: JA30201

HLANJPR: SA-5 Site 117, Jersey City, NJ  
 Project No: PO#3480090010

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JA30201-6	SW846 6010B	27-OCT-09 01:00	ND	26-OCT-09 RP		CR
JA30201-7 Collected: 12-OCT-09 12:06 By: SD Received: 12-OCT-09 By: 117-MW-A99-101209						
JA30201-7	SW846 7196A	12-OCT-09	RA			XCR
JA30201-7	SM20 5310B, 9060 M	18-OCT-09 04:07	SJG	17-OCT-09 SJG		TOC
JA30201-7	SW846 6010B	27-OCT-09 01:06	ND	26-OCT-09 RP		CR
JA30201-8 Collected: 12-OCT-09 11:06 By: SD Received: 12-OCT-09 By: 117-MW-S4-101209						
JA30201-8	SW846 7196A	12-OCT-09	RA			XCR
JA30201-8	SM20 5310B, 9060 M	18-OCT-09 04:22	SJG	17-OCT-09 SJG		TOC
JA30201-8	SW846 6010B	27-OCT-09 02:27	ND	26-OCT-09 RP		CR
JA30201-9 Collected: 12-OCT-09 08:40 By: SD Received: 12-OCT-09 By: 117-MW-FB-101209						
JA30201-9	SW846 7196A	12-OCT-09 21:55	RA			XCR
JA30201-9	SM20 5310B, 9060 M	18-OCT-09 04:39	SJG	17-OCT-09 SJG		TOC
JA30201-9	SW846 6010B	27-OCT-09 01:25	ND	26-OCT-09 RP		CR
JA30201-1F Collected: 12-OCT-09 09:46 By: SD Received: 12-OCT-09 By: 117-MW-A014F-101209						
JA30201-1F	SW846 7196A	12-OCT-09 21:55	RA			XCR
JA30201-1F	SW846 6010B	27-OCT-09 01:31	ND	26-OCT-09 RP		CR
JA30201-2F Collected: 12-OCT-09 08:23 By: SD Received: 12-OCT-09 By: 117-MW-A89F-101209						
JA30201-2F	SW846 7196A	12-OCT-09 21:55	RA			XCR
JA30201-2F	SW846 6010B	27-OCT-09 01:37	ND	26-OCT-09 RP		CR
JA30201-3F Collected: 12-OCT-09 09:23 By: SD Received: 12-OCT-09 By: 117-MW-A05F-101209						
JA30201-3F	SW846 7196A	12-OCT-09 21:55	RA			XCR
JA30201-3F	SW846 6010B	27-OCT-09 00:24	ND	26-OCT-09 RP		CR

### Internal Sample Tracking Chronicle

Honeywell International Inc.

Job No: JA30201

HLANJPR: SA-5 Site 117, Jersey City, NJ  
 Project No: PO#3480090010

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JA30201-4F Collected: 12-OCT-09 09:28 By: SD Received: 12-OCT-09 By: 117-MW-A05DPF-101209						
JA30201-4F SW846 7196A		12-OCT-09 21:55	RA			XCR
JA30201-4F SW846 6010B		27-OCT-09 01:44	ND	26-OCT-09 RP		CR
JA30201-5F Collected: 12-OCT-09 08:23 By: SD Received: 12-OCT-09 By: 117-MW-A85F-101209						
JA30201-5F SW846 7196A		12-OCT-09 21:55	RA			XCR
JA30201-5F SW846 6010B		27-OCT-09 01:50	ND	26-OCT-09 RP		CR
JA30201-6F Collected: 12-OCT-09 12:55 By: SD Received: 12-OCT-09 By: 117-MW-A062F-101209						
JA30201-6F SW846 7196A		12-OCT-09	RA			XCR
JA30201-6F SW846 6010B		27-OCT-09 01:56	ND	26-OCT-09 RP		CR
JA30201-7F Collected: 12-OCT-09 12:06 By: SD Received: 12-OCT-09 By: 117-MW-A99F-101209						
JA30201-7F SW846 7196A		12-OCT-09	RA			XCR
JA30201-7F SW846 6010B		27-OCT-09 02:02	ND	26-OCT-09 RP		CR
JA30201-8F Collected: 12-OCT-09 11:06 By: SD Received: 12-OCT-09 By: 117-MW-S4F-101209						
JA30201-8F SW846 7196A		12-OCT-09	RA			XCR
JA30201-8F SW846 6010B		27-OCT-09 02:33	ND	26-OCT-09 RP		CR

# Accutest Internal Chain of Custody

**Job Number:** JA30201  
**Account:** HWINJM Honeywell International Inc.  
**Project:** HLANJPR: SA-5 Site 117, Jersey City, NJ  
**Received:** 10/12/09

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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA30201-1.1	Secured Storage	Adam Scott	10/22/09 08:39	Retrieve from Storage
JA30201-1.1	Adam Scott	Darshananben Patel	10/22/09 08:40	Custody Transfer
JA30201-1.1	Darshananben Patel	Secured Storage	10/22/09 16:05	Return to Storage
JA30201-1.1	Secured Storage	Todd Shoemaker	10/26/09 08:11	Retrieve from Storage
JA30201-1.1	Todd Shoemaker	Jieyu Wang	10/26/09 08:13	Custody Transfer
JA30201-1.1	Jieyu Wang	Rinku Patel	10/26/09 08:23	Custody Transfer
JA30201-1.1	Rinku Patel	Secured Storage	10/26/09 16:20	Return to Storage
JA30201-1.1.1	Rinku Patel	Metals Digestion	10/26/09 12:46	Digestate from JA30201-1.1
JA30201-1.1.1	Metals Digestion	Rinku Patel	10/26/09 12:47	Digestate from JA30201-1.1
JA30201-1.1.1	Rinku Patel	Metals Digestate Storage	10/26/09 12:47	Return to Storage
JA30201-1.1.1	Metals Digestate Storage	Nancy Duan	10/26/09 17:16	Retrieve from Storage
JA30201-1.1.1	Nancy Duan	Metals Digestate Storage	10/26/09 17:17	Return to Storage
JA30201-1.3	Secured Storage	Ricky Agapay	10/12/09 21:54	Retrieve from Storage
JA30201-1.3	Ricky Agapay	Secured Storage	10/12/09 22:16	Return to Storage
JA30201-1.5	Secured Storage	John Thomas	10/17/09 11:26	Retrieve from Storage
JA30201-1.5	John Thomas	Sejal Patel	10/17/09 12:18	Custody Transfer
JA30201-1.5	Sejal Patel	Secured Storage	10/17/09 12:32	Return to Storage
JA30201-1F.2	Secured Storage	Adam Scott	10/13/09 08:38	Retrieve from Storage
JA30201-1F.2	Adam Scott	Rinku Patel	10/13/09 08:39	Custody Transfer
JA30201-1F.2	Rinku Patel	Beatrice Marcelino	10/13/09 17:01	Custody Transfer
JA30201-1F.2	Beatrice Marcelino	Secured Storage	10/13/09 18:39	Return to Storage
JA30201-1F.2	Secured Storage	Adam Scott	10/22/09 08:39	Retrieve from Storage
JA30201-1F.2	Adam Scott	Darshananben Patel	10/22/09 08:40	Custody Transfer
JA30201-1F.2	Darshananben Patel	Secured Storage	10/22/09 16:05	Return to Storage
JA30201-1F.2	Secured Storage	Todd Shoemaker	10/26/09 08:11	Retrieve from Storage
JA30201-1F.2	Todd Shoemaker	Jieyu Wang	10/26/09 08:13	Custody Transfer
JA30201-1F.2	Jieyu Wang	Rinku Patel	10/26/09 08:23	Custody Transfer
JA30201-1F.2	Rinku Patel	Secured Storage	10/26/09 16:20	Return to Storage
JA30201-1F.2.1	Rinku Patel	Metals Digestion	10/26/09 12:46	Digestate from JA30201-1F.2
JA30201-1F.2.1	Metals Digestion	Rinku Patel	10/26/09 12:47	Digestate from JA30201-1F.2
JA30201-1F.2.1	Rinku Patel	Metals Digestate Storage	10/26/09 12:47	Return to Storage
JA30201-1F.2.1	Metals Digestate Storage	Nancy Duan	10/26/09 17:16	Retrieve from Storage
JA30201-1F.2.1	Nancy Duan	Metals Digestate Storage	10/26/09 17:17	Return to Storage
JA30201-1F.4	Secured Storage	Ricky Agapay	10/12/09 21:54	Retrieve from Storage
JA30201-1F.4	Ricky Agapay	Secured Storage	10/12/09 22:16	Return to Storage
JA30201-2.1	Secured Storage	Adam Scott	10/22/09 08:39	Retrieve from Storage
JA30201-2.1	Adam Scott	Darshananben Patel	10/22/09 08:40	Custody Transfer

# Accutest Internal Chain of Custody

**Job Number:** JA30201  
**Account:** HWINJM Honeywell International Inc.  
**Project:** HLANJPR: SA-5 Site 117, Jersey City, NJ  
**Received:** 10/12/09

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA30201-2.1	Darshananben Patel	Secured Storage	10/22/09 16:05	Return to Storage
JA30201-2.1	Secured Storage	Todd Shoemaker	10/26/09 08:11	Retrieve from Storage
JA30201-2.1	Todd Shoemaker	Jieyu Wang	10/26/09 08:13	Custody Transfer
JA30201-2.1	Jieyu Wang	Rinku Patel	10/26/09 08:23	Custody Transfer
JA30201-2.1	Rinku Patel	Secured Storage	10/26/09 16:20	Return to Storage
JA30201-2.1.1	Rinku Patel	Metals Digestion	10/26/09 12:46	Digestate from JA30201-2.1
JA30201-2.1.1	Metals Digestion	Rinku Patel	10/26/09 12:47	Digestate from JA30201-2.1
JA30201-2.1.1	Rinku Patel	Metals Digestate Storage	10/26/09 12:47	Return to Storage
JA30201-2.1.1	Metals Digestate Storage	Nancy Duan	10/26/09 17:16	Retrieve from Storage
JA30201-2.1.1	Nancy Duan	Metals Digestate Storage	10/26/09 17:17	Return to Storage
JA30201-2.3	Secured Storage	Ricky Agapay	10/12/09 21:54	Retrieve from Storage
JA30201-2.3	Ricky Agapay	Secured Storage	10/12/09 22:16	Return to Storage
JA30201-2.5	Secured Storage	John Thomas	10/17/09 09:51	Retrieve from Storage
JA30201-2.5	John Thomas	Shirley Grzybowski	10/17/09 09:55	Custody Transfer
JA30201-2.5	Shirley Grzybowski	Secured Storage	10/19/09 07:04	Return to Storage
JA30201-2F.2	Secured Storage	Adam Scott	10/13/09 08:38	Retrieve from Storage
JA30201-2F.2	Adam Scott	Rinku Patel	10/13/09 08:39	Custody Transfer
JA30201-2F.2	Rinku Patel	Beatrice Marcelino	10/13/09 17:01	Custody Transfer
JA30201-2F.2	Beatrice Marcelino	Secured Storage	10/13/09 18:39	Return to Storage
JA30201-2F.2	Secured Storage	Adam Scott	10/22/09 08:39	Retrieve from Storage
JA30201-2F.2	Adam Scott	Darshananben Patel	10/22/09 08:40	Custody Transfer
JA30201-2F.2	Darshananben Patel	Secured Storage	10/22/09 16:05	Return to Storage
JA30201-2F.2	Secured Storage	Todd Shoemaker	10/26/09 08:11	Retrieve from Storage
JA30201-2F.2	Todd Shoemaker	Jieyu Wang	10/26/09 08:13	Custody Transfer
JA30201-2F.2	Jieyu Wang	Rinku Patel	10/26/09 08:23	Custody Transfer
JA30201-2F.2	Rinku Patel	Secured Storage	10/26/09 16:20	Return to Storage
JA30201-2F.2.1	Rinku Patel	Metals Digestion	10/26/09 12:46	Digestate from JA30201-2F.2
JA30201-2F.2.1	Metals Digestion	Rinku Patel	10/26/09 12:47	Digestate from JA30201-2F.2
JA30201-2F.2.1	Rinku Patel	Metals Digestate Storage	10/26/09 12:47	Return to Storage
JA30201-2F.2.1	Metals Digestate Storage	Nancy Duan	10/26/09 17:16	Retrieve from Storage
JA30201-2F.2.1	Nancy Duan	Metals Digestate Storage	10/26/09 17:17	Return to Storage
JA30201-2F.4	Secured Storage	Ricky Agapay	10/12/09 21:54	Retrieve from Storage
JA30201-2F.4	Ricky Agapay	Secured Storage	10/12/09 22:16	Return to Storage
JA30201-3.1	Secured Storage	Todd Shoemaker	10/26/09 08:11	Retrieve from Storage
JA30201-3.1	Todd Shoemaker	Jieyu Wang	10/26/09 08:13	Custody Transfer
JA30201-3.1	Jieyu Wang	Rinku Patel	10/26/09 08:23	Custody Transfer
JA30201-3.1	Rinku Patel	Secured Storage	10/26/09 16:20	Return to Storage

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# Accutest Internal Chain of Custody

**Job Number:** JA30201  
**Account:** HWINJM Honeywell International Inc.  
**Project:** HLANJPR: SA-5 Site 117, Jersey City, NJ  
**Received:** 10/12/09

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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA30201-3.1.1	Rinku Patel	Metals Digestion	10/26/09 12:46	Digestate from JA30201-3.1
JA30201-3.1.1	Metals Digestion	Rinku Patel	10/26/09 12:47	Digestate from JA30201-3.1
JA30201-3.1.1	Rinku Patel	Metals Digestate Storage	10/26/09 12:47	Return to Storage
JA30201-3.1.1	Metals Digestate Storage	Nancy Duan	10/26/09 17:16	Retrieve from Storage
JA30201-3.1.1	Nancy Duan	Metals Digestate Storage	10/26/09 17:17	Return to Storage
JA30201-3.2	Secured Storage	Adam Scott	10/22/09 08:39	Retrieve from Storage
JA30201-3.2	Adam Scott	Darshananben Patel	10/22/09 08:40	Custody Transfer
JA30201-3.2	Darshananben Patel	Secured Storage	10/22/09 16:05	Return to Storage
JA30201-3.7	Secured Storage	Ricky Agapay	10/12/09 21:54	Retrieve from Storage
JA30201-3.7	Ricky Agapay	Secured Storage	10/12/09 22:16	Return to Storage
JA30201-3.8	Secured Storage	Ricky Agapay	10/12/09 20:44	Retrieve from Storage
JA30201-3.8	Ricky Agapay	Secured Storage	10/12/09 22:16	Return to Storage
JA30201-3.9	Secured Storage	Ricky Agapay	10/12/09 20:44	Retrieve from Storage
JA30201-3.9	Ricky Agapay	Secured Storage	10/12/09 22:16	Return to Storage
JA30201-3.13	Secured Storage	John Thomas	10/17/09 09:51	Retrieve from Storage
JA30201-3.13	John Thomas	Shirley Grzybowski	10/17/09 09:55	Custody Transfer
JA30201-3.13	Shirley Grzybowski	Secured Storage	10/19/09 07:04	Return to Storage
JA30201-3.14	Secured Storage	John Thomas	10/17/09 09:51	Retrieve from Storage
JA30201-3.14	John Thomas	Shirley Grzybowski	10/17/09 09:55	Custody Transfer
JA30201-3.14	Shirley Grzybowski	Secured Storage	10/19/09 07:04	Return to Storage
JA30201-3.15	Secured Storage	John Thomas	10/17/09 09:51	Retrieve from Storage
JA30201-3.15	John Thomas	Shirley Grzybowski	10/17/09 09:55	Custody Transfer
JA30201-3.15	Shirley Grzybowski	Secured Storage	10/19/09 07:04	Return to Storage
JA30201-3F.4	Secured Storage	Adam Scott	10/13/09 08:38	Retrieve from Storage
JA30201-3F.4	Adam Scott	Rinku Patel	10/13/09 08:39	Custody Transfer
JA30201-3F.4	Rinku Patel	Beatrice Marcelino	10/13/09 17:01	Custody Transfer
JA30201-3F.4	Beatrice Marcelino	Secured Storage	10/13/09 18:39	Return to Storage
JA30201-3F.4	Secured Storage	Adam Scott	10/22/09 08:39	Retrieve from Storage
JA30201-3F.4	Adam Scott	Darshananben Patel	10/22/09 08:40	Custody Transfer
JA30201-3F.4	Darshananben Patel	Secured Storage	10/22/09 16:05	Return to Storage
JA30201-3F.5	Secured Storage	Adam Scott	10/13/09 08:38	Retrieve from Storage
JA30201-3F.5	Adam Scott	Rinku Patel	10/13/09 08:39	Custody Transfer
JA30201-3F.5	Rinku Patel	Beatrice Marcelino	10/13/09 17:01	Custody Transfer
JA30201-3F.5	Beatrice Marcelino	Secured Storage	10/13/09 18:39	Return to Storage

# Accutest Internal Chain of Custody

**Job Number:** JA30201  
**Account:** HWINJM Honeywell International Inc.  
**Project:** HLANJPR: SA-5 Site 117, Jersey City, NJ  
**Received:** 10/12/09

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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA30201-3F.5	Secured Storage	Adam Scott	10/22/09 08:39	Retrieve from Storage
JA30201-3F.5	Adam Scott	Darshananben Patel	10/22/09 08:40	Custody Transfer
JA30201-3F.5	Darshananben Patel	Secured Storage	10/22/09 16:05	Return to Storage
JA30201-3F.5	Secured Storage	Todd Shoemaker	10/26/09 08:11	Retrieve from Storage
JA30201-3F.5	Todd Shoemaker	Jieyu Wang	10/26/09 08:13	Custody Transfer
JA30201-3F.5	Jieyu Wang	Rinku Patel	10/26/09 08:23	Custody Transfer
JA30201-3F.5	Rinku Patel	Secured Storage	10/26/09 16:20	Return to Storage
JA30201-3F.5.1	Rinku Patel	Metals Digestion	10/26/09 12:46	Digestate from JA30201-3F.5
JA30201-3F.5.1	Metals Digestion	Rinku Patel	10/26/09 12:47	Digestate from JA30201-3F.5
JA30201-3F.5.1	Rinku Patel	Metals Digestate Storage	10/26/09 12:47	Return to Storage
JA30201-3F.5.1	Metals Digestate Storage	Nancy Duan	10/26/09 17:16	Retrieve from Storage
JA30201-3F.5.1	Nancy Duan	Metals Digestate Storage	10/26/09 17:17	Return to Storage
JA30201-3F.6	Secured Storage	Adam Scott	10/13/09 08:38	Retrieve from Storage
JA30201-3F.6	Adam Scott	Rinku Patel	10/13/09 08:39	Custody Transfer
JA30201-3F.6	Rinku Patel	Beatrice Marcelino	10/13/09 17:01	Custody Transfer
JA30201-3F.6	Beatrice Marcelino	Secured Storage	10/13/09 18:39	Return to Storage
JA30201-3F.10	Secured Storage	Ricky Agapay	10/12/09 20:44	Retrieve from Storage
JA30201-3F.10	Ricky Agapay	Secured Storage	10/12/09 22:16	Return to Storage
JA30201-3F.11	Secured Storage	Ricky Agapay	10/12/09 20:44	Retrieve from Storage
JA30201-3F.11	Ricky Agapay	Secured Storage	10/12/09 22:16	Return to Storage
JA30201-3F.12	Secured Storage	Ricky Agapay	10/12/09 21:54	Retrieve from Storage
JA30201-3F.12	Ricky Agapay	Secured Storage	10/12/09 22:16	Return to Storage
JA30201-4.1	Secured Storage	Adam Scott	10/22/09 08:39	Retrieve from Storage
JA30201-4.1	Adam Scott	Darshananben Patel	10/22/09 08:40	Custody Transfer
JA30201-4.1	Darshananben Patel	Secured Storage	10/22/09 16:05	Return to Storage
JA30201-4.1	Secured Storage	Todd Shoemaker	10/26/09 08:11	Retrieve from Storage
JA30201-4.1	Todd Shoemaker	Jieyu Wang	10/26/09 08:13	Custody Transfer
JA30201-4.1	Jieyu Wang	Rinku Patel	10/26/09 08:23	Custody Transfer
JA30201-4.1	Rinku Patel	Secured Storage	10/26/09 16:20	Return to Storage
JA30201-4.1.1	Rinku Patel	Metals Digestion	10/26/09 12:46	Digestate from JA30201-4.1
JA30201-4.1.1	Metals Digestion	Rinku Patel	10/26/09 12:47	Digestate from JA30201-4.1
JA30201-4.1.1	Rinku Patel	Metals Digestate Storage	10/26/09 12:47	Return to Storage
JA30201-4.1.1	Metals Digestate Storage	Nancy Duan	10/26/09 17:16	Retrieve from Storage
JA30201-4.1.1	Nancy Duan	Metals Digestate Storage	10/26/09 17:17	Return to Storage
JA30201-4.3	Secured Storage	Ricky Agapay	10/12/09 21:54	Retrieve from Storage
JA30201-4.3	Ricky Agapay	Secured Storage	10/12/09 22:16	Return to Storage

# Accutest Internal Chain of Custody

**Job Number:** JA30201  
**Account:** HWINJM Honeywell International Inc.  
**Project:** HLANJPR: SA-5 Site 117, Jersey City, NJ  
**Received:** 10/12/09

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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA30201-4.5	Secured Storage	John Thomas	10/17/09 09:51	Retrieve from Storage
JA30201-4.5	John Thomas	Shirley Grzybowski	10/17/09 09:55	Custody Transfer
JA30201-4.5	Shirley Grzybowski	Secured Storage	10/19/09 07:04	Return to Storage
JA30201-4F.2	Secured Storage	Adam Scott	10/13/09 08:38	Retrieve from Storage
JA30201-4F.2	Adam Scott	Rinku Patel	10/13/09 08:39	Custody Transfer
JA30201-4F.2	Rinku Patel	Beatrice Marcelino	10/13/09 17:01	Custody Transfer
JA30201-4F.2	Beatrice Marcelino	Secured Storage	10/13/09 18:39	Return to Storage
JA30201-4F.2	Secured Storage	Adam Scott	10/22/09 08:39	Retrieve from Storage
JA30201-4F.2	Adam Scott	Darshanben Patel	10/22/09 08:40	Custody Transfer
JA30201-4F.2	Darshanben Patel	Secured Storage	10/22/09 16:05	Return to Storage
JA30201-4F.2	Secured Storage	Todd Shoemaker	10/26/09 08:11	Retrieve from Storage
JA30201-4F.2	Todd Shoemaker	Jieyu Wang	10/26/09 08:13	Custody Transfer
JA30201-4F.2	Jieyu Wang	Rinku Patel	10/26/09 08:23	Custody Transfer
JA30201-4F.2	Rinku Patel	Secured Storage	10/26/09 16:20	Return to Storage
JA30201-4F.2.1	Rinku Patel	Metals Digestion	10/26/09 12:46	Digestate from JA30201-4F.2
JA30201-4F.2.1	Metals Digestion	Rinku Patel	10/26/09 12:47	Digestate from JA30201-4F.2
JA30201-4F.2.1	Rinku Patel	Metals Digestate Storage	10/26/09 12:47	Return to Storage
JA30201-4F.2.1	Metals Digestate Storage	Nancy Duan	10/26/09 17:16	Retrieve from Storage
JA30201-4F.2.1	Nancy Duan	Metals Digestate Storage	10/26/09 17:17	Return to Storage
JA30201-4F.4	Secured Storage	Ricky Agapay	10/12/09 21:54	Retrieve from Storage
JA30201-4F.4	Ricky Agapay	Secured Storage	10/12/09 22:16	Return to Storage
JA30201-5.1	Secured Storage	Adam Scott	10/22/09 08:39	Retrieve from Storage
JA30201-5.1	Adam Scott	Darshanben Patel	10/22/09 08:40	Custody Transfer
JA30201-5.1	Darshanben Patel	Secured Storage	10/22/09 16:05	Return to Storage
JA30201-5.1	Secured Storage	Todd Shoemaker	10/26/09 08:11	Retrieve from Storage
JA30201-5.1	Todd Shoemaker	Jieyu Wang	10/26/09 08:13	Custody Transfer
JA30201-5.1	Jieyu Wang	Rinku Patel	10/26/09 08:23	Custody Transfer
JA30201-5.1	Rinku Patel	Secured Storage	10/26/09 16:20	Return to Storage
JA30201-5.1.1	Rinku Patel	Metals Digestion	10/26/09 12:46	Digestate from JA30201-5.1
JA30201-5.1.1	Metals Digestion	Rinku Patel	10/26/09 12:47	Digestate from JA30201-5.1
JA30201-5.1.1	Rinku Patel	Metals Digestate Storage	10/26/09 12:47	Return to Storage
JA30201-5.1.1	Metals Digestate Storage	Nancy Duan	10/26/09 17:16	Retrieve from Storage
JA30201-5.1.1	Nancy Duan	Metals Digestate Storage	10/26/09 17:17	Return to Storage
JA30201-5.3	Secured Storage	Ricky Agapay	10/12/09 21:54	Retrieve from Storage
JA30201-5.3	Ricky Agapay	Secured Storage	10/12/09 22:16	Return to Storage
JA30201-5.5	Secured Storage	John Thomas	10/17/09 09:51	Retrieve from Storage

# Accutest Internal Chain of Custody

**Job Number:** JA30201  
**Account:** HWINJM Honeywell International Inc.  
**Project:** HLANJPR: SA-5 Site 117, Jersey City, NJ  
**Received:** 10/12/09

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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA30201-5.5	John Thomas	Shirley Grzybowski	10/17/09 09:55	Custody Transfer
JA30201-5.5	Shirley Grzybowski	Secured Storage	10/19/09 07:04	Return to Storage
JA30201-5F.2	Secured Storage	Adam Scott	10/13/09 08:38	Retrieve from Storage
JA30201-5F.2	Adam Scott	Rinku Patel	10/13/09 08:39	Custody Transfer
JA30201-5F.2	Rinku Patel	Beatrice Marcelino	10/13/09 17:01	Custody Transfer
JA30201-5F.2	Beatrice Marcelino	Secured Storage	10/13/09 18:39	Return to Storage
JA30201-5F.2	Secured Storage	Adam Scott	10/22/09 08:39	Retrieve from Storage
JA30201-5F.2	Adam Scott	Darshananben Patel	10/22/09 08:40	Custody Transfer
JA30201-5F.2	Darshananben Patel	Secured Storage	10/22/09 16:05	Return to Storage
JA30201-5F.2	Secured Storage	Todd Shoemaker	10/26/09 08:11	Retrieve from Storage
JA30201-5F.2	Todd Shoemaker	Jieyu Wang	10/26/09 08:13	Custody Transfer
JA30201-5F.2	Jieyu Wang	Rinku Patel	10/26/09 08:23	Custody Transfer
JA30201-5F.2	Rinku Patel	Secured Storage	10/26/09 16:20	Return to Storage
JA30201-5F.2.1	Rinku Patel	Metals Digestion	10/26/09 12:46	Digestate from JA30201-5F.2
JA30201-5F.2.1	Metals Digestion	Rinku Patel	10/26/09 12:47	Digestate from JA30201-5F.2
JA30201-5F.2.1	Rinku Patel	Metals Digestate Storage	10/26/09 12:47	Return to Storage
JA30201-5F.2.1	Metals Digestate Storage	Nancy Duan	10/26/09 17:16	Retrieve from Storage
JA30201-5F.2.1	Nancy Duan	Metals Digestate Storage	10/26/09 17:17	Return to Storage
JA30201-5F.4	Secured Storage	Ricky Agapay	10/12/09 21:54	Retrieve from Storage
JA30201-5F.4	Ricky Agapay	Secured Storage	10/12/09 22:16	Return to Storage
JA30201-6.1	Secured Storage	Adam Scott	10/22/09 08:39	Retrieve from Storage
JA30201-6.1	Adam Scott	Darshananben Patel	10/22/09 08:40	Custody Transfer
JA30201-6.1	Darshananben Patel	Secured Storage	10/22/09 16:05	Return to Storage
JA30201-6.1	Secured Storage	Todd Shoemaker	10/26/09 08:11	Retrieve from Storage
JA30201-6.1	Todd Shoemaker	Jieyu Wang	10/26/09 08:13	Custody Transfer
JA30201-6.1	Jieyu Wang	Rinku Patel	10/26/09 08:23	Custody Transfer
JA30201-6.1	Rinku Patel	Secured Storage	10/26/09 16:20	Return to Storage
JA30201-6.1.1	Rinku Patel	Metals Digestion	10/26/09 12:46	Digestate from JA30201-6.1
JA30201-6.1.1	Metals Digestion	Rinku Patel	10/26/09 12:47	Digestate from JA30201-6.1
JA30201-6.1.1	Rinku Patel	Metals Digestate Storage	10/26/09 12:47	Return to Storage
JA30201-6.1.1	Metals Digestate Storage	Nancy Duan	10/26/09 17:16	Retrieve from Storage
JA30201-6.1.1	Nancy Duan	Metals Digestate Storage	10/26/09 17:17	Return to Storage
JA30201-6.3	Secured Storage	Ricky Agapay	10/12/09 21:54	Retrieve from Storage
JA30201-6.3	Ricky Agapay	Secured Storage	10/12/09 22:16	Return to Storage
JA30201-6.5	Secured Storage	John Thomas	10/17/09 09:51	Retrieve from Storage
JA30201-6.5	John Thomas	Shirley Grzybowski	10/17/09 09:55	Custody Transfer
JA30201-6.5	Shirley Grzybowski	Secured Storage	10/19/09 07:04	Return to Storage



# Accutest Internal Chain of Custody

**Job Number:** JA30201  
**Account:** HWINJM Honeywell International Inc.  
**Project:** HLANJPR: SA-5 Site 117, Jersey City, NJ  
**Received:** 10/12/09

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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA30201-6F.2	Secured Storage	Adam Scott	10/13/09 08:38	Retrieve from Storage
JA30201-6F.2	Adam Scott	Rinku Patel	10/13/09 08:39	Custody Transfer
JA30201-6F.2	Rinku Patel	Beatrice Marcelino	10/13/09 17:01	Custody Transfer
JA30201-6F.2	Beatrice Marcelino	Secured Storage	10/13/09 18:39	Return to Storage
JA30201-6F.2	Secured Storage	Adam Scott	10/22/09 08:39	Retrieve from Storage
JA30201-6F.2	Adam Scott	Darshananben Patel	10/22/09 08:40	Custody Transfer
JA30201-6F.2	Darshananben Patel	Secured Storage	10/22/09 16:05	Return to Storage
JA30201-6F.2	Secured Storage	Todd Shoemaker	10/26/09 08:11	Retrieve from Storage
JA30201-6F.2	Todd Shoemaker	Jieyu Wang	10/26/09 08:13	Custody Transfer
JA30201-6F.2	Jieyu Wang	Rinku Patel	10/26/09 08:23	Custody Transfer
JA30201-6F.2	Rinku Patel	Secured Storage	10/26/09 16:20	Return to Storage
JA30201-6F.2.1	Rinku Patel	Metals Digestion	10/26/09 12:46	Digestate from JA30201-6F.2
JA30201-6F.2.1	Metals Digestion	Rinku Patel	10/26/09 12:47	Digestate from JA30201-6F.2
JA30201-6F.2.1	Rinku Patel	Metals Digestate Storage	10/26/09 12:47	Return to Storage
JA30201-6F.2.1	Metals Digestate Storage	Nancy Duan	10/26/09 17:16	Retrieve from Storage
JA30201-6F.2.1	Nancy Duan	Metals Digestate Storage	10/26/09 17:17	Return to Storage
JA30201-6F.4	Secured Storage	Ricky Agapay	10/12/09 21:54	Retrieve from Storage
JA30201-6F.4	Ricky Agapay	Secured Storage	10/12/09 22:16	Return to Storage
JA30201-7.1	Secured Storage	Adam Scott	10/22/09 08:39	Retrieve from Storage
JA30201-7.1	Adam Scott	Darshananben Patel	10/22/09 08:40	Custody Transfer
JA30201-7.1	Darshananben Patel	Secured Storage	10/22/09 16:05	Return to Storage
JA30201-7.1	Secured Storage	Todd Shoemaker	10/26/09 08:11	Retrieve from Storage
JA30201-7.1	Todd Shoemaker	Jieyu Wang	10/26/09 08:13	Custody Transfer
JA30201-7.1	Jieyu Wang	Rinku Patel	10/26/09 08:23	Custody Transfer
JA30201-7.1	Rinku Patel	Secured Storage	10/26/09 16:20	Return to Storage
JA30201-7.1.1	Rinku Patel	Metals Digestion	10/26/09 12:46	Digestate from JA30201-7.1
JA30201-7.1.1	Metals Digestion	Rinku Patel	10/26/09 12:47	Digestate from JA30201-7.1
JA30201-7.1.1	Rinku Patel	Metals Digestate Storage	10/26/09 12:47	Return to Storage
JA30201-7.1.1	Metals Digestate Storage	Nancy Duan	10/26/09 17:16	Retrieve from Storage
JA30201-7.1.1	Nancy Duan	Metals Digestate Storage	10/26/09 17:17	Return to Storage
JA30201-7.3	Secured Storage	Ricky Agapay	10/12/09 21:54	Retrieve from Storage
JA30201-7.3	Ricky Agapay	Secured Storage	10/12/09 22:16	Return to Storage
JA30201-7.5	Secured Storage	John Thomas	10/17/09 09:51	Retrieve from Storage
JA30201-7.5	John Thomas	Shirley Grzybowski	10/17/09 09:55	Custody Transfer
JA30201-7.5	Shirley Grzybowski	Secured Storage	10/19/09 07:04	Return to Storage
JA30201-7F.2	Secured Storage	Adam Scott	10/13/09 08:38	Retrieve from Storage

# Accutest Internal Chain of Custody

**Job Number:** JA30201  
**Account:** HWINJM Honeywell International Inc.  
**Project:** HLANJPR: SA-5 Site 117, Jersey City, NJ  
**Received:** 10/12/09

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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA30201-7F.2	Adam Scott	Rinku Patel	10/13/09 08:39	Custody Transfer
JA30201-7F.2	Rinku Patel	Beatrice Marcelino	10/13/09 17:01	Custody Transfer
JA30201-7F.2	Beatrice Marcelino	Secured Storage	10/13/09 18:39	Return to Storage
JA30201-7F.2	Secured Storage	Todd Shoemaker	10/20/09 08:24	Retrieve from Storage
JA30201-7F.2	Todd Shoemaker	Darshananben Patel	10/20/09 08:25	Custody Transfer
JA30201-7F.2	Darshananben Patel	Beatrice Marcelino	10/20/09 16:41	Custody Transfer
JA30201-7F.2	Beatrice Marcelino	Secured Storage	10/20/09 17:52	Return to Storage
JA30201-7F.2	Secured Storage	Adam Scott	10/22/09 08:39	Retrieve from Storage
JA30201-7F.2	Adam Scott	Darshananben Patel	10/22/09 08:40	Custody Transfer
JA30201-7F.2	Darshananben Patel	Secured Storage	10/22/09 16:05	Return to Storage
JA30201-7F.2	Secured Storage	Todd Shoemaker	10/26/09 08:11	Retrieve from Storage
JA30201-7F.2	Todd Shoemaker	Jieyu Wang	10/26/09 08:13	Custody Transfer
JA30201-7F.2	Jieyu Wang	Rinku Patel	10/26/09 08:23	Custody Transfer
JA30201-7F.2	Rinku Patel	Secured Storage	10/26/09 16:20	Return to Storage
JA30201-7F.2.1	Rinku Patel	Metals Digestion	10/26/09 12:46	Digestate from JA30201-7F.2
JA30201-7F.2.1	Metals Digestion	Rinku Patel	10/26/09 12:47	Digestate from JA30201-7F.2
JA30201-7F.2.1	Rinku Patel	Metals Digestate Storage	10/26/09 12:47	Return to Storage
JA30201-7F.2.1	Metals Digestate Storage	Nancy Duan	10/26/09 17:16	Retrieve from Storage
JA30201-7F.2.1	Nancy Duan	Metals Digestate Storage	10/26/09 17:17	Return to Storage
JA30201-7F.4	Secured Storage	Ricky Agapay	10/12/09 21:54	Retrieve from Storage
JA30201-7F.4	Ricky Agapay	Secured Storage	10/12/09 22:16	Return to Storage
JA30201-8.1	Secured Storage	Todd Shoemaker	10/19/09 09:37	Retrieve from Storage
JA30201-8.1	Todd Shoemaker	Darshananben Patel	10/19/09 09:39	Custody Transfer
JA30201-8.1	Darshananben Patel	Secured Storage	10/19/09 15:40	Return to Storage
JA30201-8.1	Secured Storage	Todd Shoemaker	10/21/09 08:47	Retrieve from Storage
JA30201-8.1	Todd Shoemaker	Beatrice Marcelino	10/21/09 08:49	Custody Transfer
JA30201-8.1	Beatrice Marcelino	Secured Storage	10/21/09 16:48	Return to Storage
JA30201-8.1	Secured Storage	Adam Scott	10/22/09 08:39	Retrieve from Storage
JA30201-8.1	Adam Scott	Darshananben Patel	10/22/09 08:40	Custody Transfer
JA30201-8.1	Darshananben Patel	Secured Storage	10/22/09 16:05	Return to Storage
JA30201-8.1	Secured Storage	Todd Shoemaker	10/26/09 08:11	Retrieve from Storage
JA30201-8.1	Todd Shoemaker	Jieyu Wang	10/26/09 08:13	Custody Transfer
JA30201-8.1	Jieyu Wang	Rinku Patel	10/26/09 08:23	Custody Transfer
JA30201-8.1	Rinku Patel	Secured Storage	10/26/09 16:20	Return to Storage
JA30201-8.1.1	Rinku Patel	Metals Digestion	10/26/09 12:46	Digestate from JA30201-8.1
JA30201-8.1.1	Metals Digestion	Rinku Patel	10/26/09 12:47	Digestate from JA30201-8.1
JA30201-8.1.1	Rinku Patel	Metals Digestate Storage	10/26/09 12:47	Return to Storage
JA30201-8.1.1	Metals Digestate Storage	Nancy Duan	10/26/09 17:16	Retrieve from Storage
JA30201-8.1.1	Nancy Duan	Metals Digestate Storage	10/26/09 17:17	Return to Storage

# Accutest Internal Chain of Custody

**Job Number:** JA30201  
**Account:** HWINJM Honeywell International Inc.  
**Project:** HLANJPR: SA-5 Site 117, Jersey City, NJ  
**Received:** 10/12/09

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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA30201-8.3	Secured Storage	Ricky Agapay	10/12/09 21:54	Retrieve from Storage
JA30201-8.3	Ricky Agapay	Secured Storage	10/12/09 22:16	Return to Storage
JA30201-8.5	Secured Storage	John Thomas	10/17/09 09:51	Retrieve from Storage
JA30201-8.5	John Thomas	Shirley Grzybowski	10/17/09 09:55	Custody Transfer
JA30201-8.5	Shirley Grzybowski	Secured Storage	10/19/09 07:04	Return to Storage
JA30201-8F.2	Secured Storage	Adam Scott	10/13/09 08:38	Retrieve from Storage
JA30201-8F.2	Adam Scott	Rinku Patel	10/13/09 08:39	Custody Transfer
JA30201-8F.2	Rinku Patel	Beatrice Marcelino	10/13/09 17:01	Custody Transfer
JA30201-8F.2	Beatrice Marcelino	Secured Storage	10/13/09 18:39	Return to Storage
JA30201-8F.2	Secured Storage	Todd Shoemaker	10/19/09 09:37	Retrieve from Storage
JA30201-8F.2	Todd Shoemaker	Darshananben Patel	10/19/09 09:39	Custody Transfer
JA30201-8F.2	Darshananben Patel	Secured Storage	10/19/09 15:40	Return to Storage
JA30201-8F.2	Secured Storage	Todd Shoemaker	10/20/09 09:12	Retrieve from Storage
JA30201-8F.2	Todd Shoemaker	Darshananben Patel	10/20/09 09:14	Custody Transfer
JA30201-8F.2	Darshananben Patel	Beatrice Marcelino	10/20/09 16:41	Custody Transfer
JA30201-8F.2	Beatrice Marcelino	Secured Storage	10/20/09 17:52	Return to Storage
JA30201-8F.2	Secured Storage	Adam Scott	10/22/09 08:39	Retrieve from Storage
JA30201-8F.2	Adam Scott	Darshananben Patel	10/22/09 08:40	Custody Transfer
JA30201-8F.2	Darshananben Patel	Secured Storage	10/22/09 16:05	Return to Storage
JA30201-8F.2	Secured Storage	Dave Hunkele	10/23/09 12:51	Retrieve from Storage
JA30201-8F.2	Dave Hunkele	Rinku Patel	10/23/09 12:52	Custody Transfer
JA30201-8F.2	Rinku Patel	Secured Storage	10/23/09 16:40	Return to Storage
JA30201-8F.2	Secured Storage	John Thomas	10/26/09 11:17	Retrieve from Storage
JA30201-8F.2	John Thomas	Rinku Patel	10/26/09 11:19	Custody Transfer
JA30201-8F.2	Rinku Patel	Secured Storage	10/26/09 16:20	Return to Storage
JA30201-8F.2.1	Rinku Patel	Metals Digestion	10/26/09 12:46	Digestate from JA30201-8F.2
JA30201-8F.2.1	Metals Digestion	Rinku Patel	10/26/09 12:47	Digestate from JA30201-8F.2
JA30201-8F.2.1	Rinku Patel	Metals Digestate Storage	10/26/09 12:47	Return to Storage
JA30201-8F.2.1	Metals Digestate Storage	Nancy Duan	10/26/09 17:16	Retrieve from Storage
JA30201-8F.2.1	Nancy Duan	Metals Digestate Storage	10/26/09 17:17	Return to Storage
JA30201-8F.4	Secured Storage	Ricky Agapay	10/12/09 21:54	Retrieve from Storage
JA30201-8F.4	Ricky Agapay	Secured Storage	10/12/09 22:16	Return to Storage
JA30201-8F.4	Secured Storage	Todd Shoemaker	10/21/09 08:47	Retrieve from Storage
JA30201-8F.4	Todd Shoemaker	Beatrice Marcelino	10/21/09 08:49	Custody Transfer
JA30201-8F.4	Beatrice Marcelino	Secured Storage	10/21/09 16:48	Return to Storage
JA30201-9.1	Secured Storage	Adam Scott	10/22/09 08:39	Retrieve from Storage
JA30201-9.1	Adam Scott	Darshananben Patel	10/22/09 08:40	Custody Transfer
JA30201-9.1	Darshananben Patel	Secured Storage	10/22/09 16:05	Return to Storage
JA30201-9.1	Secured Storage	Todd Shoemaker	10/26/09 08:11	Retrieve from Storage

# Accutest Internal Chain of Custody

**Job Number:** JA30201  
**Account:** HWINJM Honeywell International Inc.  
**Project:** HLANJPR: SA-5 Site 117, Jersey City, NJ  
**Received:** 10/12/09

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA30201-9.1	Todd Shoemaker	Jieyu Wang	10/26/09 08:13	Custody Transfer
JA30201-9.1	Jieyu Wang	Rinku Patel	10/26/09 08:23	Custody Transfer
JA30201-9.1	Rinku Patel	Secured Storage	10/26/09 16:20	Return to Storage
JA30201-9.1.1	Rinku Patel	Metals Digestion	10/26/09 12:46	Digestate from JA30201-9.1
JA30201-9.1.1	Metals Digestion	Rinku Patel	10/26/09 12:47	Digestate from JA30201-9.1
JA30201-9.1.1	Rinku Patel	Metals Digestate Storage	10/26/09 12:47	Return to Storage
JA30201-9.1.1	Metals Digestate Storage	Nancy Duan	10/26/09 17:16	Retrieve from Storage
JA30201-9.1.1	Nancy Duan	Metals Digestate Storage	10/26/09 17:17	Return to Storage
JA30201-9.2	Secured Storage	Ricky Agapay	10/12/09 21:54	Retrieve from Storage
JA30201-9.2	Ricky Agapay	Secured Storage	10/12/09 22:16	Return to Storage
JA30201-9.3	Secured Storage	John Thomas	10/17/09 09:51	Retrieve from Storage
JA30201-9.3	John Thomas	Shirley Grzybowski	10/17/09 09:55	Custody Transfer
JA30201-9.3	Shirley Grzybowski	Secured Storage	10/19/09 07:04	Return to Storage

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## Metals Analysis

### QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- IDL and Linear Range Summaries

Accutest Laboratories Instrument Runlog  
Inorganics Analyses

Login Number: JA30201  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: IT102609M1.DAT  
Analyst: ND  
Parameters: Cr

Date Analyzed: 10/26/09      Methods: EPA 200.7, SW846 6010B  
Run ID: MA23347

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:28	MA23347-STD1	1		STDA
14:34	MA23347-STD2	1		STDB
14:40	MA23347-STD3	1		STDC
14:47	MA23347-STD4	1		STDD
14:53	MA23347-STD5	1		STDE
14:59	MA23347-STD6	1		STDF
15:05	MA23347-STD7	1		STDG
15:12	MA23347-STD8	1		STDH
15:18	MA23347-STD9	1		STDI
15:35	MA23347-HSTD1	1		
15:41	MA23347-CRIB1	1		
15:47	MA23347-CRID1	1		
15:54	MA23347-ICV1	1		
16:00	MA23347-ICB1	1		
16:07	MA23347-ICCV1	1		
16:14	MA23347-CCB1	1		
16:22	MA23347-ICSA1	1		
16:28	MA23347-ICSAB1	1		
16:34	MA23347-CCV1	1		
16:40	MA23347-CCB2	1		
16:48	MP50203-MB1	1		
16:54	MP50221-MB1	1		
17:00	MP50221-LC1	1		
17:06	MP50221-S1	1		
17:12	MP50221-S2	1		
17:18	JA31255-2	1		(sample used for QC only; not part of login JA30201)
17:24	MP50221-SD1	5		
17:30	ZZZZZZ	1		
17:36	MA23347-CCV2	1		
17:43	MA23347-CCB3	1		
17:49	ZZZZZZ	1		
17:55	ZZZZZZ	1		
18:01	MP50203-B1	1		

Accutest Laboratories Instrument Runlog  
Inorganics Analyses

Login Number: JA30201  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: IT102609M1.DAT Date Analyzed: 10/26/09 Methods: EPA 200.7, SW846 6010B  
Analyst: ND Run ID: MA23347  
Parameters: Cr

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:07	MP50203-S1	1		
18:14	MP50203-S2	1		
18:20	JA30199-1	1		(sample used for QC only; not part of login JA30201)
18:26	MP50203-SD1	5		
18:32	ZZZZZZ	1		
18:38	ZZZZZZ	1		
18:44	ZZZZZZ	1		
18:50	MA23347-CCV3	1		
18:57	MA23347-CCB4	1		
19:03	ZZZZZZ	1		
19:09	ZZZZZZ	1		
19:15	ZZZZZZ	1		
19:21	ZZZZZZ	1		
19:27	ZZZZZZ	1		
19:33	ZZZZZZ	1		
19:40	ZZZZZZ	1		
19:46	ZZZZZZ	1		
19:52	ZZZZZZ	1		
19:58	ZZZZZZ	1		
20:04	MA23347-CCV4	1		
20:10	MA23347-CCB5	1		
20:17	MP50224-MB1	1		
20:23	MP50224-B1	1		
20:29	MP50224-S1	1		
20:35	MP50224-S2	1		
20:41	JA30252-1	1		(sample used for QC only; not part of login JA30201)
20:47	MP50224-SD1	5		
20:53	ZZZZZZ	1		
21:00	ZZZZZZ	1		
21:06	ZZZZZZ	1		
21:12	ZZZZZZ	1		
21:18	MA23347-CCV5	1		
21:24	MA23347-CCB6	1		

Accutest Laboratories Instrument Runlog  
Inorganics Analyses

Login Number: JA30201

Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: IT102609M1.DAT  
Analyst: ND  
Parameters: Cr

Date Analyzed: 10/26/09  
Run ID: MA23347

Methods: EPA 200.7, SW846 6010B

Time	Sample Description	Dilution Factor	PS Recov	Comments
21:31	ZZZZZZ	1		
21:37	ZZZZZZ	1		
21:43	ZZZZZZ	1		
21:49	ZZZZZZ	1		
21:55	ZZZZZZ	1		
22:01	ZZZZZZ	1		
22:07	ZZZZZZ	1		
22:13	ZZZZZZ	1		
22:20	ZZZZZZ	1		
22:26	ZZZZZZ	1		
22:32	MA23347-CCV6	1		
22:38	MA23347-CCB7	1		
22:44	ZZZZZZ	1		
22:51	ZZZZZZ	1		
22:57	MP50217-MB1	1		
23:03	MP50217-LC1	1		
23:09	MP50217-S1	1		
23:15	MP50217-S2	1		
23:21	JA30201-3	1		
23:27	MP50217-SD1	5		
23:33	MP50217-S3	1		
23:40	MP50217-S4	1		
23:46	MA23347-CCV7	1		
23:52	MA23347-CCB8	1		
23:58	MA23347-ICSA2	1		
00:05	MA23347-ICSAB2	1		
00:11	MA23347-CCV8	1		
00:17	MA23347-CCB9	1		
00:24	JA30201-3F	1		
00:30	MP50217-SD2	5		
00:36	JA30201-1	1		
00:42	JA30201-2	1		
00:48	JA30201-4	1		



Accutest Laboratories Instrument Runlog  
Inorganics Analyses

Login Number: JA30201  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: IT102609M1.DAT Date Analyzed: 10/26/09 Methods: EPA 200.7, SW846 6010B  
Analyst: ND Run ID: MA23347  
Parameters: Cr

Time	Sample Description	Dilution Factor	PS Recov	Comments
00:54	JA30201-5	1		
01:00	JA30201-6	1		
01:06	JA30201-7	1		
01:13	MA23347-CCV9	1		
01:19	MA23347-CCB10	1		
01:25	JA30201-9	1		
01:31	JA30201-1F	1		
01:37	JA30201-2F	1		
01:44	JA30201-4F	1		
01:50	JA30201-5F	1		
01:56	JA30201-6F	1		
02:02	JA30201-7F	1		
02:08	ZZZZZ	1		
02:14	MA23347-CCV10	1		
02:21	MA23347-CCB11	1		
02:27	JA30201-8	10		
02:33	JA30201-8F	10		
----->	Last reportable sample/prep for job JA30201			
02:39	MA23347-CCV11	1		
02:45	MA23347-CCB12	1		
02:52	MA23347-ICSA3	1		
02:58	MA23347-ICSAB3	1		
03:04	MA23347-CCV12	1		
03:11	MA23347-CCB13	1		
----->	Last reportable CCB for job JA30201			
	Refer to raw data for calibration curve and standards.			

5.1  
5

INTERNAL STANDARD SUMMARY

Login Number: JA30201  
 Account: HWINJM - Honeywell International Inc.  
 Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: IT102609M1.DAT Date Analyzed: 10/26/09 Methods: EPA 200.7, SW846 6010B  
 Analyst: ND Run ID: MA23347  
 Parameters: Cr

Time	Sample Description	Istd#1
14:28	MA23347-STD1	60610 R
14:34	MA23347-STD2	57832
14:40	MA23347-STD3	61446
14:47	MA23347-STD4	60227
14:53	MA23347-STD5	60197
14:59	MA23347-STD6	59495
15:05	MA23347-STD7	59974
15:12	MA23347-STD8	57628
15:18	MA23347-STD9	56574
15:35	MA23347-HSTD1	56076
15:41	MA23347-CRIB1	60631
15:47	MA23347-CRID1	59598
15:54	MA23347-ICV1	59162
16:00	MA23347-ICB1	60446
16:07	MA23347-ICCV1	58499
16:14	MA23347-CCB1	60509
16:22	MA23347-ICSA1	50459
16:28	MA23347-ICSAB1	50547
16:34	MA23347-CCV1	56764
16:40	MA23347-CCB2	60243
16:48	MP50203-MB1	59932
16:54	MP50221-MB1	59366
17:00	MP50221-LC1	55539
17:06	MP50221-S1	46451
17:12	MP50221-S2	45217
17:18	JA31255-2	46588
17:24	MP50221-SD1	56592
17:30	ZZZZZZ	45978
17:36	MA23347-CCV2	57836
17:43	MA23347-CCB3	59025
17:49	ZZZZZZ	44386
17:55	ZZZZZZ	46516
18:01	MP50203-B1	55602

5.1.1  
5

INTERNAL STANDARD SUMMARY

Login Number: JA30201  
 Account: HWINJM - Honeywell International Inc.  
 Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: IT102609M1.DAT      Date Analyzed: 10/26/09      Methods: EPA 200.7, SW846 6010B  
 Analyst: ND      Run ID: MA23347  
 Parameters: Cr

Time	Sample Description	Istd#1
18:07	MP50203-S1	58124
18:14	MP50203-S2	59650
18:20	JA30199-1	60781
18:26	MP50203-SD1	58675
18:32	ZZZZZ	61622
18:38	ZZZZZ	61459
18:44	ZZZZZ	59790
18:50	MA23347-CCV3	58650
18:57	MA23347-CCB4	58885
19:03	ZZZZZ	61815
19:09	ZZZZZ	61370
19:15	ZZZZZ	60478
19:21	ZZZZZ	57963
19:27	ZZZZZ	60243
19:33	ZZZZZ	57719
19:40	ZZZZZ	61457
19:46	ZZZZZ	60690
19:52	ZZZZZ	60038
19:58	ZZZZZ	59524
20:04	MA23347-CCV4	58296
20:10	MA23347-CCB5	60400
20:17	MP50224-MB1	61491
20:23	MP50224-B1	57104
20:29	MP50224-S1	62814
20:35	MP50224-S2	67632
20:41	JA30252-1	64159
20:47	MP50224-SD1	60681
20:53	ZZZZZ	64251
21:00	ZZZZZ	64450
21:06	ZZZZZ	68131
21:12	ZZZZZ	64441
21:18	MA23347-CCV5	57949
21:24	MA23347-CCB6	56503

5.1.1  
5

INTERNAL STANDARD SUMMARY

Login Number: JA30201  
 Account: HWINJM - Honeywell International Inc.  
 Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: IT102609M1.DAT      Date Analyzed: 10/26/09      Methods: EPA 200.7, SW846 6010B  
 Analyst: ND      Run ID: MA23347

Parameters: Cr

Time	Sample Description	Istd#1
21:31	ZZZZZZ	64039
21:37	ZZZZZZ	63893
21:43	ZZZZZZ	61879
21:49	ZZZZZZ	64505
21:55	ZZZZZZ	62214
22:01	ZZZZZZ	62463
22:07	ZZZZZZ	62695
22:13	ZZZZZZ	64947
22:20	ZZZZZZ	60246
22:26	ZZZZZZ	65547
22:32	MA23347-CCV6	57701
22:38	MA23347-CCB7	56375
22:44	ZZZZZZ	66032
22:51	ZZZZZZ	64019
22:57	MP50217-MB1	59131
23:03	MP50217-LC1	58817
23:09	MP50217-S1	55974
23:15	MP50217-S2	58641
23:21	JA30201-3	59436
23:27	MP50217-SD1	60352
23:33	MP50217-S3	56274
23:40	MP50217-S4	57791
23:46	MA23347-CCV7	59105
23:52	MA23347-CCB8	58901
23:58	MA23347-ICSA2	51866
00:05	MA23347-ICSAB2	52502
00:11	MA23347-CCV8	57210
00:17	MA23347-CCB9	57138
00:24	JA30201-3F	57748
00:30	MP50217-SD2	58312
00:36	JA30201-1	55975
00:42	JA30201-2	55850
00:48	JA30201-4	57089

5.1.1  
5

INTERNAL STANDARD SUMMARY

Login Number: JA30201  
 Account: HWINJM - Honeywell International Inc.  
 Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: IT102609M1.DAT Date Analyzed: 10/26/09 Methods: EPA 200.7, SW846 6010B  
 Analyst: ND Run ID: MA23347  
 Parameters: Cr

Time	Sample Description	Istd#1
00:54	JA30201-5	55669
01:00	JA30201-6	54463
01:06	JA30201-7	52417
01:13	MA23347-CCV9	57671
01:19	MA23347-CCB10	57746
01:25	JA30201-9	58189
01:31	JA30201-1F	56883
01:37	JA30201-2F	55951
01:44	JA30201-4F	58588
01:50	JA30201-5F	56199
01:56	JA30201-6F	58709
02:02	JA30201-7F	55709
02:08	ZZZZZZ	60969
02:14	MA23347-CCV10	56087
02:21	MA23347-CCB11	58293
02:27	JA30201-8	58433
02:33	JA30201-8F	58698
02:39	MA23347-CCV11	55383
02:45	MA23347-CCB12	59841
02:52	MA23347-ICSA3	52131
02:58	MA23347-ICSAB3	51145
03:04	MA23347-CCV12	57686
03:11	MA23347-CCB13	59005

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium	60-125 %

5.1.1  
5

BLANK RESULTS SUMMARY  
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: JA30201  
 Account: HWINJM - Honeywell International Inc.  
 Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: IT102609M1.DAT Date Analyzed: 10/26/09 Methods: EPA 200.7, SW846 6010B  
 QC Limits: result < RL Run ID: MA23347 Units: ug/l

Metal	RL	IDL	16:00	16:14		16:40		17:43						
			ICB1	raw	final	CCB1	raw	final	CCB2	raw	final	CCB3	raw	final
Aluminum	200	25	anr											
Antimony	6.0	3.1												
Arsenic	8.0	2.4	anr											
Barium	200	1.4	anr											
Beryllium	1.0	.09	anr											
Cadmium	3.0	.4	anr											
Calcium	5000	27												
Chromium	10	1.3	0.38	<10	0.66	<10	-0.20	<10	-0.16	<10				
Cobalt	50	.8												
Copper	10	1.1												
Iron	100	19	anr											
Lead	3.0	2.7												
Magnesium	5000	31												
Manganese	15	.3												
Molybdenum	20	1.1												
Nickel	10	1.5												
Palladium	50	4.6												
Potassium	10000	24												
Selenium	10	5.4												
Silicon	200	11												
Silver	10	1.2												
Sodium	10000	200												
Thallium	10	3.9												
Tin	10	3.6												
Vanadium	50	1.4												
Zinc	20	1.2	anr											

(\*) Outside of QC limits  
 (anr) Analyte not requested

5.1.2  
 5

BLANK RESULTS SUMMARY  
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: JA30201  
 Account: HWINJM - Honeywell International Inc.  
 Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: IT102609M1.DAT Date Analyzed: 10/26/09 Methods: EPA 200.7, SW846 6010B  
 QC Limits: result < RL Run ID: MA23347 Units: ug/l

Metal	RL	IDL	18:57	20:10		21:24		22:38		
			CCB4	raw	final	raw	final	raw	final	raw
Aluminum	200	25	anr							
Antimony	6.0	3.1								
Arsenic	8.0	2.4	anr							
Barium	200	1.4	anr							
Beryllium	1.0	.09	anr							
Cadmium	3.0	.4	anr							
Calcium	5000	27								
Chromium	10	1.3	-0.039	<10	0.40	<10	-0.30	<10	0.14	<10
Cobalt	50	.8								
Copper	10	1.1								
Iron	100	19	anr							
Lead	3.0	2.7								
Magnesium	5000	31								
Manganese	15	.3								
Molybdenum	20	1.1								
Nickel	10	1.5								
Palladium	50	4.6								
Potassium	10000	24								
Selenium	10	5.4								
Silicon	200	11								
Silver	10	1.2								
Sodium	10000	200								
Thallium	10	3.9								
Tin	10	3.6								
Vanadium	50	1.4								
Zinc	20	1.2	anr							

(\*) Outside of QC limits  
 (anr) Analyte not requested

5.1.2  
 5

BLANK RESULTS SUMMARY  
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JA30201  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: IT102609M1.DAT Date Analyzed: 10/26/09 Methods: EPA 200.7, SW846 6010B  
QC Limits: result < RL Run ID: MA23347 Units: ug/l

Time:			23:52			00:17			01:19			02:21
Sample ID:	RL	IDL	CCB8	final	CCB9	final	CCB10	final	CCB11	final	CCB11	final
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final	raw	final
Aluminum	200	25	anr									
Antimony	6.0	3.1										
Arsenic	8.0	2.4	anr									
Barium	200	1.4	anr									
Beryllium	1.0	.09	anr									
Cadmium	3.0	.4	anr									
Calcium	5000	27										
Chromium	10	1.3	0.28	<10	1.3	<10	1.6	<10	-2.3	<10		
Cobalt	50	.8										
Copper	10	1.1										
Iron	100	19	anr									
Lead	3.0	2.7										
Magnesium	5000	31										
Manganese	15	.3										
Molybdenum	20	1.1										
Nickel	10	1.5										
Palladium	50	4.6										
Potassium	10000	24										
Selenium	10	5.4										
Silicon	200	11										
Silver	10	1.2										
Sodium	10000	200										
Thallium	10	3.9										
Tin	10	3.6										
Vanadium	50	1.4										
Zinc	20	1.2	anr									

(\*) Outside of QC limits  
(anr) Analyte not requested

5.1.2  
5



BLANK RESULTS SUMMARY  
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: JA30201  
 Account: HWINJM - Honeywell International Inc.  
 Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: IT102609M1.DAT Date Analyzed: 10/26/09 Methods: EPA 200.7, SW846 6010B  
 QC Limits: result < RL Run ID: MA23347 Units: ug/l

Metal	RL	IDL	02:45 CCB12		03:11 CCB13	
			raw	final	raw	final
Aluminum	200	25	anr			
Antimony	6.0	3.1				
Arsenic	8.0	2.4	anr			
Barium	200	1.4	anr			
Beryllium	1.0	.09	anr			
Cadmium	3.0	.4	anr			
Calcium	5000	27				
Chromium	10	1.3	3.6	<10	2.8	<10
Cobalt	50	.8				
Copper	10	1.1				
Iron	100	19	anr			
Lead	3.0	2.7				
Magnesium	5000	31				
Manganese	15	.3				
Molybdenum	20	1.1				
Nickel	10	1.5				
Palladium	50	4.6				
Potassium	10000	24				
Selenium	10	5.4				
Silicon	200	11				
Silver	10	1.2				
Sodium	10000	200				
Thallium	10	3.9				
Tin	10	3.6				
Vanadium	50	1.4				
Zinc	20	1.2	anr			

(\*) Outside of QC limits  
 (anr) Analyte not requested

5.1.2  
 5

CALIBRATION CHECK STANDARDS SUMMARY  
Initial Continuing Calibration Check

Login Number: JA30201  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: IT102609M1.DAT Date Analyzed: 10/26/09 Methods: EPA 200.7, SW846 6010B  
QC Limits: 95 to 105 % Recovery Run ID: MA23347 Units: ug/l

Time:	16:07		
Sample ID:	ICCV ICCV1		
Metal	True	Results	% Rec
Aluminum	anr		
Antimony			
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Cadmium	anr		
Calcium			
Chromium	2000	2000	100.0
Cobalt			
Copper			
Iron	anr		
Lead			
Magnesium			
Manganese			
Molybdenum			
Nickel			
Palladium			
Potassium			
Selenium			
Silicon			
Silver			
Sodium			
Thallium			
Tin			
Vanadium			
Zinc	anr		

(\* ) Outside of QC limits  
(anr) Analyte not requested

5.1.3  
5

CALIBRATION CHECK STANDARDS SUMMARY  
Initial and Continuing Calibration Checks

Login Number: JA30201  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: IT102609M1.DAT      Date Analyzed: 10/26/09      Methods: EPA 200.7, SW846 6010B  
QC Limits: 95 to 105 % Recovery      Run ID: MA23347      Units: ug/l

Metal	Sample ID: ICV True	15:54		CCV True	16:34		CCV True	17:36	
		ICV1 Results	% Rec		CCV1 Results	% Rec		CCV2 Results	% Rec
Aluminum	anr								
Antimony									
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium									
Chromium	1000	973	97.3	2000	1980	99.0	2000	2000	100.0
Cobalt									
Copper									
Iron	anr								
Lead									
Magnesium									
Manganese									
Molybdenum									
Nickel									
Palladium									
Potassium									
Selenium									
Silicon									
Silver									
Sodium									
Thallium									
Tin									
Vanadium									
Zinc	anr								

(\*) Outside of QC limits  
(anr) Analyte not requested

5.1.4  
5

CALIBRATION CHECK STANDARDS SUMMARY  
Initial and Continuing Calibration Checks

Login Number: JA30201  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: IT102609M1.DAT      Date Analyzed: 10/26/09      Methods: EPA 200.7, SW846 6010B  
QC Limits: 95 to 105 % Recovery      Run ID: MA23347      Units: ug/l

Metal	Sample ID: CCV	18:50		CCV	20:04		CCV	21:18	
		CCV3	Results		CCV4	Results		CCV5	Results
	True		% Rec	True		% Rec	True		% Rec
Aluminum	anr								
Antimony									
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium									
Chromium	2000	2010	100.5	2000	2020	101.0	2000	2030	101.5
Cobalt									
Copper									
Iron	anr								
Lead									
Magnesium									
Manganese									
Molybdenum									
Nickel									
Palladium									
Potassium									
Selenium									
Silicon									
Silver									
Sodium									
Thallium									
Tin									
Vanadium									
Zinc	anr								

(\*) Outside of QC limits  
(anr) Analyte not requested

5.1.4  
5

CALIBRATION CHECK STANDARDS SUMMARY  
Initial and Continuing Calibration Checks

Login Number: JA30201  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: IT102609M1.DAT      Date Analyzed: 10/26/09      Methods: EPA 200.7, SW846 6010B  
QC Limits: 95 to 105 % Recovery      Run ID: MA23347      Units: ug/l

Metal	Sample ID: CCV	Time: 22:32		CCV	Time: 23:46		CCV	Time: 00:11	
		CCV6	Results		CCV7	Results		CCV8	Results
	True		% Rec	True		% Rec	True		% Rec
Aluminum	anr								
Antimony									
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium									
Chromium	2000	2050	102.5	2000	2030	101.5	2000	2040	102.0
Cobalt									
Copper									
Iron	anr								
Lead									
Magnesium									
Manganese									
Molybdenum									
Nickel									
Palladium									
Potassium									
Selenium									
Silicon									
Silver									
Sodium									
Thallium									
Tin									
Vanadium									
Zinc	anr								

(\*) Outside of QC limits  
(anr) Analyte not requested

5.1.4  
5

CALIBRATION CHECK STANDARDS SUMMARY  
Initial and Continuing Calibration Checks

Login Number: JA30201  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: IT102609M1.DAT      Date Analyzed: 10/26/09      Methods: EPA 200.7, SW846 6010B  
QC Limits: 95 to 105 % Recovery      Run ID: MA23347      Units: ug/l

Metal	Sample ID: CCV	01:13		CCV	02:14		CCV	02:39	
		CCV9	Results % Rec		CCV10	Results % Rec		CCV11	Results % Rec
Aluminum	anr								
Antimony									
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium									
Chromium	2000	2080	104.0	2000	2070	103.5	2000	2070	103.5
Cobalt									
Copper									
Iron	anr								
Lead									
Magnesium									
Manganese									
Molybdenum									
Nickel									
Palladium									
Potassium									
Selenium									
Silicon									
Silver									
Sodium									
Thallium									
Tin									
Vanadium									
Zinc	anr								

(\*) Outside of QC limits  
(anr) Analyte not requested

5.1.4  
5

CALIBRATION CHECK STANDARDS SUMMARY  
Initial and Continuing Calibration Checks

Login Number: JA30201  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: IT102609M1.DAT      Date Analyzed: 10/26/09      Methods: EPA 200.7, SW846 6010B  
QC Limits: 95 to 105 % Recovery      Run ID: MA23347      Units: ug/l

Metal	Sample ID	Time	Results	% Rec
Aluminum	anr	03:04		
Antimony		CCV12		
Arsenic	anr			
Barium	anr			
Beryllium	anr			
Cadmium	anr			
Calcium				
Chromium	2000	2090	104.5	
Cobalt				
Copper				
Iron	anr			
Lead				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Palladium				
Potassium				
Selenium				
Silicon				
Silver				
Sodium				
Thallium				
Tin				
Vanadium				
Zinc	anr			

(\*) Outside of QC limits  
(anr) Analyte not requested

5.1.4  
5

HIGH STANDARD CHECK SUMMARY

Login Number: JA30201  
 Account: HWINJM - Honeywell International Inc.  
 Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: IT102609M1.DAT Date Analyzed: 10/26/09 Methods: EPA 200.7, SW846 6010B  
 QC Limits: 95 to 105 % Recovery Run ID: MA23347 Units: ug/l

Time:	15:35		
Sample ID:	HSTD HSTD1		
Metal	True	Results	% Rec
Aluminum	anr		
Antimony			
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Cadmium	anr		
Calcium			
Chromium	4000	3890	97.3
Cobalt			
Copper			
Iron	anr		
Lead			
Magnesium			
Manganese			
Molybdenum			
Nickel			
Palladium			
Potassium			
Selenium			
Silicon			
Silver			
Sodium			
Thallium			
Tin			
Vanadium			
Zinc	anr		

(\*) Outside of QC limits  
 (anr) Analyte not requested

5.1.5  
**5**



LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JA30201  
 Account: HWINJM - Honeywell International Inc.  
 Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: IT102609M1.DAT Date Analyzed: 10/26/09 Methods: EPA 200.7, SW846 6010B  
 QC Limits: 50 to 150 % Recovery Run ID: MA23347 Units: ug/l

Time:	Sample ID:	CRI	CRIA	CRID	15:47 CRID1	Results	% Rec
Metal		True	True	True			
Aluminum				100	anr		
Antimony	120			3.0			
Arsenic	20	3.0	3.0	3.0			
Barium	400			4.0	anr		
Beryllium	10	1.0	1.0	1.0	anr		
Cadmium	10			1.0	anr		
Calcium				1000			
Chromium	20			2.0	2.3	115.0	
Cobalt	100			3.0			
Copper	50			2.0			
Iron							
Lead	6.0			2.5			
Magnesium				100			
Manganese	30			3.0			
Molybdenum	40						
Nickel	80			4.0			
Palladium	100						
Potassium				2000			
Selenium	10			5.0			
Silicon							
Silver	20			1.0			
Sodium				1000			
Thallium	20	2.0	2.0	2.0			
Tin							
Vanadium	100			2.0			
Zinc	40			10	anr		

(\* ) Outside of QC limits  
 (anr) Analyte not requested

5.1.6  
5

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JA30201  
 Account: HWINJM - Honeywell International Inc.  
 Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: IT102609M1.DAT Date Analyzed: 10/26/09 Methods: EPA 200.7, SW846 6010B  
 QC Limits: 50 to 150 % Recovery Run ID: MA23347 Units: ug/l

Metal	Time:	Sample ID:	CRIB	15:41	CRIB1	Results	% Rec
Aluminum	200						
Antimony	6.0						
Arsenic	8.0						
Barium	200						
Beryllium	5.0						
Cadmium	3.0						
Calcium	5000						
Chromium	10	10.8				108.0	
Cobalt	50						
Copper	10						
Iron	100						
Lead	3.0						
Magnesium	5000						
Manganese	15						
Molybdenum	20						
Nickel	10						
Palladium	50						
Potassium	10000						
Selenium	10						
Silicon	200						
Silver	10						
Sodium	10000						
Thallium	10						
Tin	10						
Vanadium	50						
Zinc	20						

(\* ) Outside of QC limits  
 (anr) Analyte not requested

5.17  
**5**

INTERFERING ELEMENT CHECK STANDARDS SUMMARY  
Part 1 - ICSA and ICSAB Standards

Login Number: JA30201  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: IT102609M1.DAT      Date Analyzed: 10/26/09      Methods: EPA 200.7, SW846 6010B  
QC Limits: 80 to 120 % Recovery      Run ID: MA23347      Units: ug/l

Metal	Time:		16:22		16:28		23:58		00:05		
	Sample ID:	ICSA	ICSAB	ICSAL	% Rec	ICSAB1	% Rec	ICSA2	% Rec	ICSAB2	% Rec
Aluminum	500000	500000	490000	98.0	491000	98.2	483000	96.6	486000	97.2	
Antimony			1000	2.9		1130	113.0	-38*		1140	114.0
Arsenic			1000	-1.2		1030	103.0	3.9		1060	106.0
Barium			500	4.8		493	98.6	4.3		479	95.8
Beryllium			500	0.22		498	99.6	0.035		520	104.0
Cadmium			1000	3.8		984	98.4	3.4		1060	106.0
Calcium	400000	400000	374000	93.5	375000	93.8	390000	97.5	397000	99.3	
Chromium			500	3.8		475	95.0	3.3		495	99.0
Cobalt			500	-1.2		475	95.0	-2.4		497	99.4
Copper			500	0.30		503	100.6	-0.75		485	97.0
Iron	200000	200000	194000	97.0	192000	96.0	200000	100.0	200000	100.0	
Lead			1000	2.9		1020	102.0	-20*		1060	106.0
Magnesium	500000	500000	523000	104.6	520000	104.0	544000	108.8	549000	109.8	
Manganese			500	3.2		475	95.0	3.2		487	97.4
Molybdenum			500	5.0		482	96.4	-3.8		494	98.8
Nickel			1000	9.2		932	93.2	9.2		988	98.8
Palladium			500	-0.33		516	103.2	-4.1		507	101.4
Potassium				-130		-110		-64		-23	
Selenium			1000	1.8		1070	107.0	-7.4		1090	109.0
Silicon				-46		-34		-57		-36	
Silver			1000	2.7		1030	103.0	1.6		1030	103.0
Sodium				-130		-190		-300		-340	
Thallium			1000	12.9		995	99.5	-17		1020	102.0
Tin				-5.3		-4.2		-23*		-6.4	
Vanadium			500	5.5		505	101.0	-1.9		516	103.2
Zinc			1000	-1.0		923	92.3	-1.5		1020	102.0

(\*) Outside of QC limits  
(anr) Analyte not requested

5.1.8  
5

INTERFERING ELEMENT CHECK STANDARDS SUMMARY  
Part 1 - ICSA and ICSAB Standards

Login Number: JA30201  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: IT102609M1.DAT      Date Analyzed: 10/26/09      Methods: EPA 200.7, SW846 6010B  
QC Limits: 80 to 120 % Recovery      Run ID: MA23347      Units: ug/l

Metal	Time:		02:52		02:58	
	Sample ID:	ICSA	ICSAB	ICSA3	ICSAB3	ICSA3
	True	True	Results	% Rec	Results	% Rec
Aluminum	500000	500000	487000	97.4	493000	98.6
Antimony		1000	0.99		1140	114.0
Arsenic		1000	0.98		1050	105.0
Barium		500	4.2		487	97.4
Beryllium		500	0.086		520	104.0
Cadmium		1000	4.0		1060	106.0
Calcium	400000	400000	404000	101.0	397000	99.3
Chromium		500	7.1		495	99.0
Cobalt		500	-0.71		495	99.0
Copper		500	0.17		491	98.2
Iron	200000	200000	205000	102.5	199000	99.5
Lead		1000	2.2		1070	107.0
Magnesium	500000	500000	560000	112.0	546000	109.2
Manganese		500	3.3		489	97.8
Molybdenum		500	7.3		495	99.0
Nickel		1000	10.8		987	98.7
Palladium		500	0.049		506	101.2
Potassium			-33		-42	
Selenium		1000	12.2		1100	110.0
Silicon			-48		-53	
Silver		1000	3.0		1030	103.0
Sodium			-120		-740	
Thallium		1000	3.3		1010	101.0
Tin			-1.2		-3.7	
Vanadium		500	9.3		514	102.8
Zinc		1000	0.032		999	99.9

(\*) Outside of QC limits  
(anr) Analyte not requested

5.1.8  
5

BLANK RESULTS SUMMARY  
Part 2 - Method Blanks

Login Number: JA30201  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

QC Batch ID: MP50217  
Matrix Type: AQUEOUS

Methods: SW846 6010B  
Units: ug/l

Prep Date: 10/26/09

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	5.2	16		
Antimony	6.0	1.6	2.9		
Arsenic	3.0	1.3	2.4		
Barium	200	.3	.7		
Beryllium	1.0	.09	.1		
Boron	100	1.7	3.5		
Cadmium	3.0	.2	.4		
Calcium	5000	27	22		
Chromium	10	.5	.9	0.33	<10
Cobalt	50	.3	1.6		
Copper	10	.9	1.6		
Iron	100	19	12		
Lead	3.0	1.2	1.7		
Magnesium	5000	29	13		
Manganese	15	.3	.4		
Molybdenum	20	.2	1		
Nickel	10	.2	.6		
Palladium	50	3	3.2		
Potassium	10000	24	43		
Selenium	10	2.1	3.7		
Silicon	200	9.6	38		
Silver	10	.5	1		
Sodium	10000	200	19		
Strontium	10	.3	.5		
Thallium	2.0	1.3	1.5		
Tin	10	.3	2.1		
Titanium	10	.6	.6		
Tungsten	50	4.2	6.8		
Vanadium	50	.3	.9		
Zinc	20	.7	2.9		

Associated samples MP50217: JA30201-1, JA30201-2, JA30201-3, JA30201-4, JA30201-5, JA30201-6, JA30201-7, JA30201-8, JA30201-9, JA30201-1F, JA30201-2F, JA30201-3F, JA30201-4F, JA30201-5F, JA30201-6F, JA30201-7F, JA30201-8F

Results < IDL are shown as zero for calculation purposes  
(\* ) Outside of QC limits

BLANK RESULTS SUMMARY  
Part 2 - Method Blanks

Login Number: JA30201  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

QC Batch ID: MP50217  
Matrix Type: AQUEOUS

Methods: SW846 6010B  
Units: ug/l

Prep Date:

Metal

(anr) Analyte not requested

5.2.1

5

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JA30201  
 Account: HWINJM - Honeywell International Inc.  
 Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

QC Batch ID: MP50217  
 Matrix Type: AQUEOUS

Methods: SW846 6010B  
 Units: ug/l

Prep Date: 10/26/09

Metal	JA30201-3		Spike/lot		QC Limits
	Original MS		MPIRwl	% Rec	
Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Boron					
Cadmium					
Calcium					
Chromium	7.3	199	200	95.9	75-125
Cobalt					
Copper					
Iron					
Lead	anr				
Magnesium					
Manganese					
Molybdenum					
Nickel					
Palladium					
Potassium					
Selenium					
Silicon					
Silver					
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Tungsten					
Vanadium					
Zinc					

Associated samples MP50217: JA30201-1, JA30201-2, JA30201-3, JA30201-4, JA30201-5, JA30201-6, JA30201-7, JA30201-8, JA30201-9, JA30201-1F, JA30201-2F, JA30201-3F, JA30201-4F, JA30201-5F, JA30201-6F, JA30201-7F, JA30201-8F

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits

5.2.2  
 5

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JA30201

Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

QC Batch ID: MP50217  
Matrix Type: AQUEOUS

Methods: SW846 6010B  
Units: ug/l

Prep Date:

Metal

(N) Matrix Spike Rec. outside of QC limits  
(anr) Analyte not requested

5.2.2

5



MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JA30201  
 Account: HWINJM - Honeywell International Inc.  
 Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

QC Batch ID: MP50217  
 Matrix Type: AQUEOUS

Methods: SW846 6010B  
 Units: ug/l

Prep Date: 10/26/09

Metal	JA30201-3		SpikeLot		MSD RPD	QC Limit
	Original	MSD	MPIRW1	% Rec		
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Boron						
Cadmium						
Calcium						
Chromium	7.3	208	200	100.4	4.4	20
Cobalt						
Copper						
Iron						
Lead	anr					
Magnesium						
Manganese						
Molybdenum						
Nickel						
Palladium						
Potassium						
Selenium						
Silicon						
Silver						
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Tungsten						
Vanadium						
Zinc						

Associated samples MP50217: JA30201-1, JA30201-2, JA30201-3, JA30201-4, JA30201-5, JA30201-6, JA30201-7, JA30201-8, JA30201-9, JA30201-1F, JA30201-2F, JA30201-3F, JA30201-4F, JA30201-5F, JA30201-6F, JA30201-7F, JA30201-8F

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits

5.2.2  
 5

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JA30201

Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

QC Batch ID: MP50217  
Matrix Type: AQUEOUS

Methods: SW846 6010B  
Units: ug/l

Prep Date:

Metal

(N) Matrix Spike Rec. outside of QC limits  
(anr) Analyte not requested

5.2.2

5

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JA30201  
 Account: HWINJM - Honeywell International Inc.  
 Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

QC Batch ID: MP50217  
 Matrix Type: AQUEOUS

Methods: SW846 6010B  
 Units: ug/l

Prep Date: 10/26/09

Metal	JA30201-3F Original MS	SpikeLot MPIRW1	% Rec	QC Limits	
Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Boron					
Cadmium					
Calcium					
Chromium	1.7	203	200	100.7	75-125
Cobalt					
Copper					
Iron					
Lead	anr				
Magnesium					
Manganese					
Molybdenum					
Nickel					
Palladium					
Potassium					
Selenium					
Silicon					
Silver					
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Tungsten					
Vanadium					
Zinc					

Associated samples MP50217: JA30201-1, JA30201-2, JA30201-3, JA30201-4, JA30201-5, JA30201-6, JA30201-7, JA30201-8, JA30201-9, JA30201-1F, JA30201-2F, JA30201-3F, JA30201-4F, JA30201-5F, JA30201-6F, JA30201-7F, JA30201-8F

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits

5.2.2  
 5

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JA30201

Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

QC Batch ID: MP50217  
Matrix Type: AQUEOUS

Methods: SW846 6010B  
Units: ug/l

Prep Date:

Metal

(N) Matrix Spike Rec. outside of QC limits  
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JA30201  
 Account: HWINJM - Honeywell International Inc.  
 Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

QC Batch ID: MP50217  
 Matrix Type: AQUEOUS

Methods: SW846 6010B  
 Units: ug/l

Prep Date: 10/26/09

Metal	JA30201-3F		SpikeLot		MSD RPD	QC Limit
	Original	MSD	MPIRW1	% Rec		
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Boron						
Cadmium						
Calcium						
Chromium	1.7	199	200	98.7	2.0	20
Cobalt						
Copper						
Iron						
Lead	anr					
Magnesium						
Manganese						
Molybdenum						
Nickel						
Palladium						
Potassium						
Selenium						
Silicon						
Silver						
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Tungsten						
Vanadium						
Zinc						

Associated samples MP50217: JA30201-1, JA30201-2, JA30201-3, JA30201-4, JA30201-5, JA30201-6, JA30201-7, JA30201-8, JA30201-9, JA30201-1F, JA30201-2F, JA30201-3F, JA30201-4F, JA30201-5F, JA30201-6F, JA30201-7F, JA30201-8F

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits

5.2.2  
 5

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JA30201

Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

QC Batch ID: MP50217  
Matrix Type: AQUEOUS

Methods: SW846 6010B  
Units: ug/l

Prep Date:

Metal

(N) Matrix Spike Rec. outside of QC limits  
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JA30201  
 Account: HWINJM - Honeywell International Inc.  
 Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

QC Batch ID: MP50217  
 Matrix Type: AQUEOUS

Methods: SW846 6010B  
 Units: ug/l

Prep Date: 10/26/09

Metal	LCS Result	Spikelot MPLCW3	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium				
Chromium	487	500	97.4	80-120
Cobalt				
Copper				
Iron				
Lead	anr			
Magnesium				
Manganese				
Molybdenum				
Nickel				
Palladium				
Potassium				
Selenium				
Silicon				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Tungsten				
Vanadium				
Zinc				

Associated samples MP50217: JA30201-1, JA30201-2, JA30201-3, JA30201-4, JA30201-5, JA30201-6, JA30201-7, JA30201-8, JA30201-9, JA30201-1F, JA30201-2F, JA30201-3F, JA30201-4F, JA30201-5F, JA30201-6F, JA30201-7F, JA30201-8F

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JA30201

Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

QC Batch ID: MP50217  
Matrix Type: AQUEOUS

Methods: SW846 6010B  
Units: ug/l

Prep Date:

Metal

(anr) Analyte not requested

5.2.3  
5



SERIAL DILUTION RESULTS SUMMARY

Login Number: JA30201  
 Account: HWINJM - Honeywell International Inc.  
 Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

QC Batch ID: MP50217  
 Matrix Type: AQUEOUS

Methods: SW846 6010B  
 Units: ug/l

Prep Date: 10/26/09 10/26/09

Metal	JA30201-3			QC Limits	JA30201-3F			QC Limits
	Original	SDL 1:5	%DIF		Original	SDL 1:5	%DIF	
Aluminum								
Antimony								
Arsenic								
Barium								
Beryllium								
Boron								
Cadmium								
Calcium								
Chromium	7.33	7.34	0.3	0-10	1.72	0.00	100.0(a)	0-10
Cobalt								
Copper								
Iron								
Lead	anr							
Magnesium								
Manganese								
Molybdenum								
Nickel								
Palladium								
Potassium								
Selenium								
Silicon								
Silver								
Sodium								
Strontium								
Thallium								
Tin								
Titanium								
Tungsten								
Vanadium								
Zinc								

Associated samples MP50217: JA30201-1, JA30201-2, JA30201-3, JA30201-4, JA30201-5, JA30201-6, JA30201-7, JA30201-8, JA30201-9, JA30201-1F, JA30201-2F, JA30201-3F, JA30201-4F, JA30201-5F, JA30201-6F, JA30201-7F, JA30201-8F

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits

5.2.4  
**5**

SERIAL DILUTION RESULTS SUMMARY

Login Number: JA30201  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

QC Batch ID: MP50217  
Matrix Type: AQUEOUS

Methods: SW846 6010B  
Units: ug/l

Prep Date:

Metal

(anr) Analyte not requested

(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

5.2.4

5

# Instrument Detection Limits

**Job Number:** JA30201  
**Account:** HWINJM Honeywell International Inc.  
**Project:** HLANJPR: SA-5 Site 117, Jersey City, NJ

<b>Instrument ID:</b> TJATRACE3	<b>Effective Date:</b> 06/15/09
---------------------------------	---------------------------------

<b>Analyte</b>	<b>IDL ug/l</b>
Aluminum	25.1
Antimony	3.1
Arsenic	2.4
Barium	1.4
Beryllium	.09
Cadmium	.4
Calcium	27.2
Chromium	1.3
Cobalt	.8
Copper	1.1
Iron	18.5
Lead	2.7
Magnesium	30.9
Manganese	.3
Molybdenum	1.1
Nickel	1.5
Palladium	4.6
Potassium	24.1
Selenium	5.4
Silicon	10.9
Silver	1.2
Sodium	204.4
Thallium	3.9
Tin	3.6
Vanadium	1.4
Zinc	1.2

The above applies to the following instrument runs:  
MA23347

5.3  
5

# Instrument Linear Ranges

**Job Number:** JA30201  
**Account:** HWINJM Honeywell International Inc.  
**Project:** HLANJPR: SA-5 Site 117, Jersey City, NJ

<b>Instrument ID:</b> TJATRACE3	<b>Effective Date:</b> 06/15/09
---------------------------------	---------------------------------

Analyte	Linear Range ug/l
Aluminum	1000000
Antimony	50000
Arsenic	50000
Barium	25000
Beryllium	25000
Cadmium	25000
Calcium	400000
Chromium	50000
Cobalt	50000
Copper	50000
Iron	500000
Lead	50000
Magnesium	1000000
Manganese	25000
Molybdenum	50000
Nickel	50000
Palladium	50000
Potassium	200000
Selenium	50000
Silicon	50000
Silver	2000
Sodium	200000
Thallium	50000
Tin	50000
Vanadium	50000
Zinc	25000

The above applies to the following instrument runs:  
MA23347

5.3  
5



## Metals Analysis

Raw Data

---

Zoom In  
Zoom Out

Method : EPA3 File : it102609ml Printed : 10/27/2009 8:12:39 AM  
SampleId1 : STD SampleId2 : [STD]  
Analysis commenced : 10/26/2009 2:28:07 PM  
Dilution ratio : 1.00000 to 1.00000

Table with 8 columns (K, Zn, Co, Cr, Mg, V, Be) and 3 rows of IS ratioed intensities data. Includes sub-sections for various elements like Cu, Ni, Mn, and Fe.

Zoom In  
Zoom Out

Method : EPA3 File : it102609ml Printed : 10/27/2009 8:12:39 AM  
SampleId1 : STDB SampleId2 : [STD]  
Analysis commenced : 10/26/2009 2:34:26 PM  
Dilution ratio : 1.00000 to 1.00000

Table with 8 columns (K, Zn, Co, Cr, Mg, V, Be) and 3 rows of IS ratioed intensities data. Includes sub-sections for various elements like Cu, Ni, Mn, and Fe.

Zoom In  
Zoom Out

Method : EPA3 File : it102609ml Printed : 10/27/2009 8:12:39 AM  
SampleId1 : STDC SampleId2 : [STD]  
Analysis commenced : 10/26/2009 2:40:43 PM  
Dilution ratio : 1.00000 to 1.00000

Table with 8 columns (K, Zn, Co, Cr, Mg, V, Be) and 3 rows of IS ratioed intensities data. Includes sub-sections for various elements like Cu, Ni, Mn, and Fe.

Zoom In  
Zoom Out

Method : EPA3 File : it102609ml Printed : 10/27/2009 8:12:39 AM  
SampleId1 : STDD SampleId2 : [STD]  
Analysis commenced : 10/26/2009 2:47:01 PM  
Dilution ratio : 1.00000 to 1.00000

Table with 8 columns (K, Zn, Co, Cr, Mg, V, Be) and 3 rows of IS ratioed intensities data. Includes sub-sections for various elements like Cu, Ni, Mn, and Fe.



Method : EPA3 File : it102609ml Printed : 10/27/2009 8:12:40 AM  
SampleId1 : STD1 SampleId2 : [STD]  
Analysis commenced : 10/26/2009 3:18:26 PM  
Dilution ratio : 1.00000 to 1.00000

Table with columns for elements (K, Zn, Co, Cr, Mg, V, Be) and various intensity readings (Reading, Mean, %RSD) for multiple samples.

Method : EPA3 File : it102609ml Printed : 10/27/2009 8:12:40 AM  
SampleId1 : HSTD SampleId2 : [FLXQC]  
Analysis commenced : 10/26/2009 3:35:00 PM  
Dilution ratio : 1.00000 to 1.00000

Table with columns for elements (K, Zn, Co, Cr, Mg, V, Be) and various intensity readings (Reading, Mean, %RSD) for multiple samples.

Printed: 10/27/2009 8:12:40 AM User: Accutest  
#1 3.83192 3.91900 4.04062 4.03707 4.11855 4.15340 4.04884  
#2 3.79816 3.88869 4.00821 4.04260 4.13367 4.19109 4.01894  
#3 3.79224 3.88177 3.97427 4.05482 4.13294 4.18121 4.03638  
Mean 3.80744 3.89649 4.00770 4.04483 4.12839 4.17524 4.03469  
%RSD 0.56222 0.50821 0.82786 0.22449 0.20652 0.46799 0.37363

Table with columns for elements (K, Zn, Co, Cr, Mg, V, Be) and various intensity readings (Reading, Mean, %RSD) for multiple samples.

Method : EPA3 File : it102609ml Printed : 10/27/2009 8:12:40 AM  
SampleId1 : CRIB SampleId2 : [FLXQC]  
Analysis commenced : 10/26/2009 3:41:31 PM  
Dilution ratio : 1.00000 to 1.00000

Table with columns for elements (K, Zn, Co, Cr, Mg, V, Be) and various intensity readings (Reading, Mean, %RSD) for multiple samples.



Zoom In  
Zoom Out

Printed: 10/27/2009 8:12:40 AM User: Accutest  
#1 0.01595 0.02557 0.01270 0.00373 0.01533 0.02393 -0.00187  
#2 0.01552 0.02162 0.00600 0.00078 0.01009 0.01907 -0.00786  
#3 0.01529 0.01885 0.00056 -0.00735 0.00387 0.01392 -0.01621  
Mean 0.01559 0.02201 0.00642 -0.00095 0.00977 0.01897 -0.00865  
%RSD 2.15989 15.34644 94.75367 606.41658 58.72649 26.39543 83.28962

2203/2 2203/1 INT STD

IS ratioed intensities  
Reading Reading Reading  
#1 0.029 0.124 60678.000  
#2 0.027 0.109 60855.000  
#3 0.014 0.091 60359.000  
Mean 0.023 0.108 60630.667  
%RSD 33.691 15.336 0.415

Final concentrations  
ppm ppm intensity  
#1 0.00905 -0.00693 -17.74  
#2 0.00779 -0.01324 -8.38  
#3 -0.00024 -0.02157 -0.78  
Mean 0.00554 -0.01391 -8.97  
%RSD 91.03939 52.79145 94.75

Zoom In  
Zoom Out

Method: EPA3 File: it102609ml  
SampleId: CRID SampleId2:  
Analysis commenced: 10/26/2009 3:47:49 PM  
Dilution ratio: 1.00000 to 1.00000

K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130

IS ratioed intensities  
Reading Reading Reading Reading Reading Reading Reading  
#1 0.164 0.005 0.000 0.002 0.004 0.001 0.004  
#2 0.165 0.004 0.000 0.002 0.004 0.001 0.004  
#3 0.165 0.005 0.000 0.002 0.004 0.001 0.004  
Mean 0.165 0.005 0.000 0.002 0.004 0.001 0.004  
%RSD 0.155 3.871 69.782 10.298 4.633 12.644 1.217

Final concentrations  
ppm ppm ppm ppm ppm ppm ppm  
#1 2.81480 0.01072 0.00224 0.00220 0.09780 0.00226 0.00117  
#2 2.82314 0.01032 0.00198 0.00198 0.00198 0.00198 0.00198  
#3 2.82040 0.01102 0.00326 0.00265 0.10688 0.00303 0.00122  
Mean 2.81945 0.01069 0.00253 0.00228 0.10085 0.00252 0.00120  
%RSD 0.15064 3.28060 25.17823 14.93490 5.17577 17.47834 1.97205

Cu3247 Na3302 Pd3404 As1890 Tl1908 Sb2068 Cd2265

IS ratioed intensities  
Reading Reading Reading Reading Reading Reading Reading  
#1 0.004 0.024 -0.001 0.000 -0.020 0.011 0.007  
#2 0.004 0.024 -0.001 -0.002 -0.022 0.010 0.006  
#3 0.004 0.026 -0.001 -0.001 0.001 0.012 0.006  
Mean 0.004 0.025 -0.001 0.000 -0.019 0.011 0.006  
%RSD 4.191 3.628 31.802 269.677 15.290 9.324 6.110

Final concentrations  
ppm ppm ppm ppm ppm ppm ppm  
#1 0.00210 2.45900 0.0063 0.00166 0.00162 -0.00133 0.00144  
#2 0.00238 2.46171 0.00025 -0.00036 -0.00062 -0.00246 0.00131  
#3 0.00291 2.69254 0.00234 0.00391 0.00750 0.00291 0.00125  
Mean 0.00246 2.53775 0.00140 0.00289 -0.00029 0.00193 0.00133  
%RSD 16.70961 5.28264 104.14716 117.63726 148.07981 969.29742 7.43066

Ni2316 Ba4934 Ag3280 Ca3179 Al3082 Si2881 Fe2714

IS ratioed intensities  
Reading Reading Reading Reading Reading Reading Reading  
#1 0.001 0.006 -0.012 0.072 0.013 0.031 0.000  
#2 0.001 0.005 -0.012 0.072 0.013 0.031 0.000  
#3 0.001 0.006 -0.011 0.073 0.013 0.032 0.001  
Mean 0.001 0.005 -0.012 0.073 0.013 0.031 0.000  
%RSD 21.119 1.331 3.522 0.625 0.377 1.736 86.646

Final concentrations  
ppm ppm ppm ppm ppm ppm ppm  
#1 0.00650 0.00390 0.00092 0.99019 0.09219 -0.04204 0.00433  
#2 0.00577 0.00384 0.00057 0.98946 0.09020 -0.04254 0.00610  
#3 0.00673 0.00395 0.00130 1.00011 0.09261 -0.03847 0.01947  
Mean 0.00633 0.00390 0.00093 0.99292 0.09167 -0.04135 0.00590  
%RSD 7.94750 1.39381 39.55979 0.63297 1.40630 6.29853 217.89549

Mn2576 Mo2020 Sn1899 Pb2203 Se1960 1960/2 1960/1

IS ratioed intensities  
Reading Reading Reading Reading Reading Reading Reading  
#1 0.002 0.006 -0.009 0.000 0.000 0.035 -0.089  
#2 0.002 0.005 -0.009 0.000 0.000 0.035 -0.088  
#3 0.002 0.006 -0.009 0.000 0.000 0.037 -0.094  
Mean 0.002 0.005 -0.009 0.000 0.000 0.035 -0.090  
%RSD 2.281 6.744 1.446 35.629 15.771 3.939 3.983

Final concentrations  
ppm ppm ppm ppm ppm ppm ppm

Zoom In  
Zoom Out

Printed: 10/27/2009 8:12:41 AM User: Accutest  
#1 0.00327 0.00183 -0.00065 0.00122 0.00585 0.00826 0.00102  
#2 0.00321 0.00140 -0.00088 0.00030 0.00592 0.00792 0.00192  
#3 0.00338 0.00204 -0.00121 0.00374 0.00627 0.01165 -0.00447  
Mean 0.00328 0.00175 -0.00091 0.00175 0.00601 0.00928 -0.00051  
%RSD 2.57073 18.52718 31.29988 101.44648 3.79254 22.22200 680.31646

2203/2 2203/1 INT STD

IS ratioed intensities  
Reading Reading Reading  
#1 0.017 0.142 59613.000  
#2 0.015 0.139 59564.000  
#3 0.026 0.133 59617.000  
Mean 0.019 0.138 59598.000  
%RSD 29.156 3.373 0.050

Final concentrations  
ppm ppm intensity  
#1 0.00048 0.00272 0.90  
#2 -0.00025 0.00139 1.22  
#3 0.00628 -0.00136 1.70  
Mean 0.00217 0.00092 1.27  
%RSD 164.60685 227.21532 31.30

Zoom In  
Zoom Out

Method: EPA3 File: it102609ml  
SampleId: ICV SampleId2:  
Analysis commenced: 10/26/2009 3:54:07 PM  
Dilution ratio: 1.00000 to 1.00000

K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130

IS ratioed intensities  
Reading Reading Reading Reading Reading Reading Reading  
#1 0.580 0.491 0.207 0.568 0.373 0.055 0.055  
#2 0.595 0.463 0.199 0.652 0.164 0.194 2.019  
#3 0.595 0.465 0.199 0.653 0.164 0.195 2.016  
Mean 0.590 0.473 0.202 0.657 0.167 0.196 2.030  
%RSD 1.481 3.299 2.272 1.370 3.187 1.369 1.084

Final concentrations  
ppm ppm ppm ppm ppm ppm ppm  
#1 9.82636 0.98729 0.96797 0.98841 4.94475 0.99915 0.98385  
#2 10.08011 0.93110 0.93118 0.96460 4.67950 0.97439 0.96632  
#3 10.07437 0.93508 0.93070 0.96606 4.68287 0.97738 0.96494  
Mean 9.99361 0.95115 0.94329 0.97302 4.76904 0.98364 0.97170  
%RSD 1.44971 3.29674 2.26664 1.37105 3.19092 1.37380 1.08492

Cu3247 Na3302 Pd3404 As1890 Tl1908 Sb2068 Cd2265

IS ratioed intensities  
Reading Reading Reading Reading Reading Reading Reading  
#1 0.420 0.070 0.232 0.684 0.622 0.365 3.829  
#2 0.430 0.061 0.231 0.664 0.604 0.356 3.695  
#3 0.429 0.062 0.230 0.663 0.605 0.358 3.690  
Mean 0.426 0.064 0.231 0.670 0.610 0.360 3.738  
%RSD 1.324 7.598 0.491 1.750 1.656 1.275 2.103

Final concentrations  
ppm ppm ppm ppm ppm ppm ppm  
#1 0.95698 9.59374 1.03944 0.96827 0.93157 0.98042 1.01051  
#2 0.97968 8.27833 1.03209 0.93819 0.90528 0.95683 0.97524  
#3 0.97928 8.41003 1.02969 0.93719 0.90748 0.96036 0.97392  
Mean 0.97198 8.76070 1.03774 0.94722 0.91477 0.96587 0.98656  
%RSD 1.36892 8.26913 0.49154 1.74277 1.59450 1.33730 2.10343

Ni2316 Ba4934 Ag3280 Ca3179 Al3082 Si2881 Fe2714

IS ratioed intensities  
Reading Reading Reading Reading Reading Reading Reading  
#1 0.448 0.280 0.534 0.368 0.196 0.244 0.091  
#2 0.430 1.302 0.524 0.355 0.197 0.236 0.086  
#3 0.431 1.302 0.526 0.356 0.198 0.236 0.088  
Mean 0.436 1.295 0.528 0.360 0.197 0.238 0.086  
%RSD 2.311 0.994 1.063 1.924 0.387 1.903 3.352

Final concentrations  
ppm ppm ppm ppm ppm ppm ppm  
#1 0.99405 0.95296 0.49357 5.01848 5.00044 0.97228 5.08343  
#2 0.95443 0.96949 0.48401 4.84508 5.03077 0.93453 4.79566  
#3 0.95655 0.96964 0.48307 4.86287 5.03407 0.93544 4.75781  
Mean 0.96835 0.96403 0.48782 4.90872 5.02176 0.94732 4.89230  
%RSD 2.30168 0.99469 1.03836 1.94461 0.36916 2.28211 3.38341

Mn2576 Mo2020 Sn1899 Pb2203 Se1960 1960/2 1960/1

IS ratioed intensities  
Reading Reading Reading Reading Reading Reading Reading  
#1 0.576 1.059 0.449 0.000 0.000 0.711 0.902  
#2 0.568 1.034 0.429 0.000 0.000 0.742 0.835  
#3 0.568 1.035 0.431 0.000 0.000 0.666 0.826  
Mean 0.570 1.043 0.436 0.000 0.000 0.707 0.855  
%RSD 0.826 1.379 2.568 9.183 3.338 5.369 4.820

Final concentrations  
ppm ppm ppm ppm ppm ppm ppm

Printed: 10/27/2009 8:12:41 AM User: Accutest
#1 0.96534 0.93913 0.97276 1.04387 0.99403 1.01226 0.95755
#2 0.95151 0.91635 0.92988 1.04123 1.00236 1.05675 0.89356
#3 0.95180 0.91767 0.93360 0.93604 0.92541 0.94571 0.88480
Mean 0.95622 0.92438 0.94541 1.00705 0.97393 1.00491 0.91198
%RSD 0.82655 1.38366 2.51301 6.10745 4.33601 5.56112 4.35435

IS ratioed intensities
Reading Reading Reading
#1 1.674 2.381 61487.000
#2 1.744 2.159 58030.000
#3 1.507 2.136 57970.000
Mean 1.642 2.225 59162.333
%RSD 7.443 6.080 3.403

Method: EPA3 File: it102609ml
SampleId1: ICB SampleId2:
Analysis commenced: 10/26/2009 4:00:38 PM
Dilution ratio: 1.00000 to 1.00000

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.064 -0.001 0.000 0.001 0.001 0.000 0.002
#2 0.064 -0.001 0.000 0.001 0.001 0.000 0.002
#3 0.064 -0.001 0.000 0.001 0.001 0.000 0.002

Printed: 10/27/2009 8:12:41 AM User: Accutest
#1 0.00040 0.00237 -0.00073 0.00173 0.00785 -0.01049
#2 0.00027 0.00093 -0.00001 0.00750 0.01188 0.01594
#3 0.00030 0.00022 -0.00047 -0.00426 -0.00239 0.00100

IS ratioed intensities
Reading Reading Reading
#1 0.023 0.109 60696.000
#2 0.033 0.138 60440.000
#3 0.014 0.112 60202.000

Method: EPA3 File: it102609ml
SampleId1: ICVV SampleId2:
Analysis commenced: 10/26/2009 4:07:21 PM
Dilution ratio: 1.00000 to 1.00000

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.841 0.262 0.424 0.406 1.342 0.770 7.787
#2 0.844 0.262 0.426 1.417 1.350 0.775 7.801
#3 0.843 0.264 0.427 1.429 1.357 0.781 7.924

Printed: 10/27/2009 8:12:41 AM User: Accutest
#3 1.172 2.230 0.954 0.000 0.000 1.452 2.019
#4 1.179 2.235 0.961 0.000 0.000 1.411 2.035
Mean 1.168 2.220 0.948 0.000 0.000 1.428 2.014
%RSD 0.815 0.799 1.265 10.632 6.567 1.455 0.870

Final concentrations table with columns for element (ppm), intensity (ppm), and reading (ppm) for various elements like Pb, Cd, Cu, Zn, Ni, Mn, Fe, Al, Si, Ba, Ag, Sn, Pb, Se, V, Be.

IS ratioed intensities table with columns for element, reading, and intensity for various elements.

Final concentrations table for elements like Ni, Mn, Fe, Al, Si, Ba, Ag, Sn, Pb, Se, V, Be.

IS ratioed intensities table for elements like Ni, Mn, Fe, Al, Si, Ba, Ag, Sn, Pb, Se, V, Be.

Final concentrations table for elements like Ni, Mn, Fe, Al, Si, Ba, Ag, Sn, Pb, Se, V, Be.

IS ratioed intensities table for elements like Ni, Mn, Fe, Al, Si, Ba, Ag, Sn, Pb, Se, V, Be.

Final concentrations table for elements like Ni, Mn, Fe, Al, Si, Ba, Ag, Sn, Pb, Se, V, Be.

IS ratioed intensities table for elements like Ni, Mn, Fe, Al, Si, Ba, Ag, Sn, Pb, Se, V, Be.

Method: EPA3 File: it102609ml Printed: 10/27/2009 8:12:41 AM
SampleId1: PCB SampleId2: [FLXQC]
Analysis commenced: 10/26/2009 4:14:32 PM
Dilution ratio: 1.00000 to 1.00000

Final concentrations table for elements like K, Zn, Co, Cr, Mg, V, Be.

IS ratioed intensities table for elements like K, Zn, Co, Cr, Mg, V, Be.

Final concentrations table for elements like Cu, Na, Pd, As, Tl, Sb, Cd.

IS ratioed intensities table for elements like Cu, Na, Pd, As, Tl, Sb, Cd.

Final concentrations table for elements like Ni, Ba, Ag, Ca, Al, Si, Fe.

IS ratioed intensities table for elements like Ni, Ba, Ag, Ca, Al, Si, Fe.

Final concentrations table for elements like Mn, Mo, Sn, Pb, Se, V, Be.

IS ratioed intensities table for elements like Mn, Mo, Sn, Pb, Se, V, Be.

Printed: 10/27/2009 8:12:41 AM User: Accutest
#3 0.000 0.002 -0.011 0.000 0.000 0.030 -0.113
#4 0.000 0.004 -0.009 0.000 0.000 0.033 -0.099
Mean 0.000 0.003 -0.011 0.000 0.000 0.033 -0.108
%RSD 10.404 23.173 11.423 0.133 0.133 10.634 5.680

Final concentrations table with columns for element (ppm), intensity (ppm), and reading (ppm) for various elements like Pb, Cd, Cu, Zn, Ni, Mn, Fe, Al, Si, Ba, Ag, Sn, Pb, Se, V, Be.

IS ratioed intensities table with columns for element, reading, and intensity for various elements.

Final concentrations table for elements like Ni, Mn, Fe, Al, Si, Ba, Ag, Sn, Pb, Se, V, Be.

IS ratioed intensities table for elements like Ni, Mn, Fe, Al, Si, Ba, Ag, Sn, Pb, Se, V, Be.

Final concentrations table for elements like Ni, Mn, Fe, Al, Si, Ba, Ag, Sn, Pb, Se, V, Be.

IS ratioed intensities table for elements like Ni, Mn, Fe, Al, Si, Ba, Ag, Sn, Pb, Se, V, Be.

Final concentrations table for elements like Ni, Mn, Fe, Al, Si, Ba, Ag, Sn, Pb, Se, V, Be.

IS ratioed intensities table for elements like Ni, Mn, Fe, Al, Si, Ba, Ag, Sn, Pb, Se, V, Be.

Method: EPA3 File: it102609ml Printed: 10/27/2009 8:12:41 AM
SampleId1: ICSA SampleId2: [FLXQC]
Analysis commenced: 10/26/2009 4:22:00 PM
Dilution ratio: 1.00000 to 1.00000

Final concentrations table for elements like K, Zn, Co, Cr, Mg, V, Be.

IS ratioed intensities table for elements like K, Zn, Co, Cr, Mg, V, Be.

Final concentrations table for elements like Cu, Na, Pd, As, Tl, Sb, Cd.

IS ratioed intensities table for elements like Cu, Na, Pd, As, Tl, Sb, Cd.

Final concentrations table for elements like Ni, Ba, Ag, Ca, Al, Si, Fe.

IS ratioed intensities table for elements like Ni, Ba, Ag, Ca, Al, Si, Fe.

Final concentrations table for elements like Mn, Mo, Sn, Pb, Se, V, Be.

IS ratioed intensities table for elements like Mn, Mo, Sn, Pb, Se, V, Be.



Printed: 10/27/2009 8:12:42 AM User: Accutest
#1 1.92841 1.93663 1.98104 2.06440 2.04967 2.06741 2.01420
#2 1.93835 1.94737 1.99534 2.05561 2.04394 2.06003 2.01174
#3 1.94034 1.95403 1.99887 2.05285 2.04454 2.06776 1.99809
Mean 1.93570 1.94601 1.99175 2.05762 2.04605 2.06507 2.00801
%RSD 0.33021 0.45100 0.47390 0.29313 0.15408 0.21121 0.43210

IS ratioed intensities
Reading Reading Reading
#1 3.268 4.692 56486.000
#2 3.257 4.666 56943.000
#3 3.266 4.620 56864.000
Mean 3.264 4.659 56764.333
%RSD 0.188 0.778 0.430

Final concentrations
ppm ppm intensity
#1 2.09187 2.00985 -2787.14
#2 2.08427 1.99829 -2787.10
#3 2.09031 1.97794 -2792.03
Mean 2.08875 1.99536 -2782.09
%RSD 0.18869 0.80967 0.47

Method: EPA3 File: it102609ml
SampleId: CCB SampleID:
Analysis commenced: 10/26/2009 4:40:55 PM
Dilution ratio: 1.00000 to 1.00000

K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.064 -0.002 -0.001 0.000 0.001 0.000 0.002
#2 0.065 -0.001 0.000 0.001 0.001 0.000 0.002
#3 0.066 -0.001 -0.001 0.000 0.000 0.000 0.002
Mean 0.065 -0.001 -0.001 0.001 0.001 0.000 0.002
%RSD 1.298 25.595 31.684 69.575 21.956 194.947 3.026

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 1.14390 -0.00143 -0.00153 -0.00066 0.00795 -0.00127 0.00007
#2 1.16498 -0.00055 -0.00045 0.00045 0.01897 0.00015 0.00011
#3 1.17067 -0.00027 -0.00119 -0.00038 0.01306 -0.00060 0.00011
Mean 1.15985 -0.00075 -0.00091 -0.00020 0.01333 -0.00057 0.00010
%RSD 21.2598 80.78933 88.08199 291.87750 41.36820 124.06340 26.75281

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.003 0.017 -0.002 -0.007 -0.026 0.005 0.001
#2 0.003 0.019 -0.001 -0.004 -0.022 0.008 0.002
#3 0.003 0.018 -0.002 -0.005 -0.025 0.006 0.001
Mean 0.003 0.018 -0.002 -0.005 -0.024 0.006 0.001
%RSD 5.196 4.340 21.890 30.989 8.655 18.573 30.231

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 -0.00027 0.59236 -0.00488 -0.00751 -0.00673 -0.01560 -0.00004
#2 0.00039 0.83341 -0.00147 -0.00300 -0.00110 -0.00929 0.00017
#3 0.00043 0.69171 -0.00325 -0.00535 -0.00576 -0.01406 0.00006
Mean 0.00049 0.70583 -0.00229 -0.00453 -0.00429 -0.01299 0.00008
%RSD 210.30879 17.16367 53.24466 42.69948 66.49261 25.33029 166.00349

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 -0.002 0.000 -0.014 0.002 0.009 0.030 0.000
#2 -0.001 0.000 -0.013 0.002 0.009 0.031 0.000
#3 -0.002 0.000 -0.014 0.003 0.009 0.030 0.000
Mean -0.002 0.000 -0.014 0.002 0.009 0.030 0.000
%RSD 18.898 24.063 4.214 10.580 2.081 1.515 43.896

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 -0.00042 0.00000 -0.00139 0.01524 -0.00807 -0.04608 0.00095
#2 0.00097 0.00015 -0.00053 0.01845 0.01897 -0.04170 0.01593
#3 -0.00042 0.00009 -0.00149 0.02247 0.00053 -0.04412 0.00961
Mean 0.00001 0.00008 -0.00114 0.01885 -0.00211 -0.04397 0.00883
%RSD 6836.20308 84.78314 46.38222 19.18357 245.18263 4.99606 85.14931

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.000 0.003 -0.011 0.000 0.000 0.037 -0.103
#2 0.000 0.004 -0.010 0.000 0.000 0.015 -0.105
#3 0.000 0.003 -0.012 0.000 0.000 0.036 -0.091
Mean 0.000 0.003 -0.011 0.000 0.000 0.036 -0.100
%RSD 16.209 18.269 9.526 0.833 0.833 3.180 7.674

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 -0.00042 0.00000 -0.00139 0.01524 -0.00807 -0.04608 0.00095
#2 0.00097 0.00015 -0.00053 0.01845 0.01897 -0.04170 0.01593
#3 -0.00042 0.00009 -0.00149 0.02247 0.00053 -0.04412 0.00961
Mean 0.00001 0.00008 -0.00114 0.01885 -0.00211 -0.04397 0.00883
%RSD 6836.20308 84.78314 46.38222 19.18357 245.18263 4.99606 85.14931

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.004 0.017 -0.001 -0.004 -0.023 0.009 0.002
#2 0.004 0.018 -0.001 -0.003 -0.019 0.011 0.005
#3 0.004 0.017 -0.001 -0.003 -0.022 0.010 0.003
Mean 0.004 0.017 -0.001 -0.003 -0.021 0.010 0.003
%RSD 3.578 3.123 17.401 13.164 8.508 6.934 44.136

Printed: 10/27/2009 8:12:42 AM User: Accutest
#1 0.00002 -0.00025 -0.00477 0.00272 0.00389 0.01221 -0.01276
#2 0.00019 0.00057 -0.00188 0.00016 0.00103 0.00892 -0.01475
#3 0.00014 -0.00048 -0.00620 0.00542 0.00627 0.00996 -0.01111
Mean 0.00012 -0.00005 -0.00428 0.00276 0.00373 0.01036 -0.00954
%RSD 75.78615 1033.36100 51.38591 95.19939 70.37081 16.26841 77.22758

IS ratioed intensities
Reading Reading Reading
#1 0.028 0.118 60713.000
#2 0.021 0.123 60300.000
#3 0.022 0.152 59716.000
Mean 0.024 0.131 60243.000
%RSD 17.075 14.609 0.832

Final concentrations
ppm ppm intensity
#1 0.00809 -0.00803 6.67
#2 0.00310 -0.00574 2.62
#3 0.00424 0.00776 8.66
Mean 0.00515 -0.00200 5.98
%RSD 50.61054 425.89373 51.39

Method: EPA3 File: it102609ml
SampleId: mp50203-mbl SampleID: 2
Analysis commenced: 10/26/2009 4:48:01 PM
Dilution ratio: 1.00000 to 1.00000

K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.063 0.000 0.000 0.001 0.001 0.000 0.002
#2 0.064 0.001 0.000 0.001 0.002 0.000 0.003
#3 0.063 0.001 0.000 0.001 0.002 0.000 0.002
Mean 0.063 0.001 0.000 0.001 0.002 0.000 0.002
%RSD 0.710 66.136 34.114 18.651 31.293 21.705 16.427

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 1.12482 0.00182 0.00006 0.00021 0.02386 -0.00001 0.00010
#2 1.13824 0.00283 0.00084 0.00074 0.05652 0.00050 0.00043
#3 1.12569 0.00269 0.00053 0.00036 0.04997 0.00024 0.00037
Mean 1.12958 0.00244 0.00048 0.00043 0.04345 0.00024 0.00030
%RSD 0.66488 22.39413 81.63924 62.90314 39.76836 106.26073 59.15275

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.004 0.017 -0.001 -0.004 -0.023 0.009 0.002
#2 0.004 0.018 -0.001 -0.003 -0.019 0.011 0.005
#3 0.004 0.017 -0.001 -0.003 -0.022 0.010 0.003
Mean 0.004 0.017 -0.001 -0.003 -0.021 0.010 0.003
%RSD 3.578 3.123 17.401 13.164 8.508 6.934 44.136

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.00108 0.00078 0.00008 0.03908 0.01677 -0.04041 0.00758
#2 0.00184 0.00090 0.00062 0.06071 0.04991 -0.03842 0.03213
#3 0.00159 0.00076 0.00020 0.05823 0.04333 -0.03900 0.02722
Mean 0.00150 0.00081 0.00030 0.05268 0.03667 -0.03957 0.02231
%RSD 25.87373 9.66257 95.54709 22.47301 47.84036 2.61254 58.23561

Printed: 10/27/2009 8:12:42 AM User: Accutest
#1 0.00025 0.00038 0.00251 -0.00233 0.00206 -0.00118 0.00855
#2 0.00053 0.00156 0.00356 -0.00468 -0.00248 -0.00114 -0.00515
#3 0.00044 0.00095 0.00340 0.00014 0.00268 0.00142 0.00521
Mean 0.00041 0.00096 0.00316 -0.00229 0.00076 -0.00030 0.00287
%RSD 35.75813 61.21763 17.87895 105.32727 373.06627 492.32439 248.72875

IS ratioed intensities
Reading Reading
#1 0.007 0.146 60032.000
#2 0.011 0.119 59717.000
#3 0.014 0.143 60046.000
Mean 0.010 0.136 59931.667
%RSD 33.848 10.974 0.310

Method: EPA3 File: it102609ml
SampleId1: mp50221-mb1 SampleId2: 1
Analysis commenced: 10/26/2009 4:54:08 PM
Dilution ratio: 1.00000 to 1.00000

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.064 0.000 0.000 0.001 0.001 0.000 0.002
#2 0.064 0.000 0.000 0.001 0.001 0.000 0.002
#3 0.063 0.000 0.000 0.001 0.001 0.000 0.002
Mean 0.063 0.000 0.000 0.001 0.001 0.000 0.002
%RSD 0.400 26.661 18.199 15.422 9.422 24.482 3.170

6.1 6

#1 0.00023 0.00214 0.00547 -0.00156 -0.00188 -0.00799 0.01034
#2 0.00020 0.00206 0.00408 0.00355 0.00306 0.00237 0.00444
#3 0.00028 0.00161 0.00377 -0.00269 -0.00257 -0.00136 -0.00500
Mean 0.00024 0.00194 0.00444 0.00444 -0.00233 -0.00233 0.00326
%RSD 18.23729 14.75380 20.38237 1416.61889 663.89762 225.51792 237.11921

IS ratioed intensities
Reading Reading
#1 0.000 0.171 59340.000
#2 0.017 0.157 59357.000
#3 0.010 0.135 59402.000
Mean 0.009 0.154 59366.333
%RSD 97.016 11.884 0.054

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.564 0.231 0.310 0.328 0.181 0.098 1.016
#2 0.553 0.229 0.098 0.322 0.178 0.096 1.000
#3 0.553 0.226 0.098 0.320 0.177 0.096 0.996
Mean 0.557 0.229 0.099 0.323 0.179 0.097 1.004
%RSD 1.126 0.943 1.195 1.229 1.149 1.211 1.088

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.210 0.075 -0.001 0.322 0.291 0.189 1.828
#2 0.206 0.075 -0.001 0.319 0.292 0.186 1.801
#3 0.206 0.073 -0.001 0.316 0.286 0.185 1.790
Mean 0.207 0.074 -0.001 0.319 0.290 0.187 1.806
%RSD 1.291 1.037 38.082 1.013 1.070 1.057 1.075

Printed: 10/27/2009 8:12:42 AM User: Accutest
#1 0.47228 0.45612 -0.00329 0.49313 0.47738 0.49728 0.43759
#2 0.46452 0.44821 -0.00118 0.48881 0.47275 0.49026 0.43774
#3 0.46294 0.44655 -0.00477 0.48344 0.46612 0.48846 0.42144
Mean 0.46658 0.45029 -0.00308 0.48846 0.47209 0.49200 0.43226
%RSD 1.07181 1.13637 58.60471 0.99314 1.19896 0.94691 2.16794

IS ratioed intensities
Reading Reading Reading
#1 0.800 1.191 54746.000
#2 0.789 1.194 55876.000
#3 0.786 1.167 55959.000
Mean 0.791 1.184 55539.000
%RSD 0.945 1.263 1.241

Final concentrations
ppm ppm intensity
#1 0.50326 0.47285 4.60
#2 0.49608 0.47426 1.64
#3 0.49415 0.46203 6.66
Mean 0.49783 0.46971 4.30
%RSD 0.96511 1.42409 58.60

Method: EPA3 File: it102609ml
SampleId1: mp50221-e1 SampleId2:
Analysis commenced: 10/26/2009 5:06:22 PM
Dilution ratio: 1.00000 to 1.00000

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 8.464 0.227 0.100 0.142 5.124 0.096 0.104
#2 8.472 0.228 0.100 0.142 5.140 0.096 0.105
#3 8.477 0.224 0.100 0.140 5.114 0.096 0.104
Mean 8.471 0.227 0.100 0.141 5.125 0.096 0.104
%RSD 0.079 0.830 0.299 0.815 0.274 0.451 0.456

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 140.67570 0.45487 0.46644 0.20949 146.10320 0.48214 0.04856
#2 140.81207 0.45672 0.46711 0.20922 146.53833 0.48324 0.04868
#3 140.90133 0.44947 0.46443 0.20677 145.73814 0.47904 0.04824
Mean 140.79636 0.45369 0.46600 0.20873 146.12655 0.48147 0.04850
%RSD 0.08071 0.83085 0.29918 0.81845 0.27415 0.45299 0.46347

Printed: 10/27/2009 8:12:43 AM User: Accutest
#1 0.47493 0.01028 -0.00084 0.48595 2.15575 2.17553 2.11621
#2 0.47695 0.00977 -0.00241 0.49401 2.16720 2.18686 2.12786
#3 0.47385 0.00811 -0.00487 0.49326 2.16938 2.18930 2.12955
Mean 0.47524 0.00938 -0.00271 0.49108 2.16411 2.18390 2.12453
%RSD 0.33110 12.09739 74.98058 0.90632 0.33815 0.33660 0.34165

IS ratioed intensities
Reading Reading Reading
#1 0.791 1.205 46470.000
#2 0.806 1.216 46333.000
#3 0.804 1.216 46550.000
Mean 0.800 1.212 46451.000
%RSD 1.024 0.537 0.236

Final concentrations
ppm ppm intensity
#1 0.53253 0.39281 1.18
#2 0.54200 0.39763 3.36
#3 0.54089 0.39799 6.80
Mean 0.53854 0.39615 3.78
%RSD 0.97487 0.73003 74.98

Method: EPA3 File: it102609ml
SampleId1: mp50221-e2 SampleId2:
Analysis commenced: 10/26/2009 5:12:29 PM
Dilution ratio: 1.00000 to 1.00000

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 8.572 0.223 0.100 0.141 5.047 0.096 0.104
#2 8.567 0.224 0.100 0.142 5.062 0.096 0.104
#3 8.530 0.225 0.100 0.142 5.071 0.097 0.104
Mean 8.536 0.224 0.100 0.142 5.060 0.096 0.104
%RSD 0.269 0.338 0.277 0.104 0.248 0.234 0.206

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 142.48474 0.44653 0.46416 0.20885 143.89050 0.48281 0.04837
#2 142.40111 0.44794 0.46466 0.20912 144.33621 0.48321 0.04850
#3 141.79667 0.44957 0.46660 0.20928 144.59784 0.48448 0.04858
Mean 142.22184 0.44801 0.46514 0.20908 144.27485 0.48320 0.04848
%RSD 0.27085 0.33904 0.27746 0.10537 0.24789 0.23527 0.21002

Printed: 10/27/2009 8:12:43 AM User: Accutest
#1 0.47553 0.01055 0.00573 0.48573 2.15801 2.16774 2.13855
#2 0.47633 0.01024 0.00387 0.48865 2.15597 2.17473 2.11847
#3 0.47652 0.01037 0.00353 0.48993 2.16435 2.18278 2.12748
Mean 0.47613 0.01039 0.00438 0.48810 2.15944 2.17508 2.12816
%RSD 0.11061 1.51738 27.14917 0.44081 0.20218 0.34589 0.47260

IS ratioed intensities
Reading Reading Reading
#1 0.794 1.222 45232.000
#2 0.795 1.211 45103.000
#3 0.794 1.221 45315.000
Mean 0.791 1.218 45216.667
%RSD 0.760 0.503 0.236

Final concentrations
ppm ppm intensity
#1 0.52766 0.40187 -8.01
#2 0.53463 0.39667 -5.40
#3 0.53438 0.40103 -4.93
Mean 0.53223 0.39986 -6.11
%RSD 0.74261 0.69741 27.15

Method: EPA3 File: it102609ml
SampleId1: ja31255-2 SampleId2:
Analysis commenced: 10/26/2009 5:18:36 PM
Dilution ratio: 1.00000 to 1.00000

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 6.166 0.003 0.000 0.015 4.090 0.000 0.002
#2 5.980 0.005 0.002 0.019 4.244 0.002 0.003
#3 5.964 0.005 0.001 0.023 4.232 0.003 0.003
Mean 6.037 0.004 0.001 0.018 4.185 0.001 0.002
%RSD 1.862 31.639 106.078 14.111 1.986 57.727 14.309

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 102.40037 0.00540 0.00037 0.02183 116.60845 0.00155 0.00016
#2 99.28117 0.00558 0.00037 0.02800 120.99159 0.00097 0.00044
#3 99.00896 0.01000 0.00077 0.02879 120.36281 0.00894 0.00042
Mean 100.23017 0.00854 0.00557 0.02621 119.32095 0.00652 0.00034
%RSD 1.88005 31.91947 81.15814 14.53555 1.98627 66.00145 46.77551

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.005 16.067 -0.001 0.000 -0.026 0.014 0.001
#2 0.007 15.796 0.004 0.008 -0.016 0.020 0.009
#3 0.007 15.759 0.004 0.007 -0.015 0.019 0.008
Mean 0.006 15.874 0.002 0.005 -0.019 0.018 0.006
%RSD 15.551 1.061 119.814 78.996 32.124 17.650 67.280

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.00416 2498.97764 -0.00025 0.00589 -0.01466 0.00719 0.00065
#2 0.00828 2456.76541 0.02296 0.01633 -0.00015 0.02242 0.00270
#3 0.00790 2450.91032 0.02188 0.01525 0.00069 0.02147 0.00248
Mean 0.00678 2468.88446 0.01486 0.01449 -0.00473 0.02143 0.00194
%RSD 33.56954 1.06224 88.15689 45.98786 183.38217 50.12928 58.00514

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 -0.001 0.052 -0.013 31.752 0.012 1.489 0.001
#2 0.002 0.052 -0.004 32.911 0.013 1.499 0.003
#3 0.002 0.052 -0.004 32.675 0.013 1.490 0.003
Mean 0.001 0.052 -0.007 32.448 0.013 1.492 0.002
%RSD 134.381 0.153 72.997 1.888 3.416 0.375 62.656

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.00574 0.03749 0.00023 440.91486 0.02178 6.99218 0.08755
#2 0.01134 0.03751 0.00552 457.01626 0.04397 7.03993 0.09047
#3 0.01121 0.03740 0.00809 453.73359 0.03775 6.99482 0.23163
Mean 0.00943 0.03747 0.00561 450.55490 0.03450 7.00898 0.18463
%RSD 33.86068 0.15478 83.13305 1.88841 33.18265 0.38293 45.54334

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.010 0.012 -0.010 0.000 0.000 0.038 0.000
#2 0.010 0.016 -0.004 0.000 0.000 0.047 0.002
#3 0.010 0.016 -0.005 0.000 0.000 0.059 0.000
Mean 0.010 0.015 -0.006 0.000 0.000 0.048 -0.082
%RSD 3.534 15.942 48.381 1.490 3.571 21.572 34.430

Printed: 10/27/2009 8:12:43 AM User: Accutest
#1 0.01711 0.00915 -0.00097 -0.00268 0.00070 0.00271 -0.00331
#2 0.01814 0.01303 0.01090 0.02760 0.02632 0.01567 0.04761
#3 0.01823 0.01247 0.01011 0.03860 0.03534 0.03305 0.03993
Mean 0.01783 0.01155 0.00668 0.02117 0.02079 0.01714 0.02808
%RSD 3.51229 18.15914 99.33364 100.96042 86.45526 88.81578 97.77921

IS ratioed intensities
Reading Reading Reading
#1 0.016 0.158 44707.000
#2 0.049 0.265 47466.000
#3 0.078 0.255 47591.000
Mean 0.048 0.226 46588.000
%RSD 65.502 26.238 3.499

Final concentrations
ppm ppm intensity
#1 0.03146 -0.07095 1.35
#2 0.05398 -0.02517 -15.22
#3 0.07253 -0.02925 -14.12
Mean 0.05265 -0.04179 -9.33
%RSD 39.06136 60.63268 99.33

Method: EPA3 File: it102609ml
SampleId1: mp50221-sd1 SampleId2:
Analysis commenced: 10/26/2009 5:24:43 PM
Dilution ratio: 1.00000 to 5.00000

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.908 0.009 0.000 0.004 0.875 0.002 0.002
#2 0.914 0.008 0.000 0.003 0.872 0.000 0.002
#3 0.910 0.008 0.000 0.004 0.877 0.001 0.002
Mean 0.910 0.008 0.000 0.004 0.875 0.000 0.002
%RSD 0.315 4.216 193.473 9.192 0.282 29.562 1.286

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 75.53639 0.09185 0.00820 0.02479 124.64367 0.00783 0.00004
#2 76.00004 0.08534 0.00199 0.02067 124.26029 0.00250 0.00010
#3 75.65684 0.09082 0.00778 0.02553 124.96207 0.00825 0.00001
Mean 75.73109 0.08934 0.00599 0.02366 124.62201 0.00619 0.00004
%RSD 0.31767 3.91592 57.88635 11.05937 0.28197 51.75143 128.97409

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.005 2.427 0.000 0.000 -0.021 0.014 0.003
#2 0.004 2.444 -0.001 -0.004 -0.024 0.011 0.001
#3 0.005 2.439 0.000 -0.002 -0.020 0.012 0.003
Mean 0.005 2.437 -0.001 -0.002 -0.022 0.013 0.002
%RSD 4.515 0.359 69.322 87.302 9.192 9.745 40.954

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.01620 1878.29332 0.01634 0.01194 -0.00663 0.03526 0.00280
#2 0.01289 1891.53589 -0.00024 -0.01302 -0.02988 0.00165 0.00085
#3 0.01753 1887.64363 0.01282 -0.00076 -0.00386 0.01747 0.00324
Mean 0.01554 1885.82428 0.00964 -0.00062 -0.01345 0.01813 0.00230
%RSD 15.36136 0.36091 90.57587 2026.08220 106.23725 92.75294 55.49870

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 -0.001 0.011 0.000 0.013 0.009 0.311 0.001
#2 -0.001 0.011 -0.013 7.315 0.009 0.311 0.000
#3 0.000 0.011 -0.011 7.366 0.009 0.311 0.001
Mean -0.001 0.011 -0.012 7.348 0.009 0.311 0.001
%RSD 22.294 0.357 6.025 0.387 1.879 0.173 31.927

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.01626 0.03751 0.00588 511.18202 -0.01100 6.56960 0.19761
#2 0.01562 0.03723 0.00038 507.85831 -0.05755 6.54418 0.10387
#3 0.01841 0.03738 0.00605 511.36961 -0.04413 6.55571 0.19207
Mean 0.01676 0.03737 0.00410 510.13665 -0.03755 6.55649 0.16451
%RSD 8.71683 0.36890 78.60634 0.38722 63.80622 0.19416 31.96908

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.002 0.007 -0.007 0.000 0.000 0.029 -0.086
#2 0.002 0.005 -0.009 0.000 0.000 0.033 -0.098
#3 0.002 0.006 -0.008 0.000 0.000 0.034 -0.094
Mean 0.002 0.006 -0.008 0.000 0.000 0.032 -0.093
%RSD 2.200 13.860 15.056 5.772 0.224 9.722 6.375

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.01626 0.03751 0.00588 511.18202 -0.01100 6.56960 0.19761
#2 0.01562 0.03723 0.00038 507.85831 -0.05755 6.54418 0.10387
#3 0.01841 0.03738 0.00605 511.36961 -0.04413 6.55571 0.19207
Mean 0.01676 0.03737 0.00410 510.13665 -0.03755 6.55649 0.16451
%RSD 8.71683 0.36890 78.60634 0.38722 63.80622 0.19416 31.96908



Printed: 10/27/2009 8:12:43 AM User: Accutest
#1 0.01953 0.01748 0.02281 -0.00980 0.00248 -0.01606 0.03955
#2 0.01869 0.01000 -0.00399 0.00662 0.00748 0.01949 -0.01656
#3 0.01935 0.01516 0.01471 0.02724 0.01878 0.02708 0.00218
Mean 0.01919 0.01421 0.01184 0.00802 0.00958 0.01017 0.00839
%RSD 2.30939 26.94458 106.77075 231.46785 87.21023 226.42031 340.39743
2203/2 2203/1 INT STD
IS ratioed intensities
Reading Reading Reading
#1 0.012 0.139 56614.000
#2 0.021 0.136 56456.000
#3 0.030 0.138 56707.000
Mean 0.021 0.138 56592.333
%RSD 41.222 1.134 0.224
Final concentrations
ppm ppm intensity
#1 0.02502 -0.07946 -31.86
#2 0.05269 -0.08551 -2.78
#3 0.08106 -0.08040 -20.54
Mean 0.05292 -0.08179 -16.54
%RSD 52.93915 3.97912 106.77

Printed: 10/27/2009 8:12:43 AM User: Accutest
#1 0.04777 0.00498 -0.00421 -0.00458 0.00143 0.01640 -0.02850
#2 0.04813 0.00747 0.00047 -0.00516 0.00001 0.01078 -0.02154
#3 0.04684 0.00657 -0.00228 -0.00009 0.00594 0.01879 -0.01974
Mean 0.04758 0.00634 -0.00201 -0.00328 0.00246 0.01532 -0.02326
%RSD 13.99770 19.84558 117.27463 84.64986 125.96762 26.84497 19.88939
2203/2 2203/1 INT STD
IS ratioed intensities
Reading Reading Reading
#1 0.032 0.122 45732.000
#2 0.023 0.143 45604.000
#3 0.036 0.140 46598.000
Mean 0.030 0.135 45978.000
%RSD 20.713 8.405 1.176
Final concentrations
ppm ppm intensity
#1 0.02934 -0.07242 5.88
#2 0.02387 -0.06323 -0.66
#3 0.03122 -0.06271 3.19
Mean 0.02815 -0.06612 2.80
%RSD 13.55595 8.26590 117.27

Method: EPA3 File: it102609ml SampleId1: ja31255-1 SampleId2:
Analysis commenced: 10/26/2009 5:30:51 PM
Dilution ratio: 1.00000 to 1.00000
K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 5.631 0.001 0.000 2.929 5.051 0.000 0.002
#2 5.634 0.001 0.000 2.955 5.084 0.000 0.002
#3 5.494 0.001 0.000 2.973 5.049 0.000 0.002
Mean 5.583 0.001 0.000 2.919 5.028 0.000 0.002
%RSD 1.532 4.741 251.411 1.438 1.395 18.867 2.229
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 93.77380 0.00848 0.00052 4.33943 143.99237 0.00507 0.00005
#2 93.81902 0.00844 0.00055 4.37799 144.94301 0.00514 0.00006
#3 91.33140 0.00818 0.00144 4.25625 141.10381 0.00572 0.00002
Mean 92.97474 0.00837 0.00120 4.32456 143.34640 0.00538 0.00004
%RSD 1.53090 1.95565 50.12715 1.43875 1.39484 6.04079 44.30913
Cu3247 Na3302 Pd3404 As1890 Tl1908 Sb2068 Cd2265
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.005 18.826 -0.002 -0.023 -0.031 0.014 0.002
#2 0.006 18.869 -0.001 -0.023 -0.028 0.017 0.002
#3 0.006 18.391 -0.001 -0.021 -0.029 0.015 0.002
Mean 0.006 18.695 -0.001 -0.023 -0.029 0.015 0.002
%RSD 1.894 1.413 14.605 4.724 5.334 8.733 14.257
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.00470 2927.92569 -0.00309 -0.00021 -0.01532 -0.00393 0.00032
#2 0.00478 2934.48816 -0.00213 0.00068 -0.01085 -0.00327 0.00030
#3 0.00517 2860.24033 -0.00132 0.00204 -0.01302 -0.00022 0.00044
Mean 0.00489 2907.55139 -0.00083 0.00083 -0.01306 -0.00030 0.00045
%RSD 5.10268 1.41369 40.69549 135.78984 17.11240 1218.60225 22.17282
Ni2316 Ba4934 Ag3280 Ca3179 Al3082 Si2881 Fe2714
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.000 0.059 -0.012 12.696 0.089 1.671 0.038
#2 0.001 0.059 -0.012 12.810 0.088 1.664 0.039
#3 0.000 0.057 -0.012 12.464 0.086 1.623 0.038
Mean 0.000 0.058 -0.012 12.457 0.088 1.633 0.038
%RSD 179.790 1.406 2.799 1.393 1.700 1.565 1.078
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.00512 0.04230 0.00038 176.27181 2.10538 7.92200 2.24087
#2 0.00711 0.04230 0.00095 177.85156 2.08313 7.89102 2.26304
#3 0.00637 0.04127 0.00086 173.04785 2.02837 7.69083 2.21438
Mean 0.00620 0.04196 0.00073 175.72374 2.07229 7.83462 2.23943
%RSD 16.27842 1.41403 41.67175 1.39327 1.71258 1.60167 1.08786
Mn2576 Mo2020 Sn1899 Pb2203 Se1960 1960/2 1960/1
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.028 0.008 -0.012 0.000 0.000 0.042 -0.130
#2 0.029 0.011 -0.010 0.000 0.000 0.038 -0.123
#3 0.028 0.010 -0.011 0.000 0.000 0.044 -0.120
Mean 0.028 0.010 -0.011 0.000 0.000 0.041 -0.124
%RSD 1.388 14.553 10.299 1.169 1.169 6.715 3.921
Final concentrations
ppm ppm ppm ppm ppm ppm ppm

Method: EPA3 File: it102609ml SampleId1: CCV SampleId2:
Analysis commenced: 10/26/2009 5:36:58 PM
Dilution ratio: 1.00000 to 1.00000
K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 2.299 1.020 0.433 1.365 1.459 0.412 3.310
#2 2.282 1.001 0.428 1.344 1.438 0.406 4.259
#3 2.287 0.985 0.424 1.336 1.427 0.404 4.226
Mean 2.289 1.002 0.429 1.348 1.443 0.407 4.271
%RSD 0.391 1.752 1.068 1.116 1.127 1.027 1.240
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 38.59655 2.05073 2.02545 2.02164 41.60686 2.07819 2.07355
#2 38.30552 2.01198 2.00133 1.99118 41.02054 2.04860 2.03988
#3 38.38555 1.98007 1.98283 1.97821 40.69210 2.03726 2.03886
Mean 38.42854 2.01433 2.00320 1.99701 41.10650 2.05468 2.04570
%RSD 0.39339 1.75195 1.06681 1.11648 1.12731 1.02854 1.24092
Cu3247 Na3302 Pd3404 As1890 Tl1908 Sb2068 Cd2265
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.843 0.266 0.426 1.431 1.361 0.774 8.059
#2 0.835 0.263 0.422 1.406 1.333 0.762 7.889
#3 0.835 0.261 0.421 1.398 1.325 0.756 7.814
Mean 0.838 0.264 0.423 1.411 1.340 0.764 7.921
%RSD 0.589 0.866 0.725 1.232 1.430 1.143 1.585
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 1.92981 40.43719 1.90484 2.01906 1.98708 2.11267 2.12660
#2 1.90992 40.00599 1.88504 1.98334 1.94610 2.08158 2.08163
#3 1.91050 39.71121 1.87860 1.97218 1.93479 2.06510 2.06198
Mean 1.91674 40.05146 1.88949 1.99153 1.95599 2.08645 2.09007
%RSD 0.50664 0.91162 0.72362 1.22959 1.40656 1.15778 1.58489
Ni2316 Ba4934 Ag3280 Ca3179 Al3082 Si2881 Fe2714
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.927 2.566 0.266 2.967 1.459 1.163 7.726
#2 0.914 2.545 0.263 2.967 1.445 1.150 0.715
#3 0.908 2.553 0.261 2.937 1.445 1.146 0.710
Mean 0.916 2.555 0.263 2.970 1.450 1.153 0.717
%RSD 1.075 0.396 0.912 1.350 0.562 0.789 1.162
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 2.05382 1.90955 0.25186 41.55112 39.09931 5.39628 40.80560
#2 2.02391 1.89458 0.24872 41.02340 38.71235 5.33219 40.18538
#3 2.01145 1.90058 0.24769 40.60791 38.72139 5.31266 39.85666
Mean 2.02973 1.90157 0.24942 41.06081 38.84435 5.34721 40.29255
%RSD 1.07292 0.39614 0.87062 1.15126 0.56854 0.81443 1.16336
Mn2576 Mo2020 Sn1899 Pb2203 Se1960 1960/2 1960/1
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 1.178 2.223 0.958 0.000 0.000 1.416 2.017
#2 1.161 2.197 0.942 0.000 0.000 1.411 2.000
#3 1.155 2.189 0.933 0.000 0.000 1.429 1.963
Mean 1.165 2.203 0.945 0.000 0.000 1.419 1.993
%RSD 1.007 0.821 1.340 8.959 0.240 0.667 1.395
Final concentrations
ppm ppm ppm ppm ppm ppm ppm

Printed: 10/27/2009 8:12:43 AM User: Accutest
#1 1.97526 1.97479 2.05284 2.10606 2.06187 2.07413 2.03735
#2 1.94744 1.95145 2.01773 2.10018 2.05122 2.06650 2.02067
#3 1.93726 1.94388 2.00008 2.10439 2.05703 2.09316 1.98477
Mean 1.95332 1.95671 2.02355 2.10354 2.05671 2.07793 2.01426
%RSD 1.00691 0.62333 1.32734 0.14412 0.25922 0.66068 1.33383

IS ratioed intensities
Reading Reading Reading
#1 3.336 4.778 57699.000
#2 3.330 4.755 57977.000
#3 3.365 4.684 57833.000
Mean 3.343 4.739 57836.333
%RSD 0.555 1.039 0.240

Final concentrations
ppm ppm intensity
#1 2.13491 2.04838 -2867.42
#2 2.13122 2.03811 -2818.38
#3 2.15337 2.00643 -2793.72
Mean 2.13983 2.03097 -2826.51
%RSD 0.55470 1.07666 1.33

Method: EPA3 File: it102609ml Printed: 10/27/2009 8:12:44 AM
SampleId: CCB SampleId: [FLXQC]
Analysis commenced: 10/26/2009 5:43:15 PM
Dilution ratio: 1.00000 to 1.00000

K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.065 -0.001 -0.001 0.000 0.000 0.001 0.001
#2 0.066 -0.001 0.000 0.001 0.001 0.001 0.002
#3 0.065 -0.001 0.000 0.001 0.001 0.001 0.002
Mean 0.065 -0.001 0.000 0.001 0.001 0.000 0.002
%RSD 0.442 21.837 41.883 33.743 41.862 9.194 4.627

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 1.16627 -0.00126 -0.00114 -0.00042 -0.00061 0.00537 -0.00003
#2 1.17554 -0.00023 0.00015 0.00015 0.00848 0.00641 0.00004
#3 1.16796 -0.00084 -0.00058 -0.00022 -0.00210 0.00578 -0.00002
Mean 1.16992 -0.00078 -0.00040 -0.00016 0.00192 0.00592 0.00000
%RSD 0.42196 66.83790 213.84623 178.78219 297.76831 10.70075 1368.22588

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.003 0.017 -0.002 -0.006 -0.011 0.018 0.001
#2 0.004 0.019 -0.001 -0.003 -0.009 0.019 0.003
#3 0.003 0.017 -0.002 -0.004 -0.011 0.018 0.002
Mean 0.003 0.017 -0.001 -0.004 -0.010 0.018 0.002
%RSD 5.070 6.271 31.065 30.690 11.051 4.979 30.336

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.00035 0.49460 -0.00306 -0.00636 0.01515 0.01804 0.00007
#2 0.00112 0.82283 0.00059 -0.00281 0.01749 0.02214 0.00039
#3 0.00052 0.58073 0.00213 -0.00342 0.01439 0.01764 0.00027
Mean 0.00066 0.63272 -0.00153 -0.00419 0.01560 0.01927 0.00041
%RSD 61.22144 26.89619 123.93235 45.26834 10.30896 12.92281 65.96191

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 -0.002 0.000 -0.013 0.003 0.008 0.031 0.000
#2 -0.001 0.000 -0.012 0.003 0.009 0.032 0.001
#3 -0.002 0.000 -0.013 0.003 0.008 0.031 0.000
Mean -0.002 0.000 -0.013 0.003 0.008 0.031 0.000
%RSD 26.381 18.691 5.742 2.774 1.785 2.426 49.100

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 -0.00060 0.00006 -0.00070 0.02226 -0.02297 -0.04212 0.00223
#2 0.00125 0.00016 0.00015 0.02222 -0.01603 -0.03641 0.02312
#3 -0.00040 0.00007 -0.00058 0.02047 -0.02327 -0.04315 0.01360
Mean 0.00009 0.00010 -0.00026 0.02165 -0.02076 -0.04056 0.01298
%RSD 1185.67429 55.30728 258.56135 4.71379 17.74625 8.95686 80.57286

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.000 0.010 -0.004 0.000 0.000 0.020 0.069
#2 0.000 0.010 -0.003 0.000 0.000 0.010 0.055
#3 0.000 0.009 -0.004 0.000 0.000 0.034 0.052
Mean 0.000 0.009 -0.004 0.000 0.000 0.028 0.059
%RSD 13.660 8.168 16.069 0.286 0.286 25.822 15.384

Final concentrations
ppm ppm ppm ppm ppm ppm ppm

Printed: 10/27/2009 8:12:44 AM User: Accutest
#1 0.00006 0.00541 0.00935 -0.00430 -0.00224 -0.01351 0.02031
#2 0.00020 0.00596 0.01198 0.01591 0.01247 0.00209 0.03322
#3 0.00009 0.00460 0.01049 0.02088 0.01688 0.00692 0.03680
Mean 0.00012 0.00533 0.01061 0.01083 0.00904 -0.00150 0.03011
%RSD 63.68394 12.88002 12.44357 123.17052 110.74877 712.51389 28.80976

IS ratioed intensities
Reading Reading Reading
#1 -0.023 0.219 58846.000
#2 0.017 0.239 59181.000
#3 0.023 0.255 59048.000
Mean 0.006 0.237 59025.000
%RSD 435.754 7.588 0.286

Final concentrations
ppm ppm intensity
#1 -0.02496 0.03701 -13.06
#2 0.00076 0.04619 -16.73
#3 0.00482 0.05301 -14.66
Mean -0.00646 0.04541 -14.82
%RSD 249.95295 17.66129 12.44

Method: EPA3 File: it102609ml Printed: 10/27/2009 8:12:44 AM
SampleId: j331256-1 SampleId: [SAMPLE]
Analysis commenced: 10/26/2009 5:49:33 PM
Dilution ratio: 1.00000 to 1.00000

K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 6.626 0.066 -0.001 2.342 7.406 21.002
#2 6.327 0.069 0.001 3.033 7.709 0.005 0.002
#3 6.301 0.070 0.001 3.045 7.717 0.005 0.003
Mean 6.418 0.066 0.000 3.007 7.633 0.005 0.002
%RSD 2.815 8.016 603.553 1.863 2.328 27.834 23.555

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 110.40424 0.12608 -0.00567 4.35896 211.17346 0.02185 -0.00016
#2 105.38317 0.14387 0.00549 4.49357 219.80508 0.03300 0.00024
#3 104.95324 0.14550 0.00643 4.51041 220.04022 0.03332 0.00026
Mean 106.91355 0.13848 0.00208 4.45432 217.06625 0.02939 0.00011
%RSD 2.83468 7.78151 323.17108 1.86356 2.32837 22.21927 208.08386

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.021 20.644 -0.009 -0.034 -0.019 0.018 -0.004
#2 0.023 20.005 -0.002 -0.020 -0.004 0.028 0.004
#3 0.023 19.971 -0.002 -0.020 -0.002 0.030 0.005
Mean 0.022 20.207 -0.004 -0.025 -0.009 0.026 0.002
%RSD 4.930 1.875 100.375 33.676 108.134 25.935 266.230

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.03952 3211.36208 -0.03634 -0.01517 -0.00115 0.00798 -0.00112
#2 0.04376 3111.81212 -0.00545 0.00637 0.01965 0.03616 0.00101
#3 0.04381 3106.61137 -0.00410 0.00598 0.02261 0.04152 0.00127
Mean 0.04236 3143.26186 -0.01529 -0.00094 0.01371 0.02855 0.00038
%RSD 5.80916 1.87811 119.24095 1309.72687 94.47418 63.09337 341.62378

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.009 0.152 -0.012 23.249 0.365 4.666 0.223
#2 0.013 0.148 -0.011 24.328 0.345 4.517 0.234
#3 0.013 0.148 -0.011 24.410 0.342 4.514 0.235
Mean 0.012 0.150 -0.016 23.996 0.351 4.566 0.231
%RSD 20.383 1.726 42.304 2.700 3.541 1.905 2.903

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.02673 0.11136 -0.00960 322.79119 9.47625 22.38398 12.91357
#2 0.03583 0.10808 0.00039 337.77646 8.93727 21.66346 13.54123
#3 0.03287 0.10786 0.00129 338.91218 8.86535 21.65063 13.55708
Mean 0.03295 0.10910 -0.00264 333.15994 9.09296 21.89933 13.33729
%RSD 16.34683 1.79682 228.83081 2.70067 3.67194 1.91679 2.75199

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.434 0.012 -0.009 0.000 0.000 0.021 -0.089
#2 0.444 0.020 -0.001 0.000 0.000 0.044 -0.065
#3 0.445 0.022 0.000 0.000 0.000 0.043 0.063
Mean 0.441 0.018 -0.004 0.000 0.000 0.036 -0.072
%RSD 1.392 28.404 141.359 26.000 4.230 35.786 19.991

Final concentrations
ppm ppm ppm ppm ppm ppm ppm

Printed: 10/27/2009 8:12:44 AM User: Accutest
#1 0.72807 0.00885 0.00178 -0.01696 -0.00118 -0.01219 0.02084
#2 0.74479 0.01590 0.01873 0.01444 0.02880 0.02210 0.04420
#3 0.74693 0.01748 0.02129 0.01951 0.02889 0.02017 0.04632
Mean 0.73993 0.01408 0.01393 0.00566 0.01884 0.00969 0.03712
%RSD 1.39584 32.66838 76.12494 348.77226 92.04407 195.61164 38.09337

IS ratioed intensities
Reading Reading Reading
#1 0.002 0.262 42271.000
#2 0.061 0.296 45512.000
#3 0.070 0.302 45375.000
Mean 0.044 0.286 44386.000
%RSD 83.888 7.588 4.130

Final concentrations
ppm ppm intensity
#1 0.02143 -0.09375 -2.48
#2 0.06059 -0.07784 -26.16
#3 0.06686 -0.07519 -29.74
Mean 0.04965 -0.08226 -19.46
%RSD 49.60417 12.20301 76.12

Method: EPA3 File: it102609ml Printed: 10/27/2009 8:12:44 AM
SampleId1: ja31256-2 SampleId2: [SAMPLE]
Analysis commenced: 10/26/2009 5:55:40 PM
Dilution ratio: 1.00000 to 1.00000

K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 4.987 0.005 0.000 0.017 3.662 0.000 0.002
#2 4.981 0.005 0.000 0.017 3.678 0.000 0.002
#3 4.992 0.005 0.000 0.016 3.668 0.000 0.002
Mean 4.987 0.005 0.000 0.017 3.668 0.000 0.002
%RSD 0.104 3.723 150.601 1.851 0.232 24.173 2.906

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 82.72575 0.01015 0.00181 0.02454 104.41217 0.00090 0.00016
#2 82.62719 0.01074 0.00221 0.02420 104.86418 0.00164 0.00011
#3 82.80316 0.01004 0.00120 0.02363 104.48473 0.00077 0.00011
Mean 82.71870 0.01031 0.00174 0.02412 104.58703 0.00110 0.00012
%RSD 0.10662 3.64583 29.03666 1.90697 0.23210 42.60087 22.16980

Cu3247 Na3302 Pd3404 As1890 Tl1908 Sb2068 Cd2265
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.005 17.690 -0.001 -0.002 -0.028 0.013 0.002
#2 0.005 17.701 -0.001 -0.003 -0.031 0.013 0.002
#3 0.005 17.697 -0.001 -0.003 -0.033 0.012 0.001
Mean 0.005 17.696 -0.001 -0.003 -0.031 0.013 0.002
%RSD 2.464 0.032 16.446 25.814 9.297 7.755 30.939

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.00334 2751.39302 0.00008 0.00257 -0.01740 0.00504 0.00080
#2 0.00378 2753.11761 0.00096 0.00077 -0.02268 0.00480 0.00081
#3 0.00326 2752.47990 -0.00027 0.00168 -0.02548 0.00024 0.00053
Mean 0.00346 2752.33017 0.00025 0.00187 -0.02185 0.00316 0.00041
%RSD 8.02661 0.03168 249.94615 53.85322 18.76088 80.59136 22.01492

Ni2316 Ba4934 Ag3280 Ca3179 Al3082 Si2881 Fe2714
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 -0.001 0.045 -0.012 30.849 0.012 0.868 0.001
#2 -0.001 0.045 -0.012 31.061 0.012 0.868 0.001
#3 -0.001 0.045 -0.012 30.776 0.011 0.866 0.001
Mean -0.001 0.045 -0.012 30.895 0.012 0.867 0.001
%RSD 6.145 0.077 2.786 0.480 1.664 0.229 8.551

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.00563 0.03186 0.00082 428.37681 0.01872 3.99367 0.03189
#2 0.00590 0.03161 0.00142 431.32627 0.01263 3.99091 0.02865
#3 0.00568 0.03182 0.00120 427.36111 0.00845 3.98355 0.02559
Mean 0.00570 0.03183 0.00115 429.02140 0.01360 3.98931 0.02871
%RSD 1.52478 0.08623 26.54743 0.48009 37.75744 0.13403 10.96711

Mn2576 Mo2020 Sn1899 Pb2203 Se1960
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.004 0.007 -0.010 0.000 0.000 0.040 -0.118
#2 0.004 0.007 -0.010 0.000 0.000 0.040 -0.117
#3 0.004 0.006 -0.011 0.000 0.000 0.041 -0.120
Mean 0.004 0.007 -0.011 0.000 0.000 0.040 -0.119
%RSD 0.134 9.790 6.506 0.362 0.362 1.068 1.146

Final concentrations
ppm ppm ppm ppm ppm ppm ppm

Printed: 10/27/2009 8:12:44 AM User: Accutest
#1 0.00812 0.00500 -0.00031 0.00070 0.00543 -0.00876
#2 0.00813 0.00513 -0.00179 0.00339 0.00120 0.00568 -0.00775
#3 0.00810 0.00403 -0.00407 0.00286 0.00095 0.00668 -0.01050
Mean 0.00812 0.00472 -0.00239 0.00186 0.00593 -0.00900
%RSD 0.17251 12.67784 61.52074 119.04485 26.41238 11.12467 15.47794

IS ratioed intensities
Reading Reading Reading
#1 0.020 0.131 46333.000
#2 0.025 0.143 46552.000
#3 0.027 0.135 46664.000
Mean 0.024 0.136 46516.333
%RSD 14.535 4.691 0.362

Final concentrations
ppm ppm intensity
#1 0.03304 -0.06813 1.83
#2 0.03648 -0.06279 2.51
#3 0.03729 -0.06598 5.68
Mean 0.03560 -0.06563 3.34
%RSD 6.32863 4.09415 61.52

Method: EPA3 File: it102609ml Printed: 10/27/2009 8:12:44 AM
SampleId1: mp50203-bl SampleId2: 2 [SAMPLE]
Analysis commenced: 10/26/2009 6:11:48 PM
Dilution ratio: 1.00000 to 1.00000

K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.746 0.449 0.136 0.253 0.414 0.203 0.203
#2 0.744 0.447 0.196 0.252 0.409 0.183 0.202
#3 0.742 0.450 0.196 0.253 0.410 0.184 0.203
Mean 0.744 0.449 0.196 0.253 0.410 0.184 0.203
%RSD 0.262 0.310 0.129 0.266 0.237 0.326 0.222

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 12.64115 0.90150 0.91307 0.37439 11.70692 0.94005 0.09529
#2 12.59899 0.89725 0.91077 0.37266 11.65284 0.93400 0.09487
#3 12.57620 0.90252 0.91153 0.37439 11.69070 0.93643 0.09512
Mean 12.60545 0.90042 0.91179 0.37381 11.68349 0.93683 0.09509
%RSD 0.26141 0.31058 0.12818 0.26669 0.23753 0.32535 0.22208

Cu3247 Na3302 Pd3404 As1890 Tl1908 Sb2068 Cd2265
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.203 0.088 -0.001 2.560 2.447 0.367 0.367
#2 0.202 0.088 -0.001 2.543 2.423 0.363 0.369
#3 0.202 0.089 -0.001 2.552 2.428 0.366 0.370
Mean 0.202 0.088 -0.001 2.552 2.433 0.366 0.369
%RSD 0.287 0.539 13.605 0.329 0.516 0.601 0.375

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.45813 12.34632 0.00049 3.58582 3.52967 0.98207 0.09538
#2 0.45554 12.36153 0.00073 3.56230 3.49528 0.97037 0.09580
#3 0.45627 12.47996 0.00169 3.57484 3.50339 0.97890 0.09611
Mean 0.45665 12.39594 0.00097 3.57432 3.50945 0.97711 0.09576
%RSD 0.29218 0.59022 65.12344 0.32918 0.51230 0.61892 0.38337

Ni2316 Ba4934 Ag3280 Ca3179 Al3082 Si2881 Fe2714
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.417 4.783 0.097 0.873 1.856 0.040 0.905
#2 0.417 4.738 0.097 0.871 1.847 0.040 0.900
#3 0.418 4.735 0.097 0.873 1.848 0.041 0.901
Mean 0.417 4.745 0.097 0.873 1.850 0.040 0.902
%RSD 0.249 0.331 0.273 0.361 0.278 1.313 0.266

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.92426 3.54676 0.09932 12.01975 49.65417 -0.00431 50.86712
#2 0.92444 3.52777 0.09910 11.98475 49.39787 -0.00452 50.60434
#3 0.92831 3.52549 0.09884 12.01336 49.43789 0.00001 50.69231
Mean 0.92567 3.53334 0.09909 12.00695 49.49664 -0.00294 50.71793
%RSD 0.24696 0.33059 0.24097 0.16075 0.27857 87.03409 0.26611

Mn2576 Mo2020 Sn1899 Pb2203 Se1960
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.544 0.004 0.002 0.000 0.000 2.530 3.649
#2 0.540 0.004 0.002 0.000 0.000 2.546 3.665
#3 0.542 0.005 0.002 0.000 0.000 2.544 3.604
Mean 0.542 0.004 0.002 0.000 0.000 2.540 3.639
%RSD 0.326 10.994 3.301 21.520 0.096 0.341 0.862

Final concentrations
ppm ppm ppm ppm ppm ppm ppm



Zoom In Zoom Out

Printed: 10/27/2009 8:12:44 AM User: Accutest

	#1	#2	#3	Mean	%RSD
	1.21758	0.00656	0.02599	1.07157	3.84319
	1.21440	0.00515	0.02421	1.05224	3.81361
	1.21535	0.00606	0.02157	1.07105	3.83589
	1.21577	0.00592	0.02392	1.06495	3.83089
	0.13427	12.08445	9.30685	1.03405	0.40224
	0.50093	0.20253			

2203/2 2203/1 INT STD

IS ratioed intensities

Reading	Reading	Reading
#1 1.686	2.612	59627.000
#2 1.645	2.599	59656.000
#3 1.683	2.617	59666.000
Mean 1.672	2.609	59649.667
%RSD 1.360	0.361	0.034

Final concentrations

ppm	ppm	intensity
#1 1.09257	1.02958	-36.31
#2 1.06636	1.02401	-33.81
#3 1.09050	1.03215	-30.13
Mean 1.08314	1.02858	-33.42
%RSD 1.34525	0.40456	9.31

Zoom In Zoom Out

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	#1	#2	#3	Mean	%RSD
	0.25943	0.00026	0.02002	0.08403	0.00937
	0.26161	0.00290	0.02468	0.07695	0.00525
	0.25974	0.00155	0.02262	0.08003	0.00284
	0.26026	0.00157	0.02244	0.08034	0.00582
	0.45198	84.03003	10.41594	4.42021	56.75644
				29.71616	123.66671

2203/2 2203/1 INT STD

IS ratioed intensities

Reading	Reading	Reading
#1 0.135	0.402	60634.000
#2 0.132	0.362	60868.000
#3 0.131	0.384	60841.000
Mean 0.133	0.383	60781.000
%RSD 1.241	5.302	0.211

Final concentrations

ppm	ppm	intensity
#1 0.08572	0.08066	-27.96
#2 0.08416	0.06253	-34.48
#3 0.08370	0.07270	-31.59
Mean 0.08453	0.07196	-31.34
%RSD 1.25531	12.62691	10.42

Zoom In Zoom Out

Method: EPA3 File: it102609ml

SampleId1: ja30199-1 SampleId2: [SAMPLE]

Analysis commenced: 10/26/2009 6:20:09 PM

Dilution ratio: 1.00000 to 1.00000

	K 7664	Zn2062	Co2286	Cr2677	Mg2790	V 2924	Be3130
IS ratioed intensities							
#1	0.244	0.044	0.003	0.066	0.261	0.021	0.003
#2	0.244	0.046	0.003	0.067	0.263	0.022	0.003
#3	0.244	0.045	0.003	0.066	0.262	0.022	0.003
Mean	0.244	0.045	0.003	0.066	0.262	0.022	0.003
%RSD	0.035	1.342	6.205	0.854	0.338	0.956	1.781

Final concentrations

ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1 4.23140	0.09065	0.01561	0.09613	7.44113	0.12357	0.00058	
#2 4.23055	0.09301	0.01740	0.09763	7.48701	0.12569	0.00664	
#3 4.22952	0.09137	0.01618	0.09624	7.44578	0.12405	0.00061	
Mean 4.23049	0.09168	0.01640	0.09667	7.45797	0.12444	0.00061	
%RSD 0.02216	1.32235	5.58744	0.86577	0.33857	0.89372	4.66284	

Zoom In Zoom Out

Method: EPA3 File: it102609ml

SampleId1: mp50203-sd1 SampleId2: [SAMPLE]

Analysis commenced: 10/26/2009 6:26:17 PM

Dilution ratio: 1.00000 to 5.00000

	K 7664	Zn2062	Co2286	Cr2677	Mg2790	V 2924	Be3130
IS ratioed intensities							
#1	0.100	0.009	0.001	0.014	0.052	0.004	0.002
#2	0.100	0.010	0.001	0.015	0.053	0.004	0.002
#3	0.100	0.009	0.001	0.014	0.052	0.004	0.002
Mean	0.100	0.009	0.001	0.014	0.052	0.004	0.002
%RSD	0.246	3.162	26.639	2.157	1.231	3.535	2.569

Final concentrations

ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1 8.79620	0.09872	0.02286	0.09918	7.33273	0.11611	0.00060	
#2 8.84018	0.10454	0.03352	0.10359	7.50238	0.12323	0.00078	
#3 8.82880	0.10073	0.02803	0.10028	7.35649	0.12259	0.00055	
Mean 8.81973	0.10133	0.02814	0.10101	7.39720	0.12064	0.00065	
%RSD 0.25119	2.91388	18.95062	2.27133	1.24186	3.26274	18.68609	

6.1

6

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#1 0.25757 -0.00125 -0.00459 0.07529 0.01667 0.02912 -0.00824
#2 0.26105 0.00732 0.02852 0.06268 -0.00852 0.00188 -0.02934
#3 0.25918 0.00201 0.00610 0.08074 0.01017 0.02785 -0.02521
Mean 0.25927 0.00270 0.01001 0.07290 0.00610 0.01962 -0.02093
%RSD 0.67203 160.51808 168.82845 12.71265 214.24265 78.34945 53.41427
2203/2 2203/1 INT STD
IS ratioed intensities
Reading Reading Reading
#1 0.035 0.190 58596.000
#2 0.034 0.178 58809.000
#3 0.041 0.182 58620.000
Mean 0.036 0.183 58675.000
%RSD 9.995 3.531 0.199
Final concentrations
ppm ppm intensity
#1 0.07106 0.08376 6.41
#2 0.06649 0.05504 -39.83
#3 0.08858 0.06508 -8.52
Mean 0.07538 0.06796 -13.98
%RSD 15.46485 21.44940 168.83

Method: EPA3 File: it102609ml Printed: 10/27/2009 8:12:45 AM
SampleId1: ja30199-2 SampleId2:
Analysis commenced: 10/26/2009 6:32:24 PM
Dilution ratio: 1.00000 to 1.00000
K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.260 0.054 0.003 0.067 0.302 0.020 0.004
#2 0.265 0.056 0.004 0.069 0.309 0.020 0.004
#3 0.264 0.054 0.003 0.068 0.309 0.020 0.004
Mean 0.263 0.055 0.003 0.068 0.305 0.020 0.004
%RSD 0.958 1.808 6.816 1.393 1.242 1.620 2.643
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 4.46750 0.11044 0.01714 0.09854 8.58721 0.11015 0.00111
#2 4.54446 0.11395 0.01825 0.10125 8.80036 0.11015 0.00115
#3 4.53664 0.10986 0.01599 0.09924 8.66312 0.11005 0.00105
Mean 4.51260 0.11128 0.01708 0.09967 8.68357 0.11109 0.00110
%RSD 0.93786 1.78617 6.19226 1.40866 1.24414 1.54442 4.79375
Cu3247 Na3302 Pd3404 As1890 Tl1908 Sb2068 Cd2265
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.027 0.022 -0.001 0.007 -0.009 0.012 0.009
#2 0.028 0.021 -0.001 0.009 -0.009 0.014 0.009
#3 0.027 0.019 -0.002 0.003 -0.012 0.010 0.007
Mean 0.027 0.021 -0.002 0.006 -0.010 0.012 0.008
%RSD 1.614 7.139 38.889 47.489 18.824 17.323 14.949
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.05455 1.53752 -0.00137 0.01146 0.00002 0.00200 0.00111
#2 0.05613 1.51074 -0.00123 0.01393 -0.00116 0.00660 0.00048
#3 0.05441 1.12628 -0.00620 0.00589 -0.00518 -0.00446 0.00048
Mean 0.05496 1.39151 -0.00293 0.01043 -0.00231 0.00288 0.00045
%RSD 1.83449 16.53506 96.43507 39.49342 129.47176 403.33149 39.18253
Ni2316 Ba4934 Ag3280 Ca3179 Al3082 Si2881 Fe2714
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.028 0.203 -0.011 0.498 2.438 0.557 0.713
#2 0.029 0.208 -0.011 0.510 2.489 0.569 0.728
#3 0.028 0.208 -0.014 0.503 2.486 0.565 0.721
Mean 0.028 0.206 -0.012 0.504 2.471 0.574 0.724
%RSD 2.122 1.362 10.971 1.147 1.162 1.055
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.06597 0.15032 0.00128 6.88030 65.69188 2.49444 40.12713
#2 0.06836 0.15371 0.01211 7.03503 67.05564 2.55602 40.98289
#3 0.06616 0.15412 -0.00081 6.94838 66.98081 2.53752 40.56195
Mean 0.06683 0.15272 0.00056 6.95457 66.57611 2.52933 40.55732
%RSD 1.99072 1.36555 212.81680 1.11510 1.15158 1.24925 1.05505
Mn2576 Mo2020 Sn1899 Pb2203 Se1960 1960/2 1960/1
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.263 0.005 0.003 0.000 0.000 0.023 -0.094
#2 0.268 0.005 0.005 0.000 0.000 0.023 -0.087
#3 0.266 0.003 0.002 0.000 0.000 0.019 -0.111
Mean 0.266 0.005 0.003 0.000 0.000 0.023 -0.097
%RSD 1.042 25.456 51.683 1.249 1.249 16.532 12.615
Final concentrations
ppm ppm ppm ppm ppm ppm ppm

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#1 0.44063 0.00219 0.02427 0.07980 0.00838 0.01283 -0.00052
#2 0.44976 0.00262 0.02753 0.08434 0.01467 0.01888 0.00626
#3 0.44674 0.00065 0.02057 0.07032 -0.00057 0.00751 -0.01672
Mean 0.44571 0.00182 0.02412 0.07815 0.00750 0.01307 -0.00366
%RSD 1.04294 56.77359 14.44803 9.15780 102.16601 43.50061 322.51565
2203/2 2203/1 INT STD
IS ratioed intensities
Reading Reading Reading
#1 0.135 0.372 62415.000
#2 0.141 0.385 61875.000
#3 0.122 0.347 60876.000
Mean 0.133 0.368 61622.000
%RSD 7.652 5.176 1.250
Final concentrations
ppm ppm intensity
#1 0.08563 0.06814 -33.90
#2 0.08986 0.07327 -38.46
#3 0.07712 0.05671 -28.73
Mean 0.08421 0.06604 -33.69
%RSD 7.71509 12.83954 14.45

Method: EPA3 File: it102609ml Printed: 10/27/2009 8:12:45 AM
SampleId1: ja30199-3 SampleId2:
Analysis commenced: 10/26/2009 6:38:31 PM
Dilution ratio: 1.00000 to 1.00000
K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.421 0.073 0.007 0.074 0.521 0.018 0.004
#2 0.419 0.074 0.008 0.075 0.523 0.018 0.004
#3 0.419 0.073 0.007 0.074 0.519 0.018 0.004
Mean 0.420 0.073 0.007 0.074 0.521 0.018 0.004
%RSD 0.267 1.009 3.216 0.668 0.381 0.805 1.950
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 7.26918 0.14798 0.03622 0.10802 14.86113 0.11015 0.00104
#2 7.23475 0.15048 0.03772 0.10928 14.89189 0.11136 0.00108
#3 7.24024 0.14784 0.03552 0.10801 14.78225 0.10985 0.00101
Mean 7.24805 0.14877 0.03649 0.10844 14.84509 0.11045 0.00104
%RSD 0.25523 0.99962 3.06746 0.67504 0.38096 0.72549 3.66143
Cu3247 Na3302 Pd3404 As1890 Tl1908 Sb2068 Cd2265
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.030 0.024 -0.003 0.007 -0.003 0.008 0.011
#2 0.030 0.026 -0.002 0.010 0.000 0.010 0.013
#3 0.030 0.024 -0.003 0.006 -0.002 0.009 0.011
Mean 0.030 0.025 -0.002 0.008 -0.002 0.009 0.012
%RSD 0.385 3.206 15.285 23.439 84.925 10.303 8.314
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.06042 2.11148 -0.00687 0.01103 -0.00528 -0.00909 0.00103
#2 0.06083 2.32476 -0.00409 0.01455 -0.00096 -0.00422 0.00147
#3 0.06034 2.10297 -0.00685 0.00949 -0.00371 -0.00740 0.00102
Mean 0.06053 2.17974 -0.00594 0.01169 -0.00331 -0.00690 0.00118
%RSD 0.43170 5.76513 26.94282 22.17870 65.95607 35.80234 21.82304
Ni2316 Ba4934 Ag3280 Ca3179 Al3082 Si2881 Fe2714
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.043 0.140 -0.011 0.864 1.188 0.399 1.167
#2 0.043 0.139 -0.011 0.867 1.182 0.399 1.171
#3 0.043 0.139 -0.012 0.860 1.183 0.397 1.162
Mean 0.043 0.139 -0.012 0.864 1.184 0.399 1.166
%RSD 0.217 0.390 7.152 0.427 0.247 0.413 0.395
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.09982 0.10316 0.00048 11.95272 31.85970 1.73975 65.81163
#2 0.10024 0.10236 0.00178 12.00628 31.71772 1.73375 66.04326
#3 0.10002 0.10266 0.00047 11.90396 31.72875 1.72925 65.52455
Mean 0.10003 0.10273 0.00091 11.95433 31.76872 1.73250 65.75278
%RSD 0.20986 0.39252 82.67432 0.42804 0.24862 0.45815 0.39582
Mn2576 Mo2020 Sn1899 Pb2203 Se1960 1960/2 1960/1
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.360 0.011 0.000 0.000 0.000 0.019 -0.106
#2 0.360 0.013 0.002 0.000 0.000 0.017 -0.098
#3 0.358 0.011 0.000 0.000 0.000 0.018 -0.089
Mean 0.359 0.012 0.001 0.000 0.000 0.018 -0.098
%RSD 0.279 11.591 120.245 10.727 0.150 5.096 8.883
Final concentrations
ppm ppm ppm ppm ppm ppm ppm

Printed: 10/27/2009 8:12:45 AM User: Accutest
#1 0.60348 0.00783 0.01669 0.01738 0.01138 0.02329 -0.01243
#2 0.60414 0.00970 0.01936 0.01466 0.01217 0.02075 -0.00500
#3 0.60095 0.00746 0.01594 0.01883 0.01613 0.02207 0.00424
Mean 0.60286 0.00833 0.01733 0.01696 0.01323 0.02204 -0.00439
%RSD 0.27937 14.40906 10.37066 12.48593 19.23988 5.76592 190.08403

IS ratioed intensities
Reading Reading Reading
#1 0.051 0.193 61354.000
#2 0.046 0.189 61526.000
#3 0.043 0.226 61498.000
Mean 0.047 0.203 61459.333
%RSD 8.836 9.989 0.150

Final concentrations
ppm ppm intensity
#1 0.02907 -0.00599 -23.31
#2 0.02578 -0.00758 -27.04
#3 0.02378 0.00893 -22.27
Mean 0.02621 -0.00155 -24.21
%RSD 10.18430 589.12782 10.37

Method: EPA3 File: it102609ml Printed: 10/27/2009 8:12:45 AM
SampleId: ja30199-4 SampleId2: [SAMPLE]
Analysis commenced: 10/26/2009 6:44:38 PM
Dilution ratio: 1.00000 to 1.00000

K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.397 0.111 0.004 0.087 0.647 0.015 0.003
#2 0.397 0.109 0.003 0.087 0.643 0.015 0.003
#3 0.397 0.110 0.004 0.087 0.643 0.015 0.003
Mean 0.397 0.110 0.004 0.087 0.643 0.015 0.003
%RSD 0.077 1.012 4.873 0.404 0.279 1.003 1.448

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 6.62444 0.22320 0.01884 0.12835 18.44265 0.09085 0.00046
#2 6.61826 0.21876 0.01769 0.12733 18.34000 0.09087 0.00042
#3 6.62791 0.22121 0.01929 0.12803 18.38951 0.09000 0.00045
Mean 6.62354 0.22106 0.01860 0.12790 18.39072 0.09004 0.00044
%RSD 0.07378 1.00729 4.41455 0.40800 0.27914 0.87995 4.26439

Cu3247 Na3302 Pd3404 As1890 Tl1908 Sb2068 Cd2265
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.034 0.024 -0.008 0.005 -0.005 0.011 0.009
#2 0.033 0.022 -0.009 0.003 -0.005 0.010 0.008
#3 0.034 0.023 -0.008 0.004 -0.005 0.012 0.008
Mean 0.034 0.023 -0.008 0.004 -0.005 0.011 0.008
%RSD 0.875 4.813 5.723 25.523 3.488 8.952 8.627

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.07026 1.71723 -0.03028 0.00975 -0.00421 -0.00156 0.00108
#2 0.06894 1.38847 -0.03368 0.00678 -0.00358 -0.00447 0.00071
#3 0.06934 1.64073 -0.03002 0.00866 -0.00397 0.00075 0.00083
Mean 0.06951 1.58214 -0.03132 0.00940 -0.00396 -0.00156 0.00087
%RSD 0.97214 10.87332 6.51630 17.92049 8.09636 148.69937 21.29024

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.026 0.186 -0.013 16.302 1.173 0.651 0.877
#2 0.026 0.187 -0.014 16.159 1.174 0.647 0.872
#3 0.026 0.186 -0.013 16.232 1.173 0.649 0.876
Mean 0.026 0.186 -0.013 16.231 1.174 0.649 0.875
%RSD 0.115 0.155 4.130 0.441 0.066 0.379 0.279

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.06408 0.13768 0.00029 226.35463 31.45617 2.94732 49.43432
#2 0.06414 0.13790 -0.00057 224.36597 31.48590 2.92627 49.16887
#3 0.06402 0.13747 0.00024 225.37895 31.44541 2.92669 49.36440
Mean 0.06408 0.13768 -0.00002 225.36652 31.46252 2.93362 49.32253
%RSD 0.09453 0.15692 3218.45318 0.44123 0.06680 0.40421 2.07896

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.265 0.019 0.004 0.000 0.000 0.023 -0.106
#2 0.264 0.018 0.000 0.000 0.000 0.020 -0.110
#3 0.265 0.020 0.004 0.000 0.000 0.022 -0.094
Mean 0.265 0.019 0.004 0.000 0.000 0.022 -0.104
%RSD 0.340 3.677 10.294 0.115 0.115 3.581 7.966

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.06408 0.13768 0.00029 226.35463 31.45617 2.94732 49.43432
#2 0.06414 0.13790 -0.00057 224.36597 31.48590 2.92627 49.16887
#3 0.06402 0.13747 0.00024 225.37895 31.44541 2.92669 49.36440
Mean 0.06408 0.13768 -0.00002 225.36652 31.46252 2.93362 49.32253
%RSD 0.09453 0.15692 3218.45318 0.44123 0.06680 0.40421 2.07896

Printed: 10/27/2009 8:12:45 AM User: Accutest
#1 0.44540 0.01569 0.02516 0.03386 0.00782 0.01340 -0.00335
#2 0.44242 0.01491 0.02401 0.03208 0.00497 0.01104 -0.00718
#3 0.44432 0.01616 0.02551 0.03907 0.01062 0.01185 0.00814
Mean 0.44405 0.01559 0.02489 0.03501 0.00780 0.01210 -0.00080
%RSD 0.34020 4.03565 3.15553 10.37839 36.21012 9.90829 1000.66694

IS ratioed intensities
Reading Reading Reading
#1 0.073 0.232 59797.000
#2 0.075 0.217 59718.000
#3 0.077 0.258 59855.000
Mean 0.075 0.236 59790.000
%RSD 2.322 8.715 0.115

Final concentrations
ppm ppm intensity
#1 0.05453 -0.00769 -35.14
#2 0.05531 -0.01437 -33.53
#3 0.05678 0.00366 -35.63
Mean 0.05557 -0.00613 -34.77
%RSD 1.97641 148.63926 3.16

Method: EPA3 File: it102609ml Printed: 10/27/2009 8:12:45 AM
SampleId: CVV SampleId2: [FLXQC]
Analysis commenced: 10/26/2009 6:50:46 PM
Dilution ratio: 1.00000 to 1.00000

K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 2.244 1.019 0.435 1.354 1.450 0.403 3.08
#2 2.244 1.023 0.436 1.355 1.454 0.403 4.296
#3 2.234 1.041 0.439 1.367 1.467 0.406 4.354
Mean 2.240 1.027 0.437 1.359 1.457 0.404 4.319
%RSD 0.227 1.164 0.500 0.536 0.605 0.412 0.710

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 37.67157 2.04834 2.03154 2.00536 41.36272 2.03476 2.06317
#2 37.61918 2.05633 2.03768 2.00752 41.45533 2.03656 2.05748
#3 37.50691 2.09341 2.05146 2.02503 41.83687 2.05017 2.08529
Mean 37.59922 2.06603 2.04023 2.01264 41.55164 2.04050 2.06865
%RSD 0.22374 1.16416 0.49995 0.53601 0.60484 0.41296 0.71032

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.825 0.257 0.420 1.405 1.331 0.763 8.069
#2 0.825 0.258 0.420 1.405 1.330 0.760 8.042
#3 0.825 0.260 0.421 1.424 1.348 0.767 8.135
Mean 0.825 0.258 0.420 1.411 1.337 0.764 8.082
%RSD 0.039 0.471 0.175 0.757 0.761 0.456 0.590

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 1.88819 39.07494 1.87482 1.98368 1.94414 2.08432 2.12925
#2 1.88686 39.18546 1.87460 1.98315 1.94264 2.07590 2.12196
#3 1.88807 39.44962 1.88039 2.00895 1.96865 2.09513 2.14646
Mean 1.88771 39.23667 1.87661 1.99159 1.95181 2.08511 2.12356
%RSD 0.03909 0.49066 0.17479 0.75499 0.74836 0.46230 0.58996

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.928 2.528 0.263 3.011 1.434 1.154 7.721
#2 0.929 2.524 0.263 3.011 1.435 1.156 7.722
#3 0.937 2.516 0.264 3.038 1.434 1.159 7.728
Mean 0.931 2.523 0.264 3.018 1.435 1.156 7.723
%RSD 0.552 0.253 0.270 0.604 0.061 0.223 0.531

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 2.05513 1.88166 0.24925 41.53532 38.42928 5.35100 40.51086
#2 2.05814 1.87898 0.24958 41.63526 38.45636 5.36249 40.56690
#3 2.07615 1.87242 0.25050 42.01384 38.41363 5.37955 40.91031
Mean 2.06314 1.87769 0.24978 41.72814 38.43375 5.36301 40.65269
%RSD 0.55095 0.25314 0.25832 0.60491 0.05908 0.22907 0.53186

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 1.169 2.199 0.948 0.000 0.000 1.416 1.978
#2 1.171 2.205 0.948 0.000 0.000 1.447 1.985
#3 1.177 2.223 0.960 0.000 0.000 1.429 2.006
Mean 1.172 2.209 0.952 0.000 0.000 1.431 1.990
%RSD 0.372 0.555 0.745 10.081 0.203 1.090 0.736

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 2.05513 1.88166 0.24925 41.53532 38.42928 5.35100 40.51086
#2 2.05814 1.87898 0.24958 41.63526 38.45636 5.36249 40.56690
#3 2.07615 1.87242 0.25050 42.01384 38.41363 5.37955 40.91031
Mean 2.06314 1.87769 0.24978 41.72814 38.43375 5.36301 40.65269
%RSD 0.55095 0.25314 0.25832 0.60491 0.05908 0.22907 0.53186

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#1 1.96009 1.95311 2.03028 2.13375 2.04906 2.07354 2.00010
#2 1.96456 1.95862 2.03069 2.15980 2.08170 2.11941 2.00630
#3 1.97439 1.97414 2.05654 2.13752 2.07195 2.09436 2.02711
Mean 1.96634 1.96196 2.03917 2.14369 2.06757 2.09577 2.01117
%RSD 0.37201 0.55587 0.73786 0.65671 0.81032 1.09567 0.70328

IS ratioed intensities
Reading Reading Reading
#1 3.397 4.788 58658.000
#2 3.455 4.797 58527.000
#3 3.389 4.836 58765.000
Mean 3.414 4.807 58650.000
%RSD 1.051 0.532 0.203

Final concentrations
ppm ppm intensity
#1 2.17416 2.05293 -2835.91
#2 2.21119 2.05700 -2836.48
#3 2.16906 2.07443 -2872.59
Mean 2.18480 2.06145 -2848.33
%RSD 1.05254 0.55390 0.74

Method: EPA3 File: it102609ml
SampleId1: CCB SampleId2:
Analysis commenced: 10/26/2009 6:57:03 PM
Dilution ratio: 1.00000 to 1.00000
K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.067 -0.001 0.000 0.001 0.001 0.000 0.002
#2 0.067 -0.001 0.000 0.001 0.001 0.000 0.002
#3 0.067 -0.001 0.000 0.001 0.001 0.000 0.002
Mean 0.067 -0.001 0.000 0.001 0.001 0.000 0.002
%RSD 0.424 36.948 97.481 71.717 29.586 349.727 7.453

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 1.20067 0.00046 0.00170 0.00073 0.01040 0.00000 0.00006
#2 1.19273 -0.00033 0.00027 -0.00017 0.00471 -0.00025 -0.00001
#3 1.19148 -0.00092 -0.00038 -0.00067 0.00040 -0.00137 -0.00005
Mean 1.19496 -0.00026 0.00053 -0.00004 0.00517 -0.00074 0.00000
%RSD 0.41707 264.14232 200.65613 1812.54620 97.07274 93.52914 6529.88367

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.004 0.021 0.000 -0.002 -0.022 0.012 0.004
#2 0.004 0.019 -0.001 -0.005 -0.027 0.010 0.002
#3 0.004 0.019 -0.001 -0.005 -0.029 0.009 0.002
Mean 0.004 0.020 -0.001 -0.004 -0.026 0.011 0.003
%RSD 5.666 5.865 55.067 46.933 12.825 15.524 45.567

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.00178 1.17942 0.00285 -0.00044 -0.00179 0.00318 0.00078
#2 0.00117 0.93901 0.00004 -0.00434 -0.00906 -0.00214 0.00035
#3 0.00082 0.82677 -0.00172 -0.00504 -0.01088 -0.00583 0.00015
Mean 0.00125 0.98174 0.00037 -0.00327 -0.00724 -0.00442 0.00042
%RSD 38.79470 18.35194 591.37716 75.65538 66.38668 283.18923 76.29647

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 -0.001 0.001 -0.011 0.002 0.009 0.033 0.000
#2 -0.001 0.001 -0.013 0.002 0.008 0.032 0.000
#3 -0.002 0.000 -0.013 0.002 0.008 0.031 0.000
Mean -0.001 0.001 -0.012 0.002 0.008 0.032 0.000
%RSD 12.624 23.827 7.283 6.824 1.702 341.366

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.00115 0.00030 0.00115 0.01709 -0.01930 -0.03234 0.01842
#2 0.00113 0.00019 0.00008 -0.01497 -0.02339 -0.03626 -0.00636
#3 0.00048 0.00011 -0.00043 0.01301 -0.02702 -0.04018 -0.01981
Mean 0.00092 0.00020 0.00027 0.01502 -0.02324 -0.03693 -0.00258
%RSD 41.55332 46.58844 302.95871 13.56620 16.61703 11.07052 750.32635

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.000 0.005 -0.010 0.000 0.000 0.035 -0.098
#2 0.000 0.005 -0.011 0.000 0.000 0.039 -0.109
#3 0.000 0.001 -0.013 0.000 0.000 0.033 -0.117
Mean 0.000 0.003 -0.012 0.000 0.000 0.032 -0.108
%RSD 21.320 64.112 15.677 0.524 0.524 8.175 8.845

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#1 0.00028 0.00095 -0.00190 -0.00106 0.00278 0.00813 -0.00792
#2 0.00017 -0.00072 -0.00548 -0.00895 -0.00578 0.00057 -0.01847
#3 0.00003 -0.00216 -0.00957 -0.00816 -0.00470 0.00608 -0.02627
Mean 0.00016 -0.00064 -0.00565 -0.00606 -0.00257 0.00493 -0.01755
%RSD 76.02897 242.43825 67.89788 71.80454 181.69381 79.38959 52.45293

IS ratioed intensities
Reading Reading Reading
#1 0.017 0.124 59210.000
#2 0.008 0.097 58851.000
#3 0.015 0.084 58595.000
Mean 0.013 0.102 58885.333
%RSD 34.671 19.953 0.525

Final concentrations
ppm ppm intensity
#1 0.00104 -0.00524 2.65
#2 -0.00482 -0.01121 7.66
#3 -0.00077 -0.02294 13.36
Mean -0.00152 -0.01513 7.89
%RSD 197.21674 59.69788 67.90

Method: EPA3 File: it102609ml
SampleId1: ja30199-5 SampleId2:
Analysis commenced: 10/26/2009 7:03:21 PM
Dilution ratio: 1.00000 to 1.00000
K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.509 0.398 0.015 0.153 0.585 0.383 0.005
#2 0.508 0.392 0.015 0.151 0.585 0.032 0.005
#3 0.508 0.398 0.015 0.153 0.588 0.033 0.005
Mean 0.508 0.396 0.015 0.152 0.587 0.033 0.005
%RSD 0.054 0.892 1.314 0.689 0.397 0.690 1.152

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 8.61444 0.80085 0.07178 0.22452 16.77284 0.18393 0.00131
#2 8.60361 0.78844 0.07033 0.22182 16.65151 0.18175 0.00126
#3 8.61007 0.80059 0.07204 0.22449 16.75906 0.18381 0.00130
Mean 8.60937 0.79663 0.07139 0.22361 16.72800 0.18316 0.00129
%RSD 0.06329 0.89041 1.29055 0.69314 0.39712 0.66911 1.99843

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.053 0.050 -0.007 0.018 -0.006 0.010 0.027
#2 0.053 0.048 -0.007 0.017 -0.009 0.009 0.027
#3 0.053 0.049 -0.007 0.018 -0.004 0.010 0.027
Mean 0.053 0.049 -0.007 0.018 -0.006 0.010 0.027
%RSD 0.773 1.654 4.596 3.889 47.453 4.762 0.627

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.11475 5.95467 -0.02485 0.02720 -0.00566 -0.00309 0.00508
#2 0.11317 5.71238 -0.02709 0.02603 -0.01081 -0.00494 0.00505
#3 0.11485 5.90681 -0.02459 0.02795 -0.00274 -0.00246 0.00499
Mean 0.11426 5.85795 -0.02551 0.02706 -0.00640 -0.00350 0.00504
%RSD 0.82427 2.19052 5.38101 3.57507 63.84838 36.86068 8.87896

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.089 0.568 0.460 3.593 6.686 0.574 1.124
#2 0.087 0.568 -0.013 0.456 3.686 0.570 1.114
#3 0.088 0.568 -0.012 0.460 3.690 0.573 1.123
Mean 0.088 0.568 -0.012 0.459 3.689 0.572 1.120
%RSD 0.765 0.008 4.470 0.515 0.071 0.335 0.477

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.19997 0.42178 0.00074 6.32488 99.57408 2.57655 63.24031
#2 0.19734 0.42174 -0.00016 6.26932 99.43832 2.56020 62.69048
#3 0.19987 0.42171 0.00065 6.32669 99.53949 2.57582 63.11065
Mean 0.19906 0.42174 0.00041 6.30964 99.51730 2.57086 63.03714
%RSD 0.74895 0.00825 119.84940 0.51707 0.07089 0.35932 0.47861

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.321 0.006 0.004 0.000 0.000 0.026 -0.115
#2 0.319 0.005 0.003 0.000 0.000 0.023 -0.102
#3 0.321 0.007 0.004 0.004 0.000 0.023 -0.110
Mean 0.321 0.006 0.004 0.000 0.000 0.024 -0.109
%RSD 0.433 17.315 17.933 10.798 0.119 8.497 6.014

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.19997 0.42178 0.00074 6.32488 99.57408 2.57655 63.24031
#2 0.19734 0.42174 -0.00016 6.26932 99.43832 2.56020 62.69048
#3 0.19987 0.42171 0.00065 6.32669 99.53949 2.57582 63.11065
Mean 0.19906 0.42174 0.00041 6.30964 99.51730 2.57086 63.03714
%RSD 0.74895 0.00825 119.84940 0.51707 0.07089 0.35932 0.47861



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#1	0.53903	0.00420	0.02573	0.06601	0.01477	0.03182	-0.01933
#2	0.53502	0.00297	0.02313	0.06705	0.01564	0.02688	-0.00683
#3	0.53908	0.00489	0.02548	0.06540	0.01264	0.02613	-0.01433
Mean	0.53771	0.00402	0.02478	0.06615	0.01435	0.02828	-0.01350
RSRD	0.43351	24.21444	5.78971	1.26583	10.75716	10.94035	46.59417

2203/2 2203/1 INT STD

IS ratioed intensities

Reading	Reading	Reading	
#1	0.118	0.334	61734.000
#2	0.108	0.368	61877.000
#3	0.109	0.355	61834.000
Mean	0.112	0.352	61815.000
RSRD	4.817	4.966	0.119

Final concentrations

ppm	ppm	intensity	
#1	0.08003	0.03197	-35.95
#2	0.07378	0.05360	-32.31
#3	0.07429	0.04761	-35.59
Mean	0.07603	0.04640	-34.62
RSRD	4.56292	16.99687	5.79

Method: EPA3 File: it102609ml SampleId1: ja30199-6 SampleId2: Analysis commenced: 10/26/2009 7:09:28 PM Dilution ratio: 1.00000 to 1.00000

Printed: 10/27/2009 8:12:46 AM [SAMPLE]

K 7664	Zn2062	Co2286	Cr2677	Mg2790	V 2924	Be3130
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IS ratioed intensities

Reading	Reading	Reading	Reading	Reading	Reading	Reading	
#1	0.810	0.121	0.011	0.120	0.746	0.037	0.007
#2	0.810	0.122	0.011	0.120	0.745	0.037	0.008
#3	0.809	0.120	0.010	0.120	0.744	0.037	0.007
Mean	0.810	0.121	0.010	0.120	0.745	0.037	0.007
RSRD	0.066	0.461	1.079	0.287	0.136	0.502	0.951

Final concentrations

ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	13.89307	0.24509	0.05124	0.17660	21.25230	0.22439	0.00242
#2	13.87963	0.24561	0.05125	0.17698	21.22467	0.22437	0.00246
#3	13.87496	0.24346	0.05033	0.17597	21.19472	0.22266	0.00239
Mean	13.88255	0.24472	0.05094	0.17652	21.22390	0.22381	0.00242
RSRD	0.06775	0.45873	1.03818	0.28871	0.13567	0.44535	1.35503

Cu3247 Na3302 Pd3404 As1890 Tl1908 Sb2068 Cd2265

IS ratioed intensities

Reading	Reading	Reading	Reading	Reading	Reading	Reading	
#1	0.054	0.061	-0.003	0.022	0.014	0.009	0.021
#2	0.055	0.062	-0.002	0.022	0.017	0.009	0.019
#3	0.055	0.061	-0.002	0.021	0.013	0.009	0.021
Mean	0.054	0.061	-0.002	0.022	0.015	0.009	0.020
RSRD	0.120	0.821	7.306	1.585	13.334	2.681	7.051

Final concentrations

ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.11695	8.08528	-0.00671	0.02988	-0.00628	-0.00738	0.00209
#2	0.11719	8.24047	-0.00519	0.02995	-0.00362	-0.00657	0.00140
#3	0.11723	8.14250	-0.00602	0.02909	-0.00836	-0.00610	0.00201
Mean	0.11712	8.15608	-0.00597	0.02964	-0.00674	-0.00663	0.00183
RSRD	0.12850	0.96224	12.75101	1.60882	40.18096	9.69422	20.72239

Ni2316 Ba4934 Ag3280 Ca3179 Al3082 Si2881 Fe2714

IS ratioed intensities

Reading	Reading	Reading	Reading	Reading	Reading	Reading	
#1	0.056	0.261	-0.012	0.832	2.779	0.585	2.189
#2	0.056	0.261	-0.011	0.833	2.779	0.580	2.191
#3	0.055	0.261	-0.011	0.830	2.775	0.580	2.183
Mean	0.056	0.261	-0.011	0.832	2.778	0.580	2.188
RSRD	0.924	0.159	1.114	0.185	0.090	0.484	0.185

Final concentrations

ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.12837	0.19329	0.00106	11.49887	74.90526	2.62790	123.41261
#2	0.12838	0.19280	0.00126	11.50726	74.89827	2.60455	123.53910
#3	0.12641	0.19272	0.00107	11.46683	74.78474	2.60417	123.09548
Mean	0.12772	0.19294	0.00113	11.49098	74.86275	2.61221	123.34906
RSRD	0.88859	0.15990	10.11752	0.18567	0.09036	0.52036	0.18527

Mn2576 Mo2020 Sn1899 Pb2203 Se1960 1960/2 1960/1

IS ratioed intensities

Reading	Reading	Reading	Reading	Reading	Reading	Reading	
#1	0.668	0.015	0.003	0.000	0.000	-0.001	-0.095
#2	0.667	0.015	0.004	0.000	0.000	-0.001	-0.084
#3	0.666	0.014	0.002	0.000	0.000	-0.002	-0.105
Mean	0.667	0.015	0.003	0.000	0.000	-0.002	-0.094
RSRD	0.162	2.673	23.606	6.101	0.177	86.730	10.676

Final concentrations

ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
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#1	1.11996	0.01203	0.01937	0.06246	0.01862	0.02732	0.00121
#2	1.11925	0.01241	0.02140	0.06092	0.01805	0.02157	0.01102
#3	1.11652	0.01171	0.01840	0.05791	0.01478	0.02638	-0.00844
Mean	1.11858	0.01205	0.01972	0.06043	0.01715	0.02509	0.00126
RSRD	0.16226	2.93171	7.75634	3.83482	12.09212	12.29187	769.75105

2203/2 2203/1 INT STD

IS ratioed intensities

Reading	Reading	Reading	
#1	0.107	0.368	61436.000
#2	0.095	0.392	61430.000
#3	0.103	0.348	61245.000
Mean	0.102	0.369	61370.333
RSRD	6.022	6.015	0.177

Final concentrations

ppm	ppm	intensity	
#1	0.07125	0.04890	-27.06
#2	0.06386	0.05660	-29.89
#3	0.06889	0.03595	-25.70
Mean	0.06791	0.04549	-27.55
RSRD	5.77772	21.63274	7.76

Method: EPA3 File: it102609ml SampleId1: ja30199-7 SampleId2: Analysis commenced: 10/26/2009 7:15:36 PM Dilution ratio: 1.00000 to 1.00000

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K 7664	Zn2062	Co2286	Cr2677	Mg2790	V 2924	Be3130
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IS ratioed intensities

Reading	Reading	Reading	Reading	Reading	Reading	Reading	
#1	0.377	0.137	0.006	0.061	1.020	0.003	0.003
#2	0.377	0.138	0.007	0.062	1.024	0.028	0.003
#3	0.377	0.139	0.006	0.063	1.024	0.028	0.003
Mean	0.377	0.138	0.006	0.062	1.023	0.028	0.003
RSRD	0.100	0.705	2.616	0.968	0.252	0.418	2.031

Final concentrations

ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	6.47447	0.27619	0.03129	0.08976	29.07281	0.15948	0.00057
#2	6.48610	0.27893	0.03286	0.09074	29.19667	0.16050	0.00057
#3	6.47520	0.27998	0.03195	0.09154	29.20355	0.16066	0.00063
Mean	6.47859	0.27837	0.03203	0.09068	29.15768	0.16022	0.00059
RSRD	0.10055	0.70196	2.47459	0.98057	0.25234	0.39962	5.51160

Cu3247 Na3302 Pd3404 As1890 Tl1908 Sb2068 Cd2265

IS ratioed intensities

Reading	Reading	Reading	Reading	Reading	Reading	Reading	
#1	0.076	0.022	-0.003	0.028	-0.007	0.011	0.015
#2	0.076	0.023	-0.003	0.030	-0.004	0.012	0.016
#3	0.076	0.024	-0.003	0.030	0.000	0.012	0.017
Mean	0.076	0.023	-0.003	0.029	-0.004	0.012	0.016
RSRD	0.361	3.471	11.867	5.036	86.822	7.603	3.309

Final concentrations

ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.16675	1.72676	-0.01089	0.03952	-0.01349	-0.00090	0.00204
#2	0.16789	1.80712	-0.00936	0.04290	-0.00968	0.00337	0.00220
#3	0.16779	1.97100	-0.00764	0.04329	-0.00428	0.00347	0.00232
Mean	0.16747	1.83496	-0.00930	0.04191	-0.00915	0.00198	0.00219
RSRD	0.37740	6.78362	17.50655	4.94312	50.57611	126.16775	6.21529

Ni2316 Ba4934 Ag3280 Ca3179 Al3082 Si2881 Fe2714

IS ratioed intensities

Reading	Reading	Reading	Reading	Reading	Reading	Reading	
#1	0.028	0.213	-0.012	4.805	1.389	0.505	2.449
#2	0.028	0.213	-0.012	4.831	1.391	0.506	1.255
#3	0.029	0.212	-0.012	4.831	1.387	0.506	1.254
Mean	0.028	0.212	-0.012	4.822	1.389	0.505	1.253
RSRD	1.082	0.178	4.510	0.313	0.134	0.116	0.279

Final concentrations

ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.06708	0.15727	-0.00006	66.68213	37.30382	2.24228	70.41309
#2	0.06723	0.15730	0.00045	67.04405	37.35582	2.24652	70.77327
#3	0.06832	0.15680	0.00094	67.04652	37.25549	2.24765	70.71195
Mean	0.06755	0.15712	0.00044	66.92423	37.30504	2.24548	70.63944
RSRD	1.00223	0.17953	113.11726	0.31330	0.13451	0.12603	0.27903

Mn2576 Mo2020 Sn1899 Pb2203 Se1960 1960/2 1960/1

IS ratioed intensities

Reading	Reading	Reading	Reading	Reading	Reading	Reading	
#1	0.389	0.007	0.002	0.000	0.000	0.020	-0.116
#2	0.391	0.008	0.004	0.000	0.000	0.020	-0.100
#3	0.391	0.008	0.002	0.000	0.000	0.019	-0.107
Mean	0.390	0.008	0.003	0.000	0.000	0.020	-0.108
RSRD	0.234	6.514	25.924	4.947	0.116	4.187	7.656

Final concentrations

ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
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#1 0.65306 0.00465 0.02113 0.17580 0.01120 0.02662 -0.01963
#2 0.65604 0.00537 0.02365 0.18385 0.01649 0.02662 -0.00376
#3 0.65521 0.00547 0.02080 0.17709 0.01287 0.02460 -0.01060
Mean 0.65477 0.00516 0.02186 0.17891 0.01352 0.02595 -0.01133
RSD 0.23458 8.66228 7.12734 2.41470 19.99532 4.48015 70.24702

IS ratioed intensities
Reading Reading Reading
#1 0.309 0.519 60476.000
#2 0.311 0.568 60409.000
#3 0.302 0.549 60549.000
Mean 0.308 0.545 60478.000
RSD 1.618 4.468 0.116

Final concentrations
ppm ppm intensity
#1 0.19925 0.12891 -29.53
#2 0.20063 0.15027 -33.03
#3 0.19455 0.14218 -29.05
Mean 0.19814 0.14045 -30.53
RSD 1.61043 7.67899 7.113

Method : EPA3 File : it102609ml
SampleId : ja30199-8 SampleId2 :
Analysis commenced : 10/26/2009 7:21:43 PM
Dilution ratio : 1.00000 to 1.00000

K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.360 0.056 0.004 0.058 0.371 0.016 0.003
#2 0.360 0.055 0.004 0.057 0.370 0.015 0.003
#3 0.360 0.056 0.004 0.058 0.371 0.016 0.003
Mean 0.360 0.056 0.004 0.058 0.371 0.015 0.003
RSD 0.044 0.895 4.281 0.651 0.218 1.203 2.226

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 6.22566 0.11430 0.02083 0.08472 10.58195 0.09416 0.00032
#2 6.22546 0.11237 0.01931 0.08363 10.54379 0.09267 0.00027
#3 6.22112 0.11380 0.02046 0.08437 10.58530 0.09433 0.00027
Mean 6.22408 0.11349 0.02020 0.08424 10.57035 0.09369 0.00029
RSD 0.04125 0.88290 3.91422 0.65988 0.21816 1.03632 9.17726

Cu3247 Na3302 Pd3404 As1890 Tl1908 Sb2068 Cd2265
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.026 0.023 -0.003 0.008 -0.007 0.009 0.011
#2 0.026 0.021 -0.003 0.005 -0.009 0.007 0.010
#3 0.026 0.023 -0.002 0.006 -0.007 0.009 0.011
Mean 0.026 0.022 -0.003 0.006 -0.008 0.008 0.011
RSD 0.055 3.576 8.176 20.885 14.393 9.926 4.476

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.05305 1.77602 -0.00749 0.01154 -0.00451 -0.00704 0.00134
#2 0.05306 1.55545 -0.00850 0.00817 -0.00723 -0.01097 0.00109
#3 0.05311 1.76734 -0.00854 0.00877 -0.00474 -0.00721 0.00118
Mean 0.05307 1.69960 -0.00751 -0.00948 -0.00559 -0.00941 0.00107
RSD 0.06263 7.34967 13.07231 18.96975 27.49422 26.46171 10.22106

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.019 0.142 -0.011 1.397 0.855 0.442 0.931
#2 0.019 0.142 -0.012 1.386 0.855 0.437 0.927
#3 0.019 0.142 -0.011 1.395 0.856 0.440 0.930
Mean 0.019 0.142 -0.011 1.392 0.856 0.439 0.929
RSD 1.372 0.093 3.194 0.417 0.049 0.516 0.250

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.04750 0.10496 0.00160 19.36533 22.87136 1.94101 52.54125
#2 0.04638 0.10484 0.00096 19.21288 22.85785 1.91926 52.28599
#3 0.04665 0.10477 0.00130 19.33274 22.88052 1.93258 52.45525
Mean 0.04684 0.10486 0.00129 19.30345 22.86991 1.93098 52.42670
RSD 1.24523 0.09378 25.13191 0.41762 0.04986 0.56512 0.25201

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.221 0.013 0.002 0.000 0.000 0.018 -0.106
#2 0.220 0.012 0.000 0.000 0.000 0.010 -0.110
#3 0.220 0.013 0.000 0.000 0.000 0.017 -0.110
Mean 0.220 0.013 0.001 0.000 0.000 0.019 -0.109
RSD 0.235 5.040 151.748 0.193 0.193 11.241 1.957

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.04750 0.10496 0.00160 19.36533 22.87136 1.94101 52.54125
#2 0.04638 0.10484 0.00096 19.21288 22.85785 1.91926 52.28599
#3 0.04665 0.10477 0.00130 19.33274 22.88052 1.93258 52.45525
Mean 0.04684 0.10486 0.00129 19.30345 22.86991 1.93098 52.42670
RSD 1.24523 0.09378 25.13191 0.41762 0.04986 0.56512 0.25201

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.293 0.055 0.005 0.058 0.314 0.005 0.005
#2 0.297 0.047 0.003 0.053 0.295 0.012 0.004
#3 0.296 0.047 0.003 0.053 0.294 0.012 0.004
Mean 0.295 0.049 0.003 0.055 0.295 0.012 0.004
RSD 0.574 7.057 37.037 5.781 3.175 9.334 10.370

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 5.04298 0.10732 0.02332 0.08495 8.84634 0.07812 0.00127
#2 5.09036 0.09579 0.01371 0.07714 8.39136 0.06797 0.00097
#3 5.08222 0.09493 0.01339 0.07660 8.36256 0.06756 0.00091
Mean 5.07185 0.09935 0.01681 0.07956 8.53342 0.07122 0.00105
RSD 0.49952 6.96100 33.56792 5.86972 3.18017 8.39747 18.54311

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.028 0.062 -0.003 0.003 -0.017 0.008 0.006
#2 0.026 0.053 -0.008 -0.006 -0.029 -0.001 -0.002
#3 0.026 0.052 -0.008 -0.008 -0.030 -0.002 -0.002
Mean 0.027 0.055 -0.006 -0.004 -0.025 0.001 0.001
RSD 4.126 10.175 51.625 155.290 27.959 381.678 492.209

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.05673 7.78991 -0.00682 0.00567 -0.00962 0.00041 0.00041
#2 0.05258 6.33652 -0.03138 -0.00673 -0.02597 -0.03462 -0.00154
#3 0.05216 6.19516 -0.03196 -0.00967 -0.02748 -0.03606 -0.00156
Mean 0.05382 6.77386 -0.02339 -0.00358 -0.02102 -0.02678 -0.00090
RSD 4.69713 13.03175 61.34426 227.65931 47.12653 55.43215 125.88169

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.027 0.160 -0.022 0.710 1.436 0.541 0.577
#2 0.027 0.160 -0.022 0.708 1.434 0.542 0.575
#3 0.029 0.160 -0.019 0.720 1.433 0.545 0.584
Mean 0.028 0.160 0.022 0.710 1.434 0.543 0.577
RSD 8.594 0.102 28.191 2.534 0.203 1.300 2.328

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.07386 0.11813 -0.00023 10.25290 38.42079 2.48073 33.78139
#2 0.06468 0.11837 -0.00853 9.82692 38.57722 2.41948 32.52478
#3 0.06417 0.11829 -0.00757 9.80348 38.51140 2.42077 32.36948
Mean 0.06757 0.11826 -0.00584 9.96110 38.50313 2.44146 32.89855
RSD 8.06780 0.10625 2.53968 0.20399 1.39635 0.20399 2.33308

Zoom In Zoom Out

Printed: 10/27/2009 8:12:46 AM User: Accutest. Raw data table for MA23347 page 85 of 235. Includes IS ratioed intensities, Reading, and Final concentrations for various elements.

Zoom In Zoom Out

Method: EPA3 File: it102609m1. Raw data table for MA23347 page 86 of 235. Includes IS ratioed intensities, Reading, and Final concentrations for various elements.

Zoom In Zoom Out

Printed: 10/27/2009 8:12:47 AM User: Accutest. Raw data table for MA23347 page 87 of 235. Includes IS ratioed intensities, Reading, and Final concentrations for various elements.

Zoom In Zoom Out

Method: EPA3 File: it102609m1. Raw data table for MA23347 page 88 of 235. Includes IS ratioed intensities, Reading, and Final concentrations for various elements.

6.1 6

Printed: 10/27/2009 8:12:47 AM User: Accutest
#1 0.24905 0.00315 0.02836 0.03695 0.00803 -0.00056 0.02521
#2 0.24726 0.00321 0.03023 0.04063 0.01148 0.00831 0.01781
#3 0.24840 0.00322 0.03187 0.03647 0.00631 0.00332 0.01229
Mean 0.24824 0.00319 0.03049 0.03808 0.00861 0.00369 0.01844
%RSD 0.35621 1.17596 4.18234 6.27995 30.58727 120.46193 35.15610

IS ratioed intensities
Reading Reading Reading
#1 0.029 0.389 61277.000
#2 0.045 0.371 61625.000
#3 0.037 0.363 61470.000
Mean 0.037 0.375 61457.333
%RSD 20.554 3.580 0.284

Method: EPA3 File: it102609ml
SampleId1: ja30199-12 SampleId2:
Analysis commenced: 10/26/2009 7:46:13 PM
Dilution ratio: 1.00000 to 1.00000

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.424 0.062 0.007 0.052 0.447 0.017 0.003
#2 0.430 0.058 0.005 0.047 0.430 0.015 0.002
#3 0.432 0.056 0.005 0.046 0.431 0.015 0.002
Mean 0.429 0.059 0.006 0.049 0.436 0.016 0.002
%RSD 0.990 4.323 15.905 5.179 2.184 6.089 13.767

Printed: 10/27/2009 8:12:47 AM User: Accutest
#1 0.39808 0.00342 0.02264 0.03197 0.00981 0.03303 -0.03664
#2 0.39164 -0.00130 0.01058 0.00867 -0.00666 0.01299 -0.04595
#3 0.39294 -0.00122 0.00985 0.00837 -0.00777 0.01003 -0.04339
Mean 0.39422 0.00030 0.01435 0.01633 -0.00154 0.01869 -0.04199
%RSD 0.86412 899.21559 50.03198 82.89147 639.44963 66.96974 11.45628

IS ratioed intensities
Reading Reading Reading
#1 0.109 0.118 62369.000
#2 0.055 0.115 59931.000
#3 0.051 0.125 59771.000
Mean 0.072 0.119 60690.333
%RSD 44.857 4.038 2.399

Method: EPA3 File: it102609ml
SampleId1: ja30199-13 SampleId2:
Analysis commenced: 10/26/2009 7:52:21 PM
Dilution ratio: 1.00000 to 1.00000

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.326 0.048 0.005 0.071 0.334 0.019 0.003
#2 0.326 0.048 0.005 0.071 0.334 0.019 0.003
#3 0.326 0.048 0.005 0.071 0.334 0.019 0.003
Mean 0.326 0.048 0.005 0.071 0.334 0.019 0.003
%RSD 0.074 0.313 1.777 0.217 0.175 0.620 1.297



Printed: 10/27/2009 8:12:47 AM User: Accutest
#1 1.96901 1.96422 2.03750 2.15026 2.08103 2.10860 2.02587
#2 1.96275 1.95907 2.03328 2.11048 2.06501 2.08543 2.02418
#3 1.97700 1.97721 2.05506 2.13613 2.07219 2.10434 2.00790
Mean 1.96959 1.96684 2.04195 2.13896 2.07274 2.09946 2.01932
%RSD 0.36266 0.47534 0.56555 0.47640 0.38698 0.58751 0.49126
2203/2 2203/1 INT STD
IS ratioed intensities
Reading Reading Reading
#1 3.425 4.818 58094.000
#2 3.380 4.816 58450.000
#3 3.406 4.778 58337.000
Mean 3.404 4.804 58296.333
%RSD 0.669 0.473 0.318
Final concentrations
ppm ppm intensity
#1 2.19214 2.06500 -2845.99
#2 2.16303 2.06537 -2840.10
#3 2.17994 2.04850 -2870.52
Mean 2.17837 2.06012 -2852.20
%RSD 0.67105 0.48946 0.57

Method: EPA3 File: it102609ml Printed: 10/27/2009 8:12:48 AM
SampleId1: CCB SampleId2: [FLXQC]
Analysis commenced: 10/26/2009 8:10:53 PM
Dilution ratio: 1.00000 to 1.00000
K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.070 0.000 0.000 0.002 0.001 0.000 0.002
#2 0.069 -0.001 0.000 0.001 0.001 0.000 0.002
#3 0.069 -0.001 0.000 0.001 0.001 0.000 0.002
Mean 0.069 -0.001 0.000 0.001 0.001 0.000 0.002
%RSD 0.532 38.565 87.711 48.576 35.997 27.981 7.814
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 1.23982 0.00065 0.00162 0.00120 0.01410 0.00155 0.00009
#2 1.23596 -0.00049 0.00011 0.00011 0.00532 0.00073 0.00001
#3 1.22742 -0.00051 -0.00016 -0.00009 0.00098 0.00056 -0.00004
Mean 1.23440 -0.00012 0.00054 0.00040 0.00680 0.00095 0.00002
%RSD 0.51406 562.33632 177.02354 172.04051 98.31478 56.14438 308.11732
Cu3247 Na3302 Pd3404 As1890 Tl1908 Sb2068 Cd2265
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.004 0.021 0.000 -0.001 -0.016 0.012 0.004
#2 0.003 0.019 -0.001 -0.003 -0.019 0.010 0.002
#3 0.003 0.019 -0.001 -0.002 -0.020 0.009 0.002
Mean 0.004 0.020 -0.001 -0.002 -0.018 0.011 0.003
%RSD 5.718 5.673 79.806 69.566 13.030 12.698 40.160
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.00148 1.20017 0.00429 0.00126 0.00793 0.00261 0.00070
#2 0.00068 0.92603 0.00058 -0.00274 0.00331 -0.00264 0.00020
#3 0.00064 0.87419 -0.00036 -0.00123 0.00131 -0.00456 0.00027
Mean 0.00094 1.00013 0.00150 -0.00090 0.00418 -0.00133 0.00049
%RSD 50.48838 17.51441 163.19093 223.12964 81.23589 242.87455 69.84086
Ni2316 Ba4934 Ag3280 Ca3179 Al3082 Si2881 Fe2714
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 -0.001 0.001 -0.011 0.002 0.009 0.033 0.001
#2 -0.001 0.000 -0.013 0.002 0.008 0.032 0.000
#3 -0.001 0.000 -0.013 0.002 0.008 0.031 0.000
Mean -0.001 0.000 -0.012 0.002 0.008 0.032 0.000
%RSD 24.228 16.734 7.756 4.170 2.610 2.938 86.695
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.00198 0.00021 0.00128 0.01215 -0.01994 -0.03086 0.03268
#2 0.00075 0.00013 -0.00016 0.01085 -0.02774 -0.03573 0.03398
#3 0.00146 0.00010 -0.00025 0.01004 -0.03020 -0.03986 0.00013
Mean 0.00140 0.00015 0.00029 0.01102 -0.02566 -0.03548 0.01227
%RSD 44.27061 38.15178 298.79780 9.67804 22.84666 12.69503 144.98704
Mn2576 Mo2020 Sn1899 Pb2203 Se1960 1960/2 1960/1
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.000 0.007 -0.007 0.000 0.000 0.030 0.080
#2 0.000 0.005 -0.009 0.000 0.000 0.026 0.084
#3 0.000 0.004 -0.010 0.000 0.000 0.028 0.090
Mean 0.000 0.005 -0.008 0.000 0.000 0.028 0.085
%RSD 18.572 30.287 19.627 5.005 0.455 6.275 6.240
Final concentrations
ppm ppm ppm ppm ppm ppm ppm

Printed: 10/27/2009 8:12:48 AM User: Accutest
#1 0.00035 0.00342 0.00499 -0.00160 0.00383 0.00098 0.00954
#2 0.00016 0.00132 -0.00043 -0.00149 -0.00079 -0.00418 0.00598
#3 0.00013 0.00059 -0.00155 -0.00292 -0.00076 -0.00090 -0.00049
Mean 0.00021 0.00177 0.00100 -0.00200 0.00076 -0.00137 0.00501
%RSD 55.17867 82.68845 348.90854 39.62429 350.92369 190.93927 101.54703
2203/2 2203/1 INT STD
IS ratioed intensities
Reading Reading Reading
#1 0.012 0.136 60662.000
#2 0.009 0.147 60114.000
#3 0.011 0.131 60424.000
Mean 0.010 0.138 60400.000
%RSD 16.635 5.809 0.455
Final concentrations
ppm ppm intensity
#1 -0.00245 0.00008 -6.97
#2 -0.00466 0.00485 0.60
#3 -0.00332 -0.00212 2.17
Mean -0.00347 0.00094 -1.40
%RSD 32.06599 380.17465 348.91

Method: EPA3 File: it102609ml Printed: 10/27/2009 8:12:48 AM
SampleId1: mp50224-mbl SampleId2: [SAMPLE]
Analysis commenced: 10/26/2009 8:17:11 PM
Dilution ratio: 1.00000 to 1.00000
K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.068 0.000 0.000 0.000 0.000 0.000 0.001
#2 0.068 -0.001 0.000 0.000 0.000 0.000 0.001
#3 0.068 -0.001 0.000 0.000 0.000 0.000 0.001
Mean 0.068 -0.001 0.000 0.000 0.000 0.000 0.001
%RSD 0.297 11.183 24.645 26.707 26.452 121.068 1.882
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 1.21990 0.00064 0.00055 -0.00021 0.00166 -0.00077 -0.00011
#2 1.21324 0.00041 0.00002 -0.00043 -0.00388 -0.00208 -0.00008
#3 1.21725 0.00044 -0.00014 -0.00054 -0.00153 -0.00159 -0.00009
Mean 1.21679 0.00049 0.00014 -0.00039 -0.00125 -0.00148 -0.00010
%RSD 0.27572 25.33946 250.52593 43.19828 222.02109 44.67903 14.43975
Cu3247 Na3302 Pd3404 As1890 Tl1908 Sb2068 Cd2265
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.004 0.018 -0.001 -0.006 -0.021 0.007 0.002
#2 0.004 0.017 -0.001 -0.006 -0.024 0.006 0.001
#3 0.003 0.017 -0.001 -0.004 -0.022 0.007 0.002
Mean 0.004 0.017 -0.001 -0.005 -0.022 0.007 0.002
%RSD 2.314 3.432 27.570 13.760 6.576 5.536 25.128
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.00082 0.71806 0.00075 0.00000 -0.00601 -0.01102 0.00028
#2 0.00080 0.54586 -0.00208 -0.00595 -0.00420 -0.01286 0.00005
#3 0.00049 0.57480 -0.00174 -0.00422 -0.00125 -0.01271 0.00016
Mean 0.00070 0.61290 -0.00102 -0.00539 -0.00185 -0.01220 0.00016
%RSD 26.45126 15.04458 151.39631 18.80153 113.78984 8.40927 68.89571
Ni2316 Ba4934 Ag3280 Ca3179 Al3082 Si2881 Fe2714
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 -0.001 0.001 0.001 0.003 0.008 0.034 0.000
#2 -0.001 0.000 -0.013 0.003 0.008 0.034 0.000
#3 -0.001 0.001 -0.013 0.003 0.008 0.033 0.000
Mean -0.001 0.001 -0.012 0.003 0.008 0.033 0.000
%RSD 7.157 8.997 4.790 1.646 0.110 3.169 52.558
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.00137 0.00024 0.00078 0.02643 -0.02439 -0.03701 0.01006
#2 0.00165 0.00017 -0.00021 0.02515 -0.02493 -0.02694 -0.00250
#3 0.00132 0.00022 -0.00008 -0.02620 -0.02463 -0.03160 0.00479
Mean 0.00144 0.00021 0.00016 0.02592 -0.02464 -0.03192 0.00412
%RSD 12.40014 17.31442 330.72875 2.62859 1.10769 15.77856 153.21422
Mn2576 Mo2020 Sn1899 Pb2203 Se1960 1960/2 1960/1
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.000 0.002 -0.008 0.000 0.000 0.032 -0.102
#2 0.000 0.001 -0.008 0.000 0.000 0.030 -0.110
#3 0.000 0.002 -0.008 0.000 0.000 0.030 -0.101
Mean 0.000 0.002 -0.008 0.000 0.000 0.031 -0.104
%RSD 8.093 22.789 4.533 8.997 0.256 4.519 4.552
Final concentrations
ppm ppm ppm ppm ppm ppm ppm



Printed: 10/27/2009 8:12:48 AM User: Accutest
#1 0.00012 -0.00141 0.00204 -0.00124 -0.00081 0.00471 -0.01187
#2 0.00007 -0.00203 0.00225 -0.00762 -0.00582 0.00079 -0.01905
#3 0.00004 -0.00169 0.00082 -0.00741 -0.00237 0.00173 -0.01058
Mean 0.00008 -0.00171 0.00170 -0.00542 -0.00300 0.00241 -0.01383
%RSD 53.15441 18.08453 45.55176 66.80080 85.39911 84.94771 33.01040

IS ratioed intensities
Reading Reading Reading
#1 0.027 0.097 61629.000
#2 0.015 0.087 61524.000
#3 0.011 0.100 61320.000
Mean 0.018 0.094 61491.000
%RSD 45.794 7.312 0.256

Final concentrations
ppm ppm intensity
#1 0.00683 -0.01739 -2.85
#2 -0.00048 -0.02190 -3.15
#3 -0.00312 -0.01599 -1.14
Mean 0.00108 -0.01843 -2.38
%RSD 478.34583 16.76094 45.55

Method: EPA3 File: it102609ml Printed: 10/27/2009 8:12:48 AM
SampleId1: mp50224-bl SampleId2:
Analysis commenced: 10/26/2009 8:23:18 PM
Dilution ratio: 1.00000 to 1.00000

K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.731 0.466 0.202 0.258 0.424 0.186 0.208
#2 0.731 0.467 0.202 0.260 0.424 0.186 0.208
#3 0.730 0.471 0.203 0.260 0.426 0.187 0.209
Mean 0.731 0.468 0.203 0.259 0.425 0.187 0.208
%RSD 0.110 0.523 0.371 0.270 0.295 0.277 0.163

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 12.40202 0.93623 0.94162 0.38175 12.08512 0.95130 0.09775
#2 12.38900 0.93826 0.94127 0.38354 12.08157 0.95102 0.09765
#3 12.37660 0.94560 0.94751 0.38355 12.14519 0.95572 0.09796
Mean 12.39121 0.94003 0.94347 0.38294 12.10396 0.95270 0.09779
%RSD 0.10596 0.52405 0.37144 0.27049 0.29534 0.27513 0.16243

Cu3247 Na3302 Pd3404 As1890 Tl1908 Sb2068 Cd2265
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.202 0.087 -0.002 2.608 2.474 0.365 0.381
#2 0.202 0.087 -0.002 2.608 2.478 0.366 0.384
#3 0.201 0.088 -0.002 2.612 2.480 0.365 0.388
Mean 0.202 0.087 -0.002 2.609 2.477 0.365 0.384
%RSD 0.173 0.662 14.360 0.107 0.111 0.114 0.909

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.45619 12.14980 -0.00370 3.65044 3.56756 0.97552 0.09895
#2 0.45534 12.24091 -0.00284 3.65357 3.57137 0.97691 0.09761
#3 0.45459 12.33002 -0.00134 3.65822 3.57567 0.97463 0.10077
Mean 0.45537 12.24024 -0.00243 3.65408 3.57213 0.97429 0.09929
%RSD 0.17614 0.73622 45.47808 0.10713 0.11634 0.11753 0.92168

Ni2316 Ba4934 Ag3280 Ca3179 Al3082 Si2881 Fe2714
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.433 4.796 0.097 0.905 1.867 0.039 0.928
#2 0.435 4.793 0.097 0.905 1.868 0.039 0.928
#3 0.434 4.777 0.097 0.908 1.866 0.039 0.931
Mean 0.434 4.789 0.097 0.906 1.867 0.039 0.929
%RSD 0.313 0.207 0.281 0.213 0.063 0.182 0.157

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.95996 3.57081 0.09917 12.45768 49.95705 -0.00847 52.17749
#2 0.95959 3.56915 0.09896 12.45422 49.97347 -0.00822 52.21232
#3 0.96343 3.55730 0.09945 12.50231 49.91311 -0.00781 52.33363
Mean 0.96311 3.56576 0.09920 12.47140 49.94788 -0.00817 52.24115
%RSD 0.31110 0.20662 0.24837 0.21506 0.06248 4.07099 0.15689

Mn2576 Mo2020 Sn1899 Pb2203 Se1960 1960/2 1960/1
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.554 0.000 0.000 0.000 0.000 2.616 3.766
#2 0.555 0.001 0.001 0.000 0.000 2.610 3.762
#3 0.556 0.001 0.001 0.000 0.000 2.606 3.767
Mean 0.555 0.001 0.000 0.000 0.000 2.611 3.765
%RSD 0.167 36.031 186.647 10.732 0.093 0.208 0.073

Final concentrations
ppm ppm ppm ppm ppm ppm ppm

Printed: 10/27/2009 8:12:48 AM User: Accutest
#1 0.92952 -0.00045 0.98765 3.80381 3.84561 3.72021
#2 0.93114 -0.00001 0.01846 0.99004 3.79622 3.83639 3.71587
#3 0.93263 -0.00014 0.02035 0.98517 3.79339 3.82975 3.72068
Mean 0.93110 -0.00020 0.01892 0.98762 3.79781 3.83725 3.71892
%RSD 0.16697 113.56990 6.69099 0.24622 0.14189 0.20764 0.07136

IS ratioed intensities
Reading Reading Reading
#1 1.565 2.326 57059.000
#2 1.574 2.315 57090.000
#3 1.561 2.321 57162.000
Mean 1.567 2.321 57103.667
%RSD 0.443 0.244 0.093

Final concentrations
ppm ppm intensity
#1 1.00107 0.96081 -25.06
#2 1.00717 0.95576 -25.79
#3 0.99852 0.95848 -28.42
Mean 1.00226 0.95835 -26.42
%RSD 0.44370 0.26355 6.69

Method: EPA3 File: it102609ml Printed: 10/27/2009 8:12:48 AM
SampleId1: mp50224-sl SampleId2:
Analysis commenced: 10/26/2009 8:29:26 PM
Dilution ratio: 1.00000 to 1.00000

K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 1.783 1.432 0.213 0.397 1.901 0.248 0.218
#2 1.781 1.430 0.213 0.397 1.899 0.244 0.218
#3 1.778 1.434 0.213 0.398 1.903 0.244 0.218
Mean 1.781 1.432 0.213 0.397 1.901 0.244 0.218
%RSD 0.145 0.138 0.202 0.206 0.121 0.109 0.130

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 30.50242 2.87580 0.99449 0.58646 54.22312 1.30828 0.10182
#2 30.47090 2.87344 0.99049 0.58883 54.16489 1.30555 0.10195
#3 30.41705 2.88118 0.99227 0.58617 54.29601 1.30710 0.10209
Mean 30.46346 2.87681 0.99242 0.58682 54.22801 1.30698 0.10195
%RSD 0.14170 0.13790 0.20173 0.20674 0.12114 0.10494 0.13390

Cu3247 Na3302 Pd3404 As1890 Tl1908 Sb2068 Cd2265
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.425 0.101 -0.011 2.666 2.416 0.169 0.399
#2 0.425 0.100 -0.011 2.660 2.410 0.170 0.400
#3 0.424 0.101 -0.011 2.668 2.412 0.168 0.402
Mean 0.424 0.101 -0.011 2.665 2.413 0.169 0.400
%RSD 0.041 0.191 2.350 0.157 0.129 0.576 0.455

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.96676 15.53641 -0.04425 3.72928 3.39113 0.43727 0.09817
#2 0.96648 15.52553 -0.04435 3.72031 3.38258 0.43943 0.09845
#3 0.96596 15.58095 -0.04232 3.73134 3.38485 0.43412 0.09911
Mean 0.96640 15.54763 -0.04364 3.72698 3.38619 0.43694 0.09858
%RSD 0.04171 0.18888 2.62463 0.15722 0.13083 0.61134 0.48787

Ni2316 Ba4934 Ag3280 Ca3179 Al3082 Si2881 Fe2714
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.490 5.370 0.093 3.096 6.144 0.624 4.624
#2 0.491 5.364 0.092 3.095 6.145 1.070 4.619
#3 0.490 5.350 0.093 3.100 6.137 1.072 4.622
Mean 0.490 5.361 0.093 3.097 6.143 1.072 4.622
%RSD 0.103 0.188 0.126 0.088 0.097 0.187 0.049

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 1.08777 3.99638 0.09505 42.77481 165.75170 4.97530 260.62753
#2 1.08978 3.99171 0.09491 42.75412 165.65787 4.95605 260.37824
#3 1.08800 3.98171 0.09511 42.82765 165.43867 4.96387 260.55097
Mean 1.08851 3.98993 0.09502 42.78553 165.61641 4.96506 260.51891
%RSD 0.10153 0.18783 0.11074 0.08862 0.09667 0.19504 0.04902

Mn2576 Mo2020 Sn1899 Pb2203 Se1960 1960/2 1960/1
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 2.956 0.009 0.025 0.000 0.000 2.417 3.532
#2 2.950 0.009 0.026 0.000 0.000 2.397 3.529
#3 2.954 0.009 0.025 0.000 0.000 2.432 3.566
Mean 2.953 0.009 0.025 0.000 0.000 2.415 3.542
%RSD 0.114 2.405 1.756 0.190 0.190 0.731 0.580

Final concentrations
ppm ppm ppm ppm ppm ppm ppm



Printed: 10/27/2009 8:12:48 AM User: Accutest
#1 4.95994 0.01143 0.06255 1.50710 3.61666 3.67231 3.50536
#2 4.94873 0.01129 0.06441 1.49772 3.59583 3.64266 3.50216
#3 4.95545 0.01168 0.06377 1.52443 3.64240 3.69463 3.53795
Mean 4.95470 0.01147 0.06358 1.50975 3.61830 3.66986 3.51516
RSD 0.11388 1.70349 1.48640 0.89751 0.64481 0.71036 0.56344
2203/2 2203/1 INT STD
IS ratioed intensities
Reading Reading Reading
#1 2.378 3.605 62895.000
#2 2.356 3.605 62934.000
#3 2.397 3.665 62812.000
Mean 2.377 3.625 62813.667
RSD 0.873 0.962 0.190
Final concentrations
ppm ppm intensity
#1 1.54348 1.43435 -87.37
#2 1.52942 1.43432 -89.97
#3 1.55599 1.46130 -89.08
Mean 1.54296 1.44332 -88.81
RSD 0.86171 1.07853 1.49

Method : EPA3 File : it102609ml Printed : 10/27/2009 8:12:48 AM
SampleId1 : mg50224-e2 SampleId2 :
Analysis commenced : 10/26/2009 8:35:33 PM
Dilution ratio : 1.00000 to 1.00000
K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 1.668 0.666 0.184 0.317 1.896 0.210 0.178
#2 1.665 0.673 0.186 0.318 1.905 0.211 0.180
#3 1.677 0.667 0.185 0.317 1.900 0.210 0.179
Mean 1.670 0.669 0.185 0.318 1.900 0.210 0.179
RSD 0.374 0.616 0.378 0.242 0.238 0.171 0.437
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 28.40485 1.33597 0.85815 0.46822 54.07136 1.12165 0.08297
#2 28.36744 1.35161 0.86465 0.47029 54.32876 1.12761 0.08370
#3 28.56177 1.33909 0.86186 0.46843 54.18552 1.12334 0.08346
Mean 28.44669 1.34222 0.86155 0.46898 54.19521 1.12353 0.08338
RSD 0.36248 0.61687 0.37836 0.24284 0.23798 0.17687 0.44650
Cu3247 Na3302 Pd3404 As1890 Tl1908 Sb2068 Cd2265
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.342 0.094 -0.003 2.318 2.110 0.152 0.350
#2 0.344 0.095 -0.003 2.326 2.126 0.154 0.352
#3 0.344 0.094 -0.004 2.324 2.116 0.151 0.347
Mean 0.343 0.094 -0.003 2.323 2.117 0.153 0.350
RSD 0.317 0.971 10.471 0.182 0.405 0.952 0.775
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.77780 14.12320 -0.00974 3.24288 2.96992 0.39091 0.08668
#2 0.78107 14.40548 -0.00772 3.25434 2.99373 0.39584 0.08724
#3 0.78271 14.19782 -0.01069 3.25306 2.97851 0.38811 0.08583
Mean 0.78053 14.24217 -0.00939 3.24943 2.98073 0.39263 0.08659
RSD 0.32015 1.02703 16.19575 0.18161 0.40454 0.99938 0.81904
Ni2316 Ba4934 Ag3280 Ca3179 Al3082 Si2881 Fe2714
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.422 4.706 0.078 3.773 5.243 0.774 3.765
#2 0.425 4.701 0.079 3.793 5.247 0.778 3.786
#3 0.422 4.733 0.078 3.780 5.267 0.779 3.775
Mean 0.423 4.713 0.078 3.782 5.252 0.777 3.775
RSD 0.493 0.359 0.862 0.269 0.248 0.305 0.272
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.93701 3.50249 0.08236 52.20867 141.26757 3.52933 212.20035
#2 0.94573 3.49875 0.08304 52.48792 141.36139 3.54746 213.35692
#3 0.93877 3.52221 0.08182 52.31390 141.91791 3.55041 212.74151
Mean 0.94050 3.50782 0.08241 52.33683 141.51562 3.54240 212.76626
RSD 0.48991 0.35940 0.74093 0.26947 0.24840 0.32221 0.27198
Mn2576 Mo2020 Sn1899 Pb2203 Se1960 1960/2 1960/1
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 2.339 0.002 0.010 0.000 0.000 0.000 0.000
#2 2.349 0.003 0.012 0.000 0.000 0.000 0.000
#3 2.344 0.002 0.009 0.000 0.000 0.000 0.000
Mean 2.344 0.002 0.010 0.000 0.000 0.000 0.000
RSD 0.207 28.879 12.446 10.610 0.319 0.647 0.471
Final concentrations
ppm ppm ppm ppm ppm ppm ppm

Printed: 10/27/2009 8:12:48 AM User: Accutest
#1 3.92390 0.00412 0.03355 1.34561 3.16203 3.22726 3.03156
#2 3.94014 0.00508 0.03625 1.33282 3.15100 3.22124 3.01050
#3 3.93308 0.00387 0.03078 1.34628 3.17465 3.25907 3.00582
Mean 3.93237 0.00436 0.03353 1.34157 3.16256 3.23586 3.01596
RSD 0.20707 14.77502 8.16604 0.56535 0.37428 0.62816 0.45458
2203/2 2203/1 INT STD
IS ratioed intensities
Reading Reading Reading
#1 2.134 3.194 67793.000
#2 2.114 3.166 67715.000
#3 2.147 3.163 67387.000
Mean 2.132 3.174 67631.667
RSD 0.769 0.545 0.319
Final concentrations
ppm ppm intensity
#1 1.38439 1.26806 -46.86
#2 1.37165 1.25516 -50.64
#3 1.39256 1.25371 -42.99
Mean 1.38287 1.25898 -46.83
RSD 0.76193 0.62756 8.17

Method : EPA3 File : it102609ml Printed : 10/27/2009 8:12:48 AM
SampleId1 : ja30252-1 SampleId2 :
Analysis commenced : 10/26/2009 8:14:41 PM
Dilution ratio : 1.00000 to 1.00000
K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 1.091 0.316 0.020 0.131 1.423 0.068 0.007
#2 1.088 0.320 0.020 0.131 1.430 0.069 0.008
#3 1.088 0.319 0.020 0.131 1.426 0.069 0.007
Mean 1.089 0.318 0.020 0.131 1.425 0.069 0.007
RSD 0.196 0.694 0.833 0.313 0.316 0.483 1.900
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 18.78956 0.63563 0.09528 0.19177 40.54242 0.40615 0.00211
#2 18.73298 0.64433 0.09682 0.19274 40.79954 0.40980 0.00223
#3 18.70822 0.64161 0.09580 0.19288 40.66997 0.40773 0.00211
Mean 18.75025 0.64052 0.09597 0.19246 40.67064 0.40789 0.00215
RSD 0.18198 0.69437 0.81877 0.31592 0.31611 0.44913 0.304962
Cu3247 Na3302 Pd3404 As1890 Tl1908 Sb2068 Cd2265
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.145 0.029 -0.007 0.172 0.044 0.010 0.034
#2 0.144 0.032 -0.006 0.176 0.043 0.012 0.034
#3 0.144 0.030 -0.007 0.174 0.044 0.010 0.034
Mean 0.145 0.030 -0.007 0.174 0.044 0.011 0.034
RSD 0.118 4.280 6.836 1.148 1.799 12.003 0.495
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.32489 3.67975 -0.02725 0.23791 0.00336 -0.00263 0.00352
#2 0.32337 4.07631 -0.02325 0.24345 0.00063 0.00374 0.00353
#3 0.32347 3.78752 -0.02486 0.24024 0.00225 -0.00235 0.00359
Mean 0.32364 3.84786 -0.02512 0.24053 0.00208 -0.00041 0.00355
RSD 0.12165 5.32898 7.99729 1.15498 66.03584 872.20380 1.15210
Ni2316 Ba4934 Ag3280 Ca3179 Al3082 Si2881 Fe2714
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.064 0.896 0.006 2.106 4.085 0.658 3.525
#2 0.064 0.892 -0.009 2.119 4.079 0.661 3.544
#3 0.065 0.892 -0.010 2.114 4.075 0.656 3.534
Mean 0.064 0.893 -0.010 2.113 4.079 0.658 3.534
RSD 0.600 0.241 7.483 0.311 0.123 0.378 0.265
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.14745 0.66478 0.00157 29.13484 110.17489 2.97016 198.76118
#2 0.14764 0.66181 0.00289 29.31674 110.01868 2.98293 199.82085
#3 0.14901 0.66223 0.00250 29.23872 109.90475 2.95903 199.25205
Mean 0.14804 0.66294 0.00232 29.23010 110.03277 2.97071 199.29136
RSD 0.57503 0.24247 29.17835 0.31220 0.12326 0.40250 0.26586
Mn2576 Mo2020 Sn1899 Pb2203 Se1960 1960/2 1960/1
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 2.230 0.003 0.007 0.000 0.000 0.000 0.000
#2 2.236 0.004 0.008 0.000 0.000 0.000 0.000
#3 2.230 0.003 0.006 0.000 0.000 0.000 0.000
Mean 2.232 0.003 0.007 0.000 0.000 0.000 0.000
RSD 0.159 14.947 16.300 5.793 0.331 8.076 4.181
Final concentrations
ppm ppm ppm ppm ppm ppm ppm





Printed: 10/27/2009 8:12:49 AM User: Accutest
#1 4.41505 0.00535 0.03162 6.15494 0.02692 0.04116 -0.00156
#2 4.39532 0.00508 0.03015 6.09576 0.02919 0.04341 0.00075
#3 4.42354 0.00547 0.03110 6.18199 0.03074 0.04385 0.00450
Mean 4.41130 0.00530 0.03096 6.14423 0.02895 0.04281 0.00123
%RSD 0.32817 3.70264 2.40778 0.71780 6.62845 3.37051 249.10592
2203/2 2203/1 INT STD
IS ratioed intensities
Reading Reading Reading
#1 9.815 13.486 64453.000
#2 9.652 13.555 64259.000
#3 9.818 13.658 64041.000
Mean 9.762 13.566 64251.000
%RSD 0.971 0.638 0.321
Final concentrations
ppm ppm intensity
#1 6.30366 5.85749 -44.17
#2 6.19950 5.88828 -42.12
#3 6.30598 5.93401 -43.44
Mean 6.26971 5.93226 -43.24
%RSD 0.97008 0.65331 2.41

Method: EPA3 File: it102609ml Printed: 10/27/2009 8:12:49 AM
SampleId1: ja30252-3 SampleId2:
Analysis commenced: 10/26/2009 9:00:03 PM
Dilution ratio: 1.00000 to 1.00000
K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.748 0.331 0.021 0.154 1.298 0.074 0.010
#2 0.744 0.328 0.021 0.153 1.289 0.073 0.009
#3 0.744 0.331 0.021 0.155 1.297 0.074 0.010
Mean 0.745 0.330 0.021 0.154 1.295 0.074 0.010
%RSD 0.278 0.560 0.586 0.525 0.376 0.250 0.376
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 13.15434 0.66561 0.09891 0.22646 37.03436 0.44195 0.00308
#2 13.08922 0.65937 0.09856 0.22346 36.91453 0.43965 0.00307
#3 13.09549 0.66635 0.09968 0.22784 37.00692 0.44178 0.00310
Mean 13.11301 0.66384 0.09905 0.22659 36.94091 0.44119 0.00308
%RSD 0.27395 0.55997 0.57600 0.52901 0.37567 0.26478 0.51358
Cu3247 Na3302 Pd3404 As1890 Tl1908 Sb2068 Cd2265
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.168 0.028 -0.011 0.542 0.051 0.011 0.034
#2 0.167 0.028 -0.011 0.540 0.055 0.010 0.035
#3 0.167 0.029 -0.010 0.539 0.056 0.011 0.034
Mean 0.167 0.028 -0.011 0.540 0.054 0.011 0.034
%RSD 0.320 2.647 2.567 0.258 4.626 6.070 1.678
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.37751 3.53322 -0.04307 0.75455 0.00113 0.00034 0.00284
#2 0.37554 3.60510 -0.04358 0.75225 0.00074 -0.00279 0.00315
#3 0.37524 3.75859 -0.04128 0.75069 0.00789 0.00024 0.00287
Mean 0.37610 3.63230 0.04264 0.75250 0.00540 0.00540 0.00285
%RSD 0.32700 3.16946 2.83104 0.25801 68.88258 257.05882 5.79138
Ni2316 Ba4934 Ag3280 Ca3179 Al3082 Si2881 Fe2714
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.070 0.749 -0.009 2.229 3.978 0.600 3.974
#2 0.070 0.745 -0.010 2.211 3.960 0.598 3.950
#3 0.069 0.745 -0.009 2.230 3.964 0.590 3.971
Mean 0.070 0.746 -0.010 2.224 3.967 0.597 3.965
%RSD 0.297 0.313 2.714 0.473 0.240 0.857 0.335
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.15973 0.55538 0.00286 30.84411 107.29949 2.69132 224.13111
#2 0.16036 0.55239 0.00254 30.59402 106.81063 2.67866 222.74396
#3 0.15937 0.55235 0.00300 30.84891 106.91631 2.64356 223.95718
Mean 0.15979 0.55337 0.00280 30.76235 107.00881 2.67108 223.60475
%RSD 0.28005 0.31368 8.30682 0.47395 0.24037 0.92456 0.33420
Mn2576 Mo2020 Sn1899 Pb2203 Se1960 1960/2 1960/1
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 2.358 0.006 0.008 0.000 0.000 0.000 0.000
#2 2.344 0.006 0.007 0.000 0.000 0.000 0.000
#3 2.354 0.007 0.009 0.000 0.000 0.000 0.000
Mean 2.352 0.006 0.008 0.000 0.000 -0.031 -0.104
%RSD 0.310 9.837 10.122 28.009 7.621 3.881 1.252
Final concentrations
ppm ppm ppm ppm ppm ppm ppm

Printed: 10/27/2009 8:12:49 AM User: Accutest
#1 3.95648 0.00599 0.02536 0.28978 0.02668 0.04317 -0.00569
#2 3.93275 0.00670 0.02403 0.28860 0.02447 0.03882 -0.00421
#3 3.94969 0.00704 0.02727 0.28989 0.02646 0.04129 -0.00320
Mean 3.94630 0.00658 0.02555 0.28942 0.02594 0.04109 -0.00437
%RSD 0.30965 8.14456 6.37424 0.24814 4.96258 5.31818 28.64802
2203/2 2203/1 INT STD
IS ratioed intensities
Reading Reading Reading
#1 0.473 0.882 64252.000
#2 0.471 0.880 64582.000
#3 0.473 0.883 64517.000
Mean 0.472 0.881 64450.333
%RSD 0.266 0.178 0.271
Final concentrations
ppm ppm intensity
#1 0.31331 0.24271 -35.43
#2 0.31171 0.24237 -33.56
#3 0.31305 0.24358 -38.09
Mean 0.31269 0.24289 -35.69
%RSD 0.27466 0.25761 6.37

Method: EPA3 File: it102609ml Printed: 10/27/2009 8:12:49 AM
SampleId1: ja30252-4 SampleId2:
Analysis commenced: 10/26/2009 9:06:10 PM
Dilution ratio: 1.00000 to 1.00000
K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.936 0.308 0.033 0.217 1.788 0.090 0.020
#2 0.933 0.304 0.032 0.215 1.778 0.090 0.020
#3 0.933 0.313 0.033 0.219 1.805 0.091 0.020
Mean 0.934 0.308 0.033 0.217 1.790 0.090 0.020
%RSD 0.187 1.498 1.438 1.006 0.775 0.799 1.540
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 16.47199 0.61928 0.15544 0.31911 50.99503 0.55837 0.00790
#2 16.41204 0.61158 0.15384 0.31665 50.70687 0.55357 0.00778
#3 16.43426 0.63008 0.15822 0.32306 51.48933 0.56245 0.00806
Mean 16.43943 0.62031 0.15583 0.31960 51.06374 0.55813 0.00791
%RSD 0.18435 1.49831 1.42406 1.01138 0.77497 0.79639 1.78632
Cu3247 Na3302 Pd3404 As1890 Tl1908 Sb2068 Cd2265
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.135 0.023 -0.017 0.045 0.089 0.010 0.044
#2 0.134 0.022 -0.017 0.045 0.088 0.009 0.043
#3 0.135 0.025 -0.016 0.049 0.095 0.013 0.045
Mean 0.135 0.023 -0.017 0.046 0.091 0.011 0.044
%RSD 0.402 6.464 3.966 5.011 4.019 20.937 2.631
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.30008 3.21535 -0.07148 0.05627 0.00715 -0.00215 0.00287
#2 0.29838 3.06951 -0.07268 0.05698 0.00686 -0.00743 0.00264
#3 0.30077 3.54746 -0.06705 0.06208 0.01418 0.00480 0.00312
Mean 0.29974 3.27744 -0.07040 0.05844 0.00940 -0.00159 0.00288
%RSD 0.41006 7.47377 4.21540 5.42729 44.09701 384.63251 8.39543
Ni2316 Ba4934 Ag3280 Ca3179 Al3082 Si2881 Fe2714
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.113 1.163 -0.012 2.193 7.058 0.575 5.775
#2 0.113 1.160 -0.013 2.177 7.038 0.575 5.734
#3 0.115 1.159 -0.011 2.207 7.061 0.579 5.824
Mean 0.113 1.160 -0.012 2.192 7.053 0.577 5.778
%RSD 0.837 0.185 9.303 0.693 0.376 0.387 0.783
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.25606 0.86263 0.00050 30.30488 190.58302 2.56609 325.55629
#2 0.25580 0.86034 -0.00003 30.07756 190.05833 2.56560 323.23053
#3 0.25602 0.85985 0.00189 30.49743 190.68366 2.56426 328.32714
Mean 0.25729 0.86084 0.00079 30.29329 190.44167 2.57196 325.70465
%RSD 0.91941 0.18613 126.00418 0.69379 0.17631 0.41200 0.78339
Mn2576 Mo2020 Sn1899 Pb2203 Se1960 1960/2 1960/1
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 2.849 0.001 0.006 0.000 0.000 0.000 -0.070
#2 2.833 0.000 0.006 0.000 0.000 -0.066 -0.109
#3 2.869 0.005 0.009 0.000 0.000 0.000 -0.101
Mean 2.850 0.002 0.007 0.000 0.000 -0.070 -0.103
%RSD 0.641 90.471 25.678 21.650 0.017 3.902 5.555
Final concentrations
ppm ppm ppm ppm ppm ppm ppm

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#1 4.77992 0.00400 0.01812 0.16515 0.03010 0.04223 0.00585
#2 4.75226 0.00313 0.01671 0.16623 0.02960 0.04670 -0.00458
#3 4.81440 0.00573 0.02381 0.15820 0.02939 0.04209 0.00401
Mean 4.78253 0.00429 0.01955 0.16319 0.02970 0.04367 0.00176
%RSD 0.64093 30.81153 19.21238 2.66925 1.22432 6.00677 316.33834

IS ratioed intensities
Reading Reading Reading
#1 0.240 0.753 68143.000
#2 0.245 0.745 68120.000
#3 0.227 0.745 68130.000
Mean 0.237 0.748 68131.000
%RSD 3.890 0.586 0.017

Final concentrations
ppm ppm intensity
#1 0.17699 0.14148 -25.31
#2 0.17988 0.13892 -23.34
#3 0.16869 0.13724 -33.25
Mean 0.17519 0.13921 -27.30
%RSD 3.31810 1.53311 19.21

Method: EPA3 File: it102609ml
SampleId1: ja30252-5 SampleId2:
Analysis commenced: 10/26/2009 9:12:17 PM
Dilution ratio: 1.00000 to 1.00000
K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.504 0.182 0.027 0.145 1.040 0.090 0.010
#2 0.505 0.182 0.027 0.145 1.041 0.090 0.010
#3 0.504 0.182 0.027 0.144 1.039 0.090 0.010
Mean 0.504 0.182 0.027 0.145 1.040 0.090 0.010
%RSD 0.100 0.005 0.386 0.322 0.114 0.265 0.330

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 9.16280 0.36635 0.12884 0.21330 29.68065 0.52212 0.00312
#2 9.17212 0.36637 0.12814 0.21343 29.61149 0.52262 0.00315
#3 9.15263 0.36634 0.12818 0.21217 29.64305 0.52028 0.00315
Mean 9.16251 0.36635 0.12872 0.21297 29.67803 0.52174 0.00314
%RSD 0.10638 0.00410 0.37993 0.32369 0.11372 0.25184 0.51018

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.107 0.021 -0.012 0.027 0.057 0.009 0.034
#2 0.108 0.021 -0.012 0.028 0.052 0.009 0.033
#3 0.107 0.021 -0.012 0.028 0.052 0.009 0.032
Mean 0.108 0.021 -0.012 0.028 0.054 0.009 0.033
%RSD 0.433 0.408 0.297 1.761 4.688 1.961 2.700

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.23833 2.71561 -0.04700 0.03440 0.00846 -0.00575 0.00270
#2 0.23949 2.69160 -0.04717 0.03538 0.00172 -0.00481 0.00268
#3 0.23736 2.70634 -0.04730 0.03573 0.00275 -0.00531 0.00260
Mean 0.23840 2.70451 -0.04715 0.03517 0.00431 0.00529 0.00266
%RSD 0.44772 0.44771 0.32290 1.96623 84.18197 8.86949 8.84675

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.071 0.581 -0.012 1.474 3.842 0.666 4.027
#2 0.071 0.582 -0.012 1.477 3.845 0.664 4.033
#3 0.071 0.581 -0.012 1.472 3.837 0.663 4.013
Mean 0.071 0.581 -0.012 1.474 3.841 0.664 4.026
%RSD 0.068 0.092 2.772 0.187 0.117 0.179 0.173

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.16374 0.43061 0.00079 20.34940 103.62279 3.00478 227.09511
#2 0.16359 0.43113 0.00036 20.39486 103.71666 2.99871 227.44796
#3 0.16378 0.43036 0.00021 20.31913 103.47470 2.99337 226.61817
Mean 0.16370 0.43070 0.00045 20.35447 103.60472 2.99895 227.06831
%RSD 0.06212 0.09182 66.21065 0.18730 0.11774 0.19026 0.17340

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 2.980 0.003 0.006 0.000 0.000 -0.034 -0.099
#2 2.984 0.003 0.006 0.000 0.000 0.000 0.096
#3 2.971 0.003 0.006 0.000 0.000 -0.029 -0.085
Mean 2.979 0.003 0.006 0.000 0.000 -0.032 -0.093
%RSD 0.217 4.394 6.375 0.212 0.212 7.006 8.003

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.16374 0.43061 0.00079 20.34940 103.62279 3.00478 227.09511
#2 0.16359 0.43113 0.00036 20.39486 103.71666 2.99871 227.44796
#3 0.16378 0.43036 0.00021 20.31913 103.47470 2.99337 226.61817
Mean 0.16370 0.43070 0.00045 20.35447 103.60472 2.99895 227.06831
%RSD 0.06212 0.09182 66.21065 0.18730 0.11774 0.19026 0.17340

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#1 4.99960 0.00360 0.02195 0.13153 0.02673 0.03925 0.00167
#2 5.00631 0.00377 0.02277 0.13288 0.02784 0.03981 0.00389
#3 4.99509 0.00354 0.02218 0.14197 0.03495 0.04490 0.01504
Mean 4.99700 0.00364 0.02197 0.13546 0.02984 0.04132 0.00687
%RSD 0.21710 3.19727 3.62738 4.19130 14.95419 7.53826 104.27772

IS ratioed intensities
Reading Reading Reading
#1 0.217 0.562 64380.000
#2 0.219 0.563 64597.000
#3 0.228 0.599 64345.000
Mean 0.221 0.575 64440.667
%RSD 2.690 3.667 0.212

Final concentrations
ppm ppm intensity
#1 0.14695 0.10068 -30.66
#2 0.14865 0.10134 -31.81
#3 0.15422 0.11747 -29.59
Mean 0.14994 0.10649 -30.68
%RSD 2.53465 8.92871 3.63

Method: EPA3 File: it102609ml
SampleId1: CCV SampleId2:
Analysis commenced: 10/26/2009 9:18:26 PM
Dilution ratio: 1.00000 to 1.00000
K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 2.258 1.041 0.437 1.372 1.470 0.410 3.553
#2 2.268 1.023 0.434 1.363 1.459 0.408 4.297
#3 2.274 1.031 0.436 1.369 1.468 0.410 4.335
Mean 2.267 1.031 0.436 1.368 1.466 0.409 4.328
%RSD 0.351 0.856 0.314 0.348 0.407 0.341 0.670

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 37.91132 2.09251 2.04079 2.03226 41.93078 2.07075 2.08495
#2 38.06975 2.05709 2.02874 2.01834 41.61081 2.05770 2.05775
#3 38.17450 2.07245 2.03839 2.02737 41.87157 2.06901 2.07638
Mean 38.05186 2.07402 2.03598 2.02599 41.80439 2.06582 2.07303
%RSD 0.34822 0.85624 0.31328 0.34855 0.40722 0.34292 0.67105

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.830 0.267 0.423 1.434 1.351 0.768 8.150
#2 0.832 0.264 0.422 1.422 1.341 0.765 8.055
#3 0.834 0.267 0.424 1.433 1.356 0.772 8.099
Mean 0.832 0.266 0.423 1.430 1.349 0.768 8.101
%RSD 0.253 0.732 0.180 0.479 0.578 0.443 0.585

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 1.89910 40.62615 1.88745 2.02365 1.97200 2.09840 2.15048
#2 1.90280 40.11050 1.88593 2.00605 1.95791 2.08880 2.12548
#3 1.90872 40.65684 1.89240 2.02160 1.97998 2.10760 2.13697
Mean 1.90354 40.46450 1.88859 2.01710 1.96996 2.09827 2.13764
%RSD 0.25479 0.75857 0.17911 0.47702 0.56726 0.44816 0.58553

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.939 2.524 0.264 3.042 1.438 2.730 1.160
#2 0.929 2.537 0.263 3.011 1.442 1.156 0.723
#3 0.937 2.546 0.264 3.034 1.449 1.162 0.729
Mean 0.935 2.536 0.264 3.029 1.443 1.159 0.728
%RSD 0.589 0.433 0.197 0.531 0.372 0.267 0.529

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 2.08000 1.87893 0.25008 42.06515 38.53484 5.38025 41.06583
#2 2.05719 1.88817 0.24930 41.63643 38.63611 5.36344 40.65300
#3 2.07596 1.89525 0.25014 41.95322 38.81888 5.39313 40.97454
Mean 2.07105 1.88745 0.24984 41.88597 38.66328 5.37894 40.89779
%RSD 0.58756 0.43358 0.18838 0.53204 0.37233 0.27684 0.53024

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#1 1.97142 1.97721 2.06822 2.10509 2.04168 2.07565 1.97373
#2 1.95990 1.96858 2.05020 2.13763 2.06847 2.08166 2.04209
#3 1.97101 1.97715 2.06021 2.14256 2.08267 2.12109 2.00581
Mean 1.96744 1.97431 2.05988 2.12842 2.06427 2.09280 2.00721
%RSD 0.33222 0.25157 0.46183 0.95652 1.00834 1.17955 1.70401

IS ratioed intensities
Reading Reading Reading
#1 3.372 4.667 58281.000
#2 3.395 4.820 57849.000
#3 3.425 4.767 57717.000
Mean 3.397 4.751 57949.000
%RSD 0.783 1.641 0.509

Final concentrations
ppm ppm intensity
#1 2.15809 1.99908 -2890.30
#2 2.17271 2.06746 -2863.73
#3 2.19211 2.04344 -2877.72
Mean 2.17431 2.03666 -2877.25
%RSD 0.78486 1.70334 0.46

Method: EPA3 File: it102609ml
SampleId1: CCB SampleId2:
Analysis commenced: 10/26/2009 9:24:45 PM
Dilution ratio: 1.00000 to 1.00000

K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.064 -0.001 0.000 0.001 0.000 0.000 0.000

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 1.15012 -0.00057 -0.00027 -0.00227 -0.00066 0.00111 -0.00111
#2 1.16764 -0.00120 -0.00031 -0.00203 -0.00041 0.00014 -0.00014

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.004 0.019 -0.001 -0.003 -0.024 0.009 0.002
#2 0.004 0.019 -0.002 -0.005 -0.025 0.009 0.001

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.00138 0.87027 -0.00082 -0.00232 -0.00368 -0.00541 0.00016
#2 0.00076 0.82769 -0.00223 -0.00441 -0.00603 -0.00705 -0.00008

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 -0.001 0.001 -0.013 0.002 0.009 0.032 0.001
#2 -0.002 0.001 -0.014 0.002 0.009 0.033 0.001

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.00077 0.00025 -0.00007 0.00598 -0.00193 -0.03407 0.04037
#2 0.00081 0.00020 -0.00016 0.00031 -0.00203 -0.00441 0.03511

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.001 0.005 -0.011 0.000 0.000 0.034 -0.102
#2 0.001 0.005 -0.011 0.000 0.000 0.034 -0.109

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.00077 0.00025 -0.00007 0.00598 -0.00193 -0.03407 0.04037
#2 0.00081 0.00020 -0.00016 0.00031 -0.00203 -0.00441 0.03511

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#1 0.00070 -0.00352 0.00000 0.00050 0.00681 -0.01212
#2 0.00069 -0.00005 -0.00477 -0.00153 -0.00092 0.00782 -0.01838

IS ratioed intensities
Reading Reading Reading
#1 0.018 0.129 56915.000
#2 0.017 0.122 55601.000
#3 0.026 0.154 56993.000
Mean 0.020 0.135 56503.000
%RSD 24.525 12.462 1.384

Final concentrations
ppm ppm intensity
#1 0.00149 -0.00299 4.92
#2 0.00068 -0.00594 6.66
#3 0.00660 0.00831 7.21
Mean 0.00293 -0.00021 6.26
%RSD 109.76994 3589.39714 19.14

Method: EPA3 File: it102609ml
SampleId1: ja30252-6 SampleId2:
Analysis commenced: 10/26/2009 9:11:03 PM
Dilution ratio: 1.00000 to 1.00000

K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.665 0.904 0.029 0.158 1.588 0.015 0.015

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 11.85843 1.81790 0.13801 0.23237 45.31448 0.92624 0.00484
#2 12.07513 1.76937 0.13198 0.22778 44.65113 0.91551 0.00457

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.260 0.032 -0.014 0.122 0.066 0.011 0.039
#2 0.263 0.026 -0.017 0.115 0.056 0.004 0.034

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.58756 4.36387 -0.05776 0.16639 0.00714 0.00175 0.00328
#2 0.59617 3.54553 -0.07251 0.15655 -0.00655 -0.01763 0.00213

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.113 0.749 -0.017 4.200 4.861 0.816 4.616
#2 0.110 0.761 -0.017 4.145 4.920 0.838 4.567

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.25550 0.55513 0.00070 58.17921 131.21081 3.81558 260.30027
#2 0.24917 0.56424 -0.00354 57.41635 132.80945 3.83520 257.53193

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 2.808 0.011 0.044 0.000 0.000 -0.048 -0.094
#2 2.797 0.006 0.038 0.000 0.000 -0.056 -0.114

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.24917 0.56424 -0.00354 57.41635 132.80945 3.83520 257.53193
#2 0.25087 0.56017 -0.00200 57.62609 132.01163 3.83956 258.20623





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#1 5.89842 0.00825 0.02579 0.24901 0.02465 0.03836 -0.00278
#2 5.92704 0.00746 0.02400 0.25669 0.02905 0.04146 0.00423
#3 5.97978 0.00884 0.02865 0.25260 0.02479 0.03773 -0.00108
Mean 5.93535 0.00819 0.02614 0.25277 0.02616 0.03918 0.00012
%RSD 0.69408 8.46994 8.96832 1.52004 9.57114 5.10484 2952.02571
2203/2 2203/1 INT STD
IS ratioed intensities
Reading Reading Reading
#1 0.385 0.880 62248.000
#2 0.393 0.908 61670.000
#3 0.387 0.899 61719.000
Mean 0.388 0.896 61879.000
%RSD 1.159 1.552 0.518
Final concentrations
ppm ppm intensity
#1 0.25693 0.21458 -36.02
#2 0.27200 0.22608 -33.52
#3 0.26818 0.22142 -40.01
Mean 0.26880 0.22069 -36.52
%RSD 1.09168 2.62072 8.97

Method: EPA3 File: it102609ml Printed: 10/27/2009 8:12:50 AM
SampleId1: ja30252-9 SampleId2:
Analysis commenced: 10/26/2009 9:49:25 PM
Dilution ratio: 1.00000 to 1.00000
K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.537 0.893 0.022 0.156 0.916 0.083 0.011
#2 0.537 0.898 0.023 0.157 0.920 0.084 0.011
#3 0.536 0.898 0.023 0.157 0.918 0.083 0.011
Mean 0.536 0.897 0.023 0.156 0.918 0.083 0.011
%RSD 0.105 0.307 0.751 0.457 0.179 0.300 0.620
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 9.61431 1.79667 0.10634 0.22884 26.14881 0.48214 0.00352
#2 9.61167 1.80676 0.10792 0.23085 26.24237 0.48477 0.00357
#3 9.59682 1.80566 0.10729 0.23042 26.19749 0.48290 0.00357
Mean 9.60760 1.80303 0.10718 0.23003 26.19622 0.48327 0.00356
%RSD 0.09814 0.30709 0.73971 0.46039 0.17862 0.28013 0.84784
Cu3247 Na3302 Pd3404 As1890 Tl1908 Sb2068 Cd2265
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.316 0.023 -0.008 2.034 0.046 0.016 0.044
#2 0.316 0.024 -0.008 2.040 0.048 0.019 0.045
#3 0.315 0.024 -0.007 2.037 0.049 0.018 0.044
Mean 0.316 0.024 -0.008 2.037 0.048 0.018 0.044
%RSD 0.063 2.636 -0.008 0.163 2.629 7.326 1.753
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.71893 2.75026 -0.03083 2.84227 0.00612 0.01580 0.00613
#2 0.71700 2.93525 -0.02954 2.85155 0.00870 0.02280 0.00637
#3 0.71617 2.89051 -0.02900 2.84750 0.00921 0.02087 0.00597
Mean 0.71670 2.85867 -0.02979 2.84713 0.00901 0.02163 0.00616
%RSD 0.06387 3.37625 3.15054 0.16336 20.63734 18.24242 3.27743
Ni2316 Ba4934 Ag3280 Ca3179 Al3082 Si2881 Fe2714
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.078 0.760 -0.012 2.441 3.926 0.805 3.610
#2 0.078 0.759 -0.011 2.445 3.924 0.794 3.622
#3 0.078 0.758 -0.011 2.444 3.919 0.791 3.618
Mean 0.078 0.759 -0.012 2.443 3.923 0.797 3.617
%RSD 0.238 0.134 3.415 0.091 0.087 0.005 0.162
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.17791 0.56363 0.00036 33.76716 105.92919 3.67761 203.60847
#2 0.17839 0.56206 0.00098 33.82320 105.87039 3.62443 204.25952
#3 0.17873 0.56211 0.00098 33.81740 105.74814 3.61204 204.03066
Mean 0.17834 0.56287 0.00077 33.80258 105.84924 3.63803 203.96622
%RSD 0.23151 0.13480 46.56889 0.09117 0.08726 0.99753 0.16193
Mn2576 Mo2020 Sn1899 Pb2203 Se1960 1960/2 1960/1
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 2.668 0.007 0.036 0.000 0.000 -0.033 -0.084
#2 2.671 0.008 0.037 0.000 0.000 -0.034 -0.084
#3 2.666 0.008 0.037 0.000 0.000 -0.027 -0.092
Mean 2.668 0.008 0.037 0.000 0.000 -0.028 -0.087
%RSD 0.109 6.024 1.822 5.756 0.251 14.261 5.415
Final concentrations
ppm ppm ppm ppm ppm ppm ppm

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#1 4.47564 0.00740 0.08732 11.30033 0.02340 0.02699 0.01621
#2 4.48177 0.00809 0.09002 11.31488 0.03145 0.03904 0.01628
#3 4.47211 0.00812 0.08934 11.28146 0.02618 0.03508 0.00838
Mean 4.47651 0.00787 0.08889 0.02701 0.03370 0.01362
%RSD 0.10924 5.20001 0.14831 15.14614 18.22064 33.31443
2203/2 2203/1 INT STD
IS ratioed intensities
Reading Reading Reading
#1 17.947 24.728 64337.000
#2 18.002 24.668 64660.000
#3 17.973 24.526 64518.000
Mean 17.974 24.641 64505.000
%RSD 0.152 0.421 0.251
Final concentrations
ppm ppm intensity
#1 11.51417 10.87265 -121.97
#2 11.54909 10.84605 -125.74
#3 11.53074 10.78288 -124.80
Mean 11.53140 10.83386 -124.17
%RSD 0.15237 0.42560 1.58

Method: EPA3 File: it102609ml Printed: 10/27/2009 8:12:50 AM
SampleId1: ja30252-10 SampleId2:
Analysis commenced: 10/26/2009 9:55:32 PM
Dilution ratio: 1.00000 to 1.00000
K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 1.334 0.148 0.017 0.111 1.743 0.055 0.003
#2 1.336 0.147 0.017 0.111 1.741 0.054 0.003
#3 1.336 0.148 0.017 0.111 1.742 0.055 0.003
Mean 1.336 0.148 0.017 0.111 1.742 0.055 0.003
%RSD 0.147 0.244 0.531 0.187 0.064 0.181 3.120
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 22.67920 0.29714 0.07994 0.16352 49.69818 0.32397 0.00009
#2 22.70386 0.29759 0.08018 0.16291 49.71468 0.32385 0.00010
#3 22.74309 0.29617 0.07937 0.16317 49.65366 0.32294 0.00002
Mean 22.70871 0.29697 0.07983 0.16320 49.68880 0.32358 0.00007
%RSD 0.14190 0.24336 0.52071 0.18908 0.06363 0.17421 58.72023
Cu3247 Na3302 Pd3404 As1890 Tl1908 Sb2068 Cd2265
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.117 0.043 -0.012 0.015 0.025 0.010 0.020
#2 0.117 0.043 -0.012 0.017 0.023 0.011 0.020
#3 0.117 0.042 -0.012 0.016 0.023 0.010 0.020
Mean 0.117 0.043 -0.012 0.016 0.024 0.010 0.020
%RSD 0.110 1.012 1.132 6.286 5.471 4.929 0.670
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.25950 5.55351 -0.04842 0.01995 -0.00576 -0.00340 0.00096
#2 0.26008 5.48983 -0.04826 0.02280 -0.00950 -0.00085 0.00099
#3 0.25970 5.41731 -0.04937 0.02158 -0.00799 -0.00308 0.00104
Mean 0.25976 5.48688 -0.04868 0.02144 -0.00775 -0.00245 0.00100
%RSD 0.11298 1.24204 1.23273 6.74449 24.29680 56.79862 4.01419
Ni2316 Ba4934 Ag3280 Ca3179 Al3082 Si2881 Fe2714
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.048 0.833 0.813 4.449 3.214 0.639 2.774
#2 0.048 0.834 -0.013 4.451 3.221 0.642 2.776
#3 0.048 0.835 -0.014 4.433 3.222 0.641 2.768
Mean 0.048 0.834 -0.013 4.444 3.220 0.641 2.773
%RSD 0.817 0.099 3.305 0.214 0.098 0.212 0.151
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.11265 0.61872 -0.00055 61.68699 86.67147 2.86162 156.40888
#2 0.11168 0.61893 -0.00011 61.71132 86.80802 2.89348 156.54793
#3 0.11092 0.61908 -0.00090 61.47113 86.82918 2.89244 156.08819
Mean 0.11175 0.61918 -0.00052 61.62315 86.76956 2.88918 156.34833
%RSD 0.77500 0.09922 76.01291 0.21455 0.09865 0.22726 0.15080
Mn2576 Mo2020 Sn1899 Pb2203 Se1960 1960/2 1960/1
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 1.713 0.004 0.008 0.000 0.000 -0.016 -0.090
#2 1.714 0.003 0.007 0.000 0.000 -0.021 -0.094
#3 1.709 0.003 0.007 0.000 0.000 -0.018 -0.091
Mean 1.712 0.003 0.007 0.000 0.000 -0.018 -0.092
%RSD 0.147 15.550 7.245 0.060 0.060 12.613 2.180
Final concentrations
ppm ppm ppm ppm ppm ppm ppm



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#1 4.08696 0.00480 0.02350 0.15671 0.02836 0.05081 -0.01653
#2 4.08266 0.00500 0.02442 0.16686 0.03574 0.05285 0.00152
#3 4.07596 0.00374 0.02064 0.15796 0.02859 0.04474 -0.00372
Mean 4.08186 0.00452 0.02285 0.16051 0.03090 0.04947 -0.00624
%RSD 0.13577 15.02355 8.63379 3.44937 13.57392 8.52262 148.71651
2203/2 2203/1 INT STD
IS ratioed intensities
Reading Reading Reading
#1 0.265 0.588 62670.000
#2 0.273 0.636 62828.000
#3 0.253 0.632 62588.000
Mean 0.264 0.619 62695.333
%RSD 3.786 4.301 0.195
Final concentrations
ppm ppm intensity
#1 0.18074 0.10864 -32.83
#2 0.18537 0.12983 -34.11
#3 0.17271 0.12846 -28.82
Mean 0.17960 0.12231 -31.92
%RSD 3.56834 9.69300 8.63

Method: EPA3 File: it102609ml Printed: 10/27/2009 8:12:51 AM
SampleId1: ja30252-13 SampleId2:
Analysis commenced: 10/26/2009 10:13:57 PM
Dilution ratio: 1.00000 to 1.00000
K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.563 0.243 0.023 0.145 1.359 0.090 0.010
#2 0.562 0.244 0.023 0.145 1.363 0.091 0.010
#3 0.557 0.247 0.024 0.147 1.364 0.091 0.010
Mean 0.561 0.245 0.023 0.146 1.362 0.091 0.010
%RSD 0.538 0.908 1.299 0.707 0.197 0.291 0.624
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 10.13315 0.48815 0.10996 0.21262 38.76645 0.53470 0.00320
#2 10.12761 0.49159 0.11009 0.21389 38.86475 0.53761 0.00320
#3 10.04569 0.49701 0.11247 0.21566 38.91034 0.53639 0.00325
Mean 10.10215 0.49225 0.11084 0.21406 38.85385 0.53623 0.00321
%RSD 0.48477 0.90823 1.27544 0.71283 0.19757 0.27226 0.94591
Cu3247 Na3302 Pd3404 As1890 Tl1908 Sb2068 Cd2265
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.124 0.027 -0.015 0.570 0.057 0.009 0.036
#2 0.124 0.027 -0.014 0.574 0.059 0.009 0.037
#3 0.124 0.029 -0.014 0.577 0.061 0.012 0.038
Mean 0.124 0.028 -0.014 0.574 0.059 0.010 0.037
%RSD 0.153 5.136 3.984 0.563 3.459 19.070 1.923
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.27563 3.52133 -0.06086 0.79315 -0.00642 0.00277 0.00277
#2 0.27585 3.60216 -0.05984 0.79870 -0.00287 -0.00563 0.00288
#3 0.27501 3.93999 -0.05607 0.80208 0.00024 0.00314 0.00312
Mean 0.27650 3.68783 -0.05892 0.79798 -0.00263 0.00263 0.00292
%RSD 0.15848 6.02225 4.28620 0.56528 105.05855 178.83820 6.17474
Ni2316 Ba4934 Ag3280 Ca3179 Al3082 Si2881 Fe2714
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.086 0.738 -0.013 2.557 4.385 0.631 4.460
#2 0.086 0.738 -0.013 2.566 4.387 0.633 4.475
#3 0.086 0.729 -0.012 2.569 4.350 0.629 4.472
Mean 0.086 0.735 -0.013 2.564 4.374 0.631 4.469
%RSD 0.529 0.691 6.855 0.245 0.473 0.312 0.172
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.19549 0.54729 -0.00067 35.39377 118.30772 2.83912 251.53398
#2 0.19507 0.54722 -0.00044 35.51442 118.36748 2.85077 252.37550
#3 0.19698 0.54071 0.00080 35.56200 117.36966 2.83187 252.17174
Mean 0.19585 0.54507 -0.00010 35.48987 118.01495 2.84059 252.00774
%RSD 0.51308 0.69371 771.53078 0.24530 0.47421 0.33564 0.17284
Mn2576 Mo2020 Sn1899 Pb2203 Se1960 1960/2 1960/1
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 2.282 0.000 0.005 0.000 0.000 0.000 0.000
#2 2.288 0.001 0.005 0.000 0.000 0.000 0.000
#3 2.285 0.003 0.008 0.000 0.000 0.000 0.000
Mean 2.285 0.001 0.006 0.000 0.000 -0.041 -0.106
%RSD 0.132 105.468 29.819 0.476 0.476 5.056 4.041
Final concentrations
ppm ppm ppm ppm ppm ppm ppm

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#1 3.82779 0.00145 0.01749 0.14939 0.03106 0.04666 -0.00015
#2 3.83794 0.00234 0.01813 0.14455 0.02658 0.04147 -0.00321
#3 3.83313 0.00375 0.02412 0.14016 0.02549 0.04238 -0.00829
Mean 3.83295 0.00251 0.01991 0.14470 0.02771 0.04351 -0.00388
%RSD 0.13240 46.24818 18.35876 3.19075 10.64609 6.37211 105.80919
2203/2 2203/1 INT STD
IS ratioed intensities
Reading Reading Reading
#1 0.243 0.610 64742.000
#2 0.238 0.593 64796.000
#3 0.232 0.581 65304.000
Mean 0.238 0.595 64947.333
%RSD 2.393 2.480 0.477
Final concentrations
ppm ppm intensity
#1 0.16832 0.11152 -24.43
#2 0.16502 0.10360 -25.32
#3 0.16094 0.09859 -33.69
Mean 0.16476 0.10457 -27.81
%RSD 2.24364 6.23500 18.36

Method: EPA3 File: it102609ml Printed: 10/27/2009 8:12:51 AM
SampleId1: ja30252-14 SampleId2:
Analysis commenced: 10/26/2009 10:20:05 PM
Dilution ratio: 1.00000 to 1.00000
K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.488 0.550 0.028 0.569 2.066 0.005 0.005
#2 0.491 0.547 0.028 0.570 2.067 0.095 0.005
#3 0.489 0.546 0.028 0.569 2.062 0.094 0.005
Mean 0.489 0.548 0.028 0.569 2.065 0.095 0.005
%RSD 0.271 0.361 0.443 0.094 0.141 0.267 1.036
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 8.61844 1.10646 0.13325 0.84182 58.90814 0.54396 0.00098
#2 8.66227 1.10141 0.13268 0.84249 58.95789 0.54665 0.00094
#3 8.63008 1.09862 0.13209 0.84092 58.79545 0.54191 0.00093
Mean 8.63760 1.10216 0.13267 0.84174 58.88716 0.54353 0.00095
%RSD 0.25967 0.36069 0.43698 0.09401 0.14134 0.25403 2.73429
Cu3247 Na3302 Pd3404 As1890 Tl1908 Sb2068 Cd2265
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.222 0.055 -0.016 0.098 0.053 0.014 0.042
#2 0.223 0.056 -0.016 0.097 0.051 0.013 0.042
#3 0.222 0.055 -0.016 0.094 0.049 0.012 0.042
Mean 0.222 0.055 -0.016 0.096 0.051 0.013 0.042
%RSD 0.268 0.688 1.796 2.538 4.377 7.442 0.664
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.50303 7.36510 -0.06642 0.13938 0.00586 0.00764 0.00537
#2 0.50300 7.45481 -0.06853 0.13756 0.00224 0.00495 0.00536
#3 0.50113 7.34058 -0.06880 0.13276 -0.00033 0.00213 0.00551
Mean 0.50149 7.38683 -0.06792 0.13657 0.00259 0.00491 0.00541
%RSD 0.27239 0.81411 1.91347 2.50142 120.04517 56.15133 1.51637
Ni2316 Ba4934 Ag3280 Ca3179 Al3082 Si2881 Fe2714
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.251 0.543 -0.012 11.327 4.018 0.605 3.770
#2 0.251 0.546 -0.012 11.304 4.038 0.603 3.776
#3 0.250 0.544 -0.012 11.280 4.025 0.608 3.763
Mean 0.251 0.544 -0.011 11.304 4.026 0.605 3.770
%RSD 0.145 0.278 6.977 0.208 0.274 0.345 0.172
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.56012 0.40159 0.00222 157.18780 108.34987 2.72097 212.55350
#2 0.55937 0.40383 0.00097 156.87369 108.94541 2.71286 212.91002
#3 0.55851 0.40207 0.00100 156.53390 108.61007 2.73294 212.17851
Mean 0.55933 0.40273 0.00140 156.86513 108.63512 2.72226 212.54735
%RSD 0.14435 0.27860 51.31166 0.20848 0.27483 0.37105 0.17210
Mn2576 Mo2020 Sn1899 Pb2203 Se1960 1960/2 1960/1
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 1.752 0.018 0.035 0.000 0.000 -0.029 -0.109
#2 1.756 0.017 0.034 0.000 0.000 -0.028 -0.105
#3 1.751 0.018 0.034 0.000 0.000 0.000 0.000
Mean 1.753 0.018 0.034 0.000 0.000 -0.030 -0.104
%RSD 0.155 2.162 1.134 6.016 0.211 8.171 4.488
Final concentrations
ppm ppm ppm ppm ppm ppm ppm



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#1 2.93979 0.01762 0.08396 0.23688 0.02212 0.03428 -0.00220
#2 2.94605 0.01698 0.08258 0.24265 0.02496 0.03661 0.00164
#3 2.93721 0.01712 0.08249 0.23793 0.02166 0.02913 0.00674
Mean 2.94101 0.01724 0.08301 0.23915 0.02291 0.03334 0.00206
%RSD 0.15454 1.96775 0.99222 1.28508 7.78255 11.49099 217.50391
2203/2 2203/1 INT STD
IS ratioed intensities
Reading Reading Reading
#1 0.374 0.799 60361.000
#2 0.384 0.808 60267.000
#3 0.371 0.816 60109.000
Mean 0.376 0.807 60245.667
%RSD 1.906 1.037 0.211
Final concentrations
ppm ppm intensity
#1 0.25750 0.19564 -117.27
#2 0.26425 0.19945 -115.35
#3 0.25535 0.20309 -115.22
Mean 0.25903 0.19940 -115.95
%RSD 1.79212 1.87003 0.99

Method: EPA3 File: it102609ml SampleId1: ja30252-15 SampleId2:
Analysis commenced: 10/26/2009 10:26:12 PM
Dilution ratio: 1.00000 to 1.00000
K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.647 0.247 0.028 0.181 1.325 0.096 0.013
#2 0.647 0.247 0.028 0.181 1.324 0.097 0.013
#3 0.646 0.246 0.028 0.180 1.323 0.096 0.013
Mean 0.647 0.247 0.028 0.181 1.324 0.096 0.013
%RSD 0.130 0.238 0.255 0.249 0.114 0.141 0.127
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 11.64054 0.49712 0.13311 0.26678 37.80634 0.57118 0.00477
#2 11.63707 0.49601 0.13356 0.26576 37.80352 0.57101 0.00475
#3 11.61264 0.49478 0.13291 0.26553 37.72266 0.57029 0.00476
Mean 11.63008 0.49604 0.13319 0.26602 37.77701 0.57109 0.00476
%RSD 0.13074 0.23749 0.24987 0.25084 0.11379 0.13527 0.17882
Cu3247 Na3302 Pd3404 As1890 Tl1908 Sb2068 Cd2265
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.103 0.022 -0.014 0.115 0.066 0.012 0.040
#2 0.103 0.021 -0.014 0.116 0.070 0.011 0.039
#3 0.103 0.021 -0.014 0.115 0.069 0.012 0.039
Mean 0.103 0.021 -0.014 0.115 0.068 0.012 0.039
%RSD 0.349 1.624 0.613 0.450 3.260 3.755 1.762
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.22827 2.99944 -0.05942 0.15582 0.00121 0.00171 0.00316
#2 0.22756 2.88996 -0.06020 0.15722 0.00748 0.00102 0.00748
#3 0.22663 2.93317 -0.05975 0.15624 0.00556 0.00339 0.00282
Mean 0.22748 2.94086 -0.05979 0.15643 0.00473 0.00473 0.00473
%RSD 0.36269 1.87500 0.65445 0.46195 67.61607 59.72210 6.00256
Ni2316 Ba4934 Ag3280 Ca3179 Al3082 Si2881 Fe2714
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.087 0.862 -0.012 1.651 5.273 0.646 4.829
#2 0.088 0.863 -0.013 1.650 5.283 0.635 4.830
#3 0.087 0.861 -0.013 1.649 5.273 0.633 4.822
Mean 0.087 0.862 -0.013 1.650 5.276 0.637 4.827
%RSD 0.316 0.158 1.647 0.048 0.112 1.163 0.095
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.19965 0.63906 0.00014 22.77641 142.31498 2.90790 272.30968
#2 0.19994 0.64024 -0.00014 22.76399 142.59756 2.85213 272.32082
#3 0.19877 0.63823 -0.00021 22.75485 142.32438 2.84094 271.86477
Mean 0.19945 0.63918 -0.00007 22.76508 142.41224 2.86706 272.16509
%RSD 0.30696 0.15869 273.01983 0.04754 0.11262 1.24964 0.09558
Mn2576 Mo2020 Sn1899 Pb2203 Se1960 1960/2 1960/1
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 3.591 0.004 0.008 0.000 0.000 -0.051 -0.089
#2 3.593 0.003 0.008 0.000 0.000 0.051 0.091
#3 3.589 0.003 0.007 0.000 0.000 -0.049 -0.092
Mean 3.591 0.004 0.008 0.000 0.000 -0.050 -0.091
%RSD 0.059 12.584 4.926 9.827 0.396 2.671 1.491
Final concentrations
ppm ppm ppm ppm ppm ppm ppm

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#1 6.02422 0.00588 0.02496 0.10152 0.03090 0.03993 0.01283
#2 6.02871 0.00523 0.02415 0.09958 0.02938 0.03870 0.01073
#3 6.02171 0.00512 0.02333 0.10366 0.03168 0.04231 0.01041
Mean 6.02488 0.00541 0.02415 0.10158 0.03065 0.04031 0.01132
%RSD 0.05881 7.60737 3.36827 2.00831 3.81378 4.54449 11.59086
2203/2 2203/1 INT STD
IS ratioed intensities
Reading Reading Reading
#1 0.145 0.581 65255.000
#2 0.146 0.566 65637.000
#3 0.154 0.569 65750.000
Mean 0.149 0.572 65547.333
%RSD 3.310 1.362 0.396
Final concentrations
ppm ppm intensity
#1 0.10743 0.08970 -34.86
#2 0.10775 0.08323 -33.73
#3 0.11302 0.08493 -32.59
Mean 0.10940 0.08596 -33.73
%RSD 2.66964 3.89654 3.37

Method: EPA3 File: it102609ml SampleId1: SampleId2:
Analysis commenced: 10/26/2009 10:26:12 PM
Dilution ratio: 1.00000 to 1.00000
K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 2.263 1.040 0.438 1.374 1.472 0.409 4.350
#2 2.272 1.052 0.441 1.384 1.484 0.412 4.396
#3 2.262 1.053 0.441 1.384 1.485 0.411 4.393
Mean 2.266 1.048 0.440 1.381 1.481 0.411 4.380
%RSD 0.239 0.695 0.449 0.410 0.492 0.345 0.580
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 37.99234 2.09111 2.04424 2.03572 41.98377 2.06599 2.08358
#2 38.13937 2.11457 2.06025 2.05025 42.32846 2.07905 2.10537
#3 37.97394 2.11802 2.06022 2.05028 42.35774 2.07761 2.10386
Mean 38.03522 2.10790 2.05490 2.04542 42.22332 2.07421 2.09760
%RSD 0.23838 0.69455 0.44939 0.41056 0.49255 0.34531 0.58018
Cu3247 Na3302 Pd3404 As1890 Tl1908 Sb2068 Cd2265
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.831 0.266 0.422 1.425 1.350 0.764 8.142
#2 0.834 0.268 0.425 1.439 1.368 0.773 8.193
#3 0.831 0.267 0.424 1.438 1.366 0.768 8.222
Mean 0.832 0.267 0.423 1.434 1.361 0.768 8.186
%RSD 0.211 0.402 0.329 0.541 0.727 0.602 0.494
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 1.90131 40.47746 1.68474 2.01084 1.97090 2.08604 2.14848
#2 1.90845 40.81531 1.89643 2.02991 1.99674 2.11163 2.16190
#3 1.90168 40.59601 1.89429 2.02958 1.99413 2.09805 2.16954
Mean 1.90381 40.62959 1.89182 2.02344 1.98726 2.09857 2.15998
%RSD 0.21140 0.42188 0.32881 0.53955 0.71571 0.60992 0.49370
Ni2316 Ba4934 Ag3280 Ca3179 Al3082 Si2881 Fe2714
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.939 2.530 0.263 3.048 1.440 1.160 7.731
#2 0.949 2.540 0.266 3.076 1.448 1.172 0.736
#3 0.947 2.529 0.265 3.073 1.444 1.168 0.736
Mean 0.945 2.533 0.265 3.066 1.445 1.167 0.734
%RSD 0.568 0.234 0.572 0.496 0.252 0.527 0.405
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 2.07979 1.88277 0.24904 42.14865 38.61039 5.38304 41.09888
#2 2.10245 1.89036 0.25168 42.53285 38.80942 5.44172 41.40354
#3 2.09715 1.89268 0.25098 42.48958 38.70241 5.41919 41.37235
Mean 2.09313 1.88527 0.25057 42.39036 38.70740 5.41462 41.29159
%RSD 0.56623 0.23368 0.54561 0.49644 0.25734 0.54656 0.40593
Mn2576 Mo2020 Sn1899 Pb2203 Se1960 1960/2 1960/1
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 1.175 2.218 0.965 0.000 0.000 1.443 1.983
#2 1.183 2.238 0.972 0.000 0.000 1.447 2.012
#3 1.182 2.242 0.974 0.000 0.000 1.432 1.989
Mean 1.180 2.233 0.971 0.000 0.000 1.441 1.995
%RSD 0.384 0.582 0.532 11.055 7.325 0.524 0.768
Final concentrations
ppm ppm ppm ppm ppm ppm ppm

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#1 1.97011 1.96997 2.06618 2.14738 2.07761 2.11386 2.00510
#2 1.98394 1.98810 2.08277 2.15707 2.09155 2.12085 2.03296
#3 1.98265 1.99145 2.08689 2.13934 2.06953 2.09910 2.01039
Mean 1.97887 1.98318 2.07861 2.14793 2.07957 2.11127 2.01615
%RSD 0.38431 0.58265 0.52723 0.41327 0.53573 0.52594 0.73383

IS ratioed intensities
Reading Reading Reading
#1 3.434 4.774 57647.000
#2 3.437 4.831 57555.000
#3 3.402 4.810 57901.000
Mean 3.424 4.805 57701.000
%RSD 0.552 0.606 0.311

Final concentrations
ppm ppm intensity
#1 2.19774 2.04667 -2886.06
#2 2.19951 2.07218 -2909.23
#3 2.17769 2.06264 -2914.98
Mean 2.19165 2.06050 -2903.42
%RSD 0.55288 0.62547 0.53

Method: EPA3 File: it102609ml Printed: 10/27/2009 8:12:52 AM
SampleId1: CCB SampleId2: [FLRQC]
Analysis commenced: 10/26/2009 10:38:39 PM
Dilution ratio: 1.00000 to 1.00000

K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.066 -0.001 0.000 0.001 0.001 0.000 0.002
#2 0.065 -0.001 0.000 0.001 0.000 0.000 0.002
#3 0.065 -0.001 0.000 0.001 0.000 0.000 0.002
Mean 0.065 -0.001 0.000 0.001 0.001 0.000 0.002
%RSD 0.430 12.584 46.983 38.180 27.823 43.206 1.073

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 1.17456 -0.00052 0.00104 0.00065 0.00791 -0.00137 0.00004
#2 1.16618 -0.00113 -0.00011 -0.00011 -0.00066 -0.00191 0.00006
#3 1.16640 -0.00084 0.00037 -0.00013 0.00343 -0.00208 0.00004
Mean 1.16905 -0.00083 0.00046 0.00014 0.00357 -0.00179 0.00005
%RSD 0.40856 37.08014 119.91629 322.70969 119.45436 20.83970 18.86373

Cu3247 Na3302 Pd3404 As1890 Tl1908 Sb2068 Cd2265
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.004 0.018 -0.001 -0.002 -0.026 -0.004 0.003
#2 0.004 0.016 -0.001 -0.003 -0.028 -0.005 0.002
#3 0.004 0.017 -0.001 -0.002 -0.029 -0.004 0.002
Mean 0.004 0.017 -0.001 -0.002 -0.028 -0.004 0.002
%RSD 3.200 4.955 21.841 15.360 4.871 18.725 35.196

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.00136 0.74141 0.00064 -0.00098 -0.00770 -0.04055 0.00054
#2 0.00107 0.48692 -0.00111 -0.00202 -0.01057 -0.04500 0.00011
#3 0.00082 0.54976 0.00150 -0.00132 -0.01145 -0.04231 0.00031
Mean 0.00108 0.59270 -0.00066 -0.00144 -0.00991 -0.04250 0.00032
%RSD 24.92487 22.36688 174.00505 36.71147 19.77087 5.25403 66.69006

Ni2316 Ba4934 Ag3280 Ca3179 Al3082 Si2881 Fe2714
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 -0.001 0.001 -0.012 0.002 0.009 0.033 0.001
#2 -0.002 0.000 -0.013 0.002 0.009 0.032 0.001
#3 -0.001 0.001 -0.013 0.002 0.009 0.032 0.001
Mean -0.001 0.001 -0.013 0.002 0.009 0.032 0.001
%RSD 17.539 14.503 4.171 5.041 1.571 1.777 9.732

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.00098 0.00027 0.00051 0.00957 -0.00547 -0.03145 0.03271
#2 0.00018 0.00015 -0.00039 -0.00799 -0.00663 -0.03668 0.02584
#3 0.00124 0.00022 -0.00022 0.01043 -0.00405 -0.03512 0.03184
Mean 0.00080 0.00021 -0.00003 0.00933 -0.00546 -0.03448 0.03013
%RSD 68.77887 27.55468 1416.67948 13.29428 25.65471 8.03620 12.42177

Mn2576 Mo2020 Sn1899 Pb2203 Se1960 1960/2 1960/1
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.001 0.003 -0.012 0.000 0.000 0.040 -0.107
#2 0.001 0.002 -0.012 0.000 0.000 0.040 -0.103
#3 0.001 0.002 -0.013 0.000 0.000 0.036 -0.104
Mean 0.001 0.002 -0.013 0.000 0.000 0.038 -0.104
%RSD 8.363 42.415 2.320 6.693 0.227 5.037 1.968

Final concentrations
ppm ppm ppm ppm ppm ppm ppm

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#1 0.00657 -0.00018 -0.00720 0.00302 0.00542 0.01635 -0.01642
#2 0.00056 -0.00156 -0.00809 -0.00016 0.00445 0.01305 -0.01274
#3 0.00074 -0.00165 -0.00839 0.00021 0.00270 0.01071 -0.01332
Mean 0.00066 -0.00113 -0.00789 0.00103 0.00419 0.01337 -0.01416
%RSD 13.74784 73.01699 7.85607 169.72828 32.94483 21.18770 13.98107

IS ratioed intensities
Reading Reading Reading
#1 0.032 0.110 56523.000
#2 0.027 0.104 56292.000
#3 0.020 0.125 56311.000
Mean 0.026 0.113 56375.333
%RSD 22.655 9.639 0.227

Final concentrations
ppm ppm intensity
#1 0.01027 -0.01146 10.05
#2 0.00683 -0.01415 11.31
#3 0.00268 -0.00473 11.71
Mean 0.00659 -0.01011 11.02
%RSD 57.60370 47.97439 7.86

Method: EPA3 File: it102609ml Printed: 10/27/2009 8:12:52 AM
SampleId1: ja30252-16 SampleId2: [SAMPLE]
Analysis commenced: 10/26/2009 10:44:57 PM
Dilution ratio: 1.00000 to 1.00000

K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.617 0.266 0.029 0.186 1.337 0.977 0.013
#2 0.616 0.266 0.029 0.186 1.340 0.998 0.013
#3 0.616 0.265 0.029 0.186 1.337 0.997 0.013
Mean 0.616 0.265 0.029 0.186 1.337 0.997 0.013
%RSD 0.078 0.482 0.437 0.412 0.234 0.373 0.392

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 11.14267 0.53443 0.13966 0.27350 38.13798 0.58042 0.00455
#2 11.13542 0.52980 0.13875 0.27186 38.05716 0.57823 0.00452
#3 11.10857 0.53402 0.13988 0.27404 38.23533 0.58218 0.00456
Mean 11.13556 0.53275 0.13943 0.27313 38.14349 0.58027 0.00454
%RSD 0.06333 0.48141 0.43153 0.41477 0.23388 0.34106 0.47837

Cu3247 Na3302 Pd3404 As1890 Tl1908 Sb2068 Cd2265
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.114 0.022 -0.013 0.092 0.073 0.012 0.042
#2 0.114 0.022 -0.013 0.093 0.073 0.012 0.043
#3 0.114 0.023 -0.013 0.093 0.077 0.013 0.043
Mean 0.114 0.022 -0.013 0.092 0.074 0.012 0.043
%RSD 0.266 2.265 1.538 0.660 2.751 4.352 2.010

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.25349 3.02902 -0.05328 0.12395 0.00450 0.00197 0.00336
#2 0.25210 2.95595 -0.05414 0.12451 0.00408 0.00221 0.00371
#3 0.25270 3.11918 -0.05237 0.12435 0.00906 0.00462 0.00379
Mean 0.25276 3.03472 -0.05326 0.12394 0.00588 0.00294 0.00362
%RSD 0.27543 2.69429 1.66300 0.69087 46.92659 50.01095 6.27423

Ni2316 Ba4934 Ag3280 Ca3179 Al3082 Si2881 Fe2714
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.087 0.805 -0.011 1.892 5.154 5.553 0.049
#2 0.087 0.807 -0.011 1.882 5.162 5.545 0.037
#3 0.087 0.806 -0.010 1.898 5.151 5.556 0.054
Mean 0.087 0.806 -0.010 1.891 5.156 5.551 0.047
%RSD 0.438 0.108 4.337 0.419 0.113 0.963 0.168

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.19788 0.59694 0.00208 26.13979 139.10862 2.45776 284.68063
#2 0.19759 0.59823 0.00162 26.00019 139.32216 2.42209 284.04863
#3 0.19917 0.59970 0.00243 26.21593 139.01423 2.47175 284.92566
Mean 0.19822 0.59762 0.00204 26.11897 139.14833 2.45053 284.57394
%RSD 0.42499 0.10862 19.75057 0.42060 0.11338 1.04504 0.16900

Mn2576 Mo2020 Sn1899 Pb2203 Se1960 1960/2 1960/1
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 3.108 0.004 0.008 0.000 0.000 -0.053 -0.096
#2 3.101 0.004 0.007 0.000 0.000 -0.046 -0.100
#3 3.110 0.005 0.008 0.000 0.000 -0.052 -0.088
Mean 3.106 0.004 0.008 0.000 0.000 -0.051 -0.095
%RSD 0.157 18.051 7.505 21.787 7.686 7.619 6.525

Final concentrations
ppm ppm ppm ppm ppm ppm ppm

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#1 5.21451 0.00600 0.02380 0.12367 0.03124 0.04358 0.00656
#2 5.20184 0.00535 0.02399 0.12767 0.03655 0.05373 0.00220
#3 5.21718 0.00676 0.02438 0.12553 0.03485 0.04527 0.01401
Mean 5.21118 0.00604 0.02399 0.12563 0.03421 0.04753 0.00759
%RSD 0.15723 11.74955 5.34500 1.59280 7.92149 11.43398 78.71187

IS ratioed intensities
Reading Reading Reading
#1 0.186 0.612 65887.000
#2 0.205 0.586 66053.000
#3 0.188 0.620 66155.000
Mean 0.193 0.606 66031.667
%RSD 5.236 2.947 0.205

Method: EPA3 File: it102609ml
SampleId1: ja30252-17 SampleId2:
Analysis commenced: 10/26/2009 10:51:04 PM
Dilution ratio: 1.00000 to 1.00000

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.500 0.227 0.044 0.130 2.308 0.133 0.010
#2 0.499 0.227 0.044 0.130 2.310 0.133 0.010
#3 0.514 0.209 0.040 0.123 2.316 0.136 0.008
Mean 0.504 0.221 0.042 0.128 2.275 0.131 0.009
%RSD 1.662 4.632 5.177 3.312 2.576 2.974 7.684

Printed: 10/27/2009 8:12:52 AM User: Accutest
#1 6.55128 0.00345 0.16181 0.03561 0.05521 -0.00359
#2 6.54870 0.00344 0.01551 0.16084 0.03296 0.04960 -0.00032
#3 6.42133 -0.00693 -0.00805 0.08036 -0.03619 -0.01360 -0.08136
Mean 6.50710 -0.00001 0.00815 0.13433 0.01079 0.03040 -0.02843
%RSD 1.14172 45368.59116 172.41642 34.80036 377.17221 125.68933 161.37281

IS ratioed intensities
Reading Reading Reading
#1 0.249 0.706 65405.000
#2 0.242 0.719 65144.000
#3 0.127 0.502 61508.000
Mean 0.206 0.642 64019.000
%RSD 33.063 18.963 3.403

Method: EPA3 File: it102609ml
SampleId1: mp50217-mbl SampleId2:
Analysis commenced: 10/26/2009 10:57:12 PM
Dilution ratio: 1.00000 to 1.00000

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.066 0.000 0.000 0.001 0.001 0.000 0.001
#2 0.067 0.000 0.000 0.001 0.001 0.000 0.002
#3 0.067 0.000 0.000 0.001 0.001 0.000 0.001
Mean 0.067 0.000 0.000 0.001 0.001 0.000 0.001
%RSD 0.579 564.687 97.695 30.038 20.256 36.517 5.974

Printed: 10/27/2009 8:12:52 AM User: Accutest
#1 0.00085 -0.00188 -0.00189 -0.00079 -0.00121 0.00502 -0.01365
#2 0.00123 -0.00173 -0.00295 -0.00222 -0.00195 0.00260 -0.01105
#3 0.00105 -0.00057 -0.00045 -0.00156 -0.00256 0.00385 -0.01539
Mean 0.00104 -0.00139 -0.00146 -0.00152 -0.00191 0.00382 -0.01337
%RSD 17.93161 51.62042 118.89844 46.98262 35.68671 31.69456 16.35561

IS ratioed intensities
Reading Reading Reading
#1 0.023 0.109 59142.000
#2 0.021 0.107 58970.000
#3 0.022 0.108 59282.000
Mean 0.022 0.108 59131.333
%RSD 5.657 1.175 0.264

Method: EPA3 File: it102609ml
SampleId1: mp50217-lc1 SampleId2:
Analysis commenced: 10/26/2009 11:03:19 PM
Dilution ratio: 1.00000 to 1.00000

K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130
IS ratioed intensities
#1 0.512 0.246 0.102 0.330 0.188 0.097 1.044
#2 0.513 0.244 0.102 0.329 0.187 0.097 1.043
#3 0.512 0.245 0.102 0.328 0.187 0.097 1.046
Mean 0.513 0.244 0.102 0.329 0.187 0.097 1.041
%RSD 0.100 0.643 0.364 0.441 0.363 0.160 0.415

Printed: 10/27/2009 8:12:52 AM User: Accutest
#1 0.47230 0.46099 0.00424 0.50499 0.47908 0.47582 0.48560
#2 0.47152 0.45945 0.00407 0.51694 0.49064 0.49795 0.47603
#3 0.47067 0.45953 0.00239 0.51208 0.48768 0.48960 0.48445
Mean 0.47150 0.45999 0.00357 0.51134 0.48587 0.48779 0.48203
%RSD 0.17322 0.18804 28.70900 1.17512 1.24245 2.29014 1.08334

IS ratioed intensities
Reading Reading Reading
#1 0.802 1.265 58725.000
#2 0.832 1.260 58655.000
#3 0.819 1.264 59071.000
Mean 0.818 1.263 58817.000
%RSD 1.824 0.211 0.379

Method: EPA3 File: it102609ml
SampleId1: mp50217-sl SampleId2:
Analysis commenced: 10/26/2009 11:09:26 PM
Dilution ratio: 1.00000 to 1.00000

K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130
IS ratioed intensities
#1 0.641 0.237 0.101 0.335 0.193 0.107 1.077
#2 1.644 0.238 0.101 0.134 1.196 0.097 0.107
#3 1.635 0.240 0.101 0.136 1.200 0.098 0.108
Mean 1.640 0.238 0.101 0.135 1.196 0.097 1.077
%RSD 0.296 0.709 0.203 0.451 0.307 0.295 0.311

Printed: 10/27/2009 8:12:52 AM User: Accutest
#1 0.49318 0.00159 -0.00099 0.49228 1.94474 1.97190 1.89042
#2 0.49401 0.00075 -0.00106 0.49870 1.95934 1.97449 1.92902
#3 0.49462 0.00190 -0.00191 0.49450 1.94518 1.96926 1.89703
Mean 0.49394 0.00141 -0.00004 0.49516 1.94975 1.97188 1.90549
RSD 0.14674 42.19057 3793.79472 0.65867 0.42581 0.13277 1.08334

IS ratioed intensities
Reading Reading Reading
#1 0.810 1.192 55775.000
#2 0.810 1.234 55888.000
#3 0.810 1.206 56260.000
Mean 0.810 1.211 55974.333
RSD 0.041 1.744 0.453

Final concentrations
ppm ppm intensity
#1 0.51636 0.44412 1.38
#2 0.51681 0.46249 1.47
#3 0.51668 0.45012 -2.67
Mean 0.51662 0.45224 0.06
RSD 0.04473 2.07097 3793.79

Method: EPA3 File: it102609ml
SampleId1: mg50217-e2 SampleId2:
Analysis commenced: 10/26/2009 11:15:34 PM
Dilution ratio: 1.00000 to 1.00000

K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 1.588 0.257 0.106 0.142 1.236 0.100 0.112
#2 1.591 0.254 0.106 0.141 1.232 0.100 0.112
#3 1.590 0.254 0.105 0.141 1.230 0.100 0.111
Mean 1.589 0.255 0.106 0.141 1.233 0.100 0.112
RSD 0.095 0.692 0.346 0.513 0.223 0.386 0.291

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 26.51281 0.51575 0.49477 0.20524 35.22454 0.50271 0.05222
#2 26.56219 0.50940 0.49242 0.20733 35.12945 0.50010 0.05200
#3 26.54796 0.50986 0.49141 0.20745 35.06906 0.49893 0.05193
Mean 26.54099 0.51167 0.49291 0.20801 35.14102 0.50058 0.05205
RSD 0.09577 0.69239 0.34612 0.51507 0.22305 0.38642 0.29414

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.105 0.315 0.000 1.409 1.298 0.199 0.202
#2 0.105 0.314 -0.001 1.403 1.300 0.197 0.201
#3 0.105 0.313 -0.001 1.398 1.301 0.196 0.199
Mean 0.105 0.314 -0.001 1.403 1.300 0.197 0.201
RSD 0.182 0.254 0.254 0.388 0.136 0.797 0.659

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.23407 47.28851 0.00293 1.97556 1.87775 0.51834 0.05313
#2 0.23323 47.21838 0.00111 1.96700 1.90120 0.51105 0.05291
#3 0.23344 47.04688 0.00134 1.96033 1.90272 0.51065 0.05244
Mean 0.23358 47.18439 0.00179 1.96763 1.90056 0.51059 0.05283
RSD 0.18729 0.26345 55.18105 0.38793 0.13393 0.84358 0.66040

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.229 2.443 0.045 7.726 0.081 0.987 0.032
#2 0.227 2.447 0.045 7.676 0.081 0.984 0.032
#3 0.226 2.446 0.045 7.680 0.081 0.984 0.032
Mean 0.227 2.446 0.045 7.694 0.081 0.985 0.032
RSD 0.667 0.078 0.410 0.360 0.170 0.200 0.516

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.51066 1.81925 0.05256 107.22779 1.75297 4.57376 1.82845
#2 0.50550 1.82204 0.05242 106.53703 1.74515 4.55728 1.81290
#3 0.50439 1.82112 0.05223 106.58990 1.74878 4.55736 1.81206
Mean 0.50685 1.82080 0.05240 106.78491 1.74896 4.56280 1.81781
RSD 0.66070 0.07804 0.32073 0.36003 0.22385 0.20798 0.50759

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.305 0.005 -0.007 0.000 0.000 1.387 1.945
#2 0.303 0.004 -0.009 0.000 0.000 1.396 1.946
#3 0.303 0.004 -0.008 0.000 0.000 1.395 1.937
Mean 0.304 0.004 -0.008 0.000 0.000 1.397 1.943
RSD 0.310 15.582 9.515 21.754 0.206 0.788 0.252

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.51066 1.81925 0.05256 107.22779 1.75297 4.57376 1.82845
#2 0.50550 1.82204 0.05242 106.53703 1.74515 4.55728 1.81290
#3 0.50439 1.82112 0.05223 106.58990 1.74878 4.55736 1.81206
Mean 0.50685 1.82080 0.05240 106.78491 1.74896 4.56280 1.81781
RSD 0.66070 0.07804 0.32073 0.36003 0.22385 0.20798 0.50759

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#1 0.51090 0.00263 0.00449 0.51004 1.98938 2.00035 1.96743
#2 0.50783 0.00159 0.00119 0.51956 2.01109 2.03251 1.96827
#3 0.50869 0.00152 0.00295 0.51456 1.99509 2.01280 1.95969
Mean 0.50914 0.00191 0.00288 0.51472 1.99852 2.01522 1.96513
RSD 0.31061 32.44615 57.40898 0.92539 0.56331 0.80470 0.24062

IS ratioed intensities
Reading Reading Reading
#1 0.831 1.250 58503.000
#2 0.850 1.260 58727.000
#3 0.837 1.264 58694.000
Mean 0.839 1.258 58641.333
RSD 1.148 0.547 0.206

Final concentrations
ppm ppm intensity
#1 0.53023 0.46966 -6.28
#2 0.54208 0.47413 -1.66
#3 0.53399 0.47570 -4.12
Mean 0.53550 0.47316 -4.02
RSD 1.15143 0.66141 57.41

Method: EPA3 File: it102609ml
SampleId1: ja30201-3 SampleId2:
Analysis commenced: 10/26/2009 11:21:41 PM
Dilution ratio: 1.00000 to 1.00000

K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.245 0.005 0.000 0.006 0.316 0.002 0.002
#2 0.242 0.005 0.000 0.005 0.309 0.000 0.002
#3 0.243 0.005 0.000 0.006 0.312 0.000 0.002
Mean 0.243 0.005 0.000 0.006 0.313 0.000 0.002
RSD 0.755 5.352 202.099 5.909 1.126 12.981 2.002

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 4.15625 0.01211 0.00200 0.00777 9.00903 0.00151 0.00002
#2 4.09598 0.01100 0.00028 0.00679 8.80862 0.00097 -0.00001
#3 4.11725 0.01154 0.00075 0.00742 8.89590 0.00123 0.00000
Mean 4.12316 0.01155 0.00101 0.00733 8.90485 0.00124 0.00000
RSD 0.74136 4.76634 88.32863 6.74243 1.12793 21.70759 886.63640

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.004 0.149 0.000 0.001 -0.015 0.012 0.002
#2 0.004 0.145 -0.001 -0.004 -0.019 0.010 0.000
#3 0.004 0.147 -0.001 -0.001 -0.019 0.010 0.000
Mean 0.004 0.147 -0.001 -0.002 -0.018 0.011 0.001
RSD 3.929 1.371 42.272 157.699 12.526 11.882 100.764

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.00194 21.24128 0.00241 0.00348 0.00797 0.00221 0.00043
#2 0.00123 20.61139 -0.00040 -0.00352 0.00257 -0.00442 -0.00004
#3 0.00166 20.95667 0.00087 0.00038 0.00244 -0.00271 -0.00003
Mean 0.00161 20.93645 0.00096 0.00011 0.00432 -0.00164 0.00012
RSD 21.94068 1.50661 146.82802 3083.36986 72.95271 210.28578 224.27922

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.00421 0.03712 0.00062 79.84553 -0.02041 4.40094 0.75647
#2 0.00353 0.03636 -0.00013 78.00813 -0.03034 4.30141 0.71638
#3 0.00265 0.03667 -0.00032 78.82829 -0.02562 4.34744 0.73177
Mean 0.00346 0.03672 0.00027 78.89398 -0.02546 4.34993 0.73601
RSD 22.58258 1.04890 139.81925 1.16670 19.52189 1.14508 2.72488

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.00421 0.03712 0.00062 79.84553 -0.02041 4.40094 0.75647
#2 0.00353 0.03636 -0.00013 78.00813 -0.03034 4.30141 0.71638
#3 0.00265 0.03667 -0.00032 78.82829 -0.02562 4.34744 0.73177
Mean 0.00346 0.03672 0.00027 78.89398 -0.02546 4.34993 0.73601
RSD 22.58258 1.04890 139.81925 1.16670 19.52189 1.14508 2.72488

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.017 0.006 -0.006 0.000 0.000 0.027 -0.079
#2 0.017 0.004 -0.008 0.000 0.000 0.032 -0.082
#3 0.017 0.005 -0.007 0.000 0.000 0.031 0.078
Mean 0.017 0.005 -0.007 0.000 0.000 0.030 -0.080
RSD 1.499 16.506 16.460 0.533 0.533 8.446 2.154

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.00421 0.03712 0.00062 79.84553 -0.02041 4.40094 0.75647
#2 0.00353 0.03636 -0.00013 78.00813 -0.03034 4.30141 0.71638
#3 0.00265 0.03667 -0.00032 78.82829 -0.02562 4.34744 0.73177
Mean 0.00346 0.03672 0.00027 78.89398 -0.02546 4.34993 0.73601
RSD 22.58258 1.04890 139.81925 1.16670 19.52189 1.14508 2.72488

Printed: 10/27/2009 8:12:53 AM User: Accutest
#1 0.02890 0.00202 0.00699 -0.00659 0.00188 -0.00480 0.01523
#2 0.02793 0.00064 0.00219 -0.00342 0.00554 0.00209 0.01242
#3 0.02836 0.00115 0.00393 -0.00444 0.00589 0.00110 0.01547
Mean 0.02836 0.00127 0.00437 -0.00482 0.00443 -0.00054 0.01437
%RSD 1.51972 54.84157 55.57759 33.57938 50.10554 696.04918 11.77832

IS ratioed intensities
Reading Reading Reading
#1 0.009 0.150 59071.000
#2 0.016 0.149 59621.000
#3 0.014 0.148 59616.000
Mean 0.013 0.149 59436.000
%RSD 29.966 0.742 0.532

Final concentrations
ppm ppm intensity
#1 -0.00024 -0.01300 -9.76
#2 0.00457 -0.01941 -3.06
#3 0.00332 -0.01994 -5.49
Mean 0.00255 -0.01955 -6.11
%RSD 97.75338 1.77380 55.58

Method: EPA3 File: it102609ml Printed: 10/27/2009 8:12:53 AM
SampleId1: mp50217-ad1 SampleId2: [SAMPLE]
Analysis commenced: 10/26/2009 11:27:48 PM
Dilution ratio: 1.00000 to 5.00000

K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.102 0.002 0.000 0.001 0.064 0.000 0.002
#2 0.103 0.002 0.000 0.002 0.064 0.000 0.002
#3 0.103 0.002 0.000 0.002 0.064 0.000 0.002
Mean 0.102 0.002 0.000 0.002 0.064 0.000 0.002
%RSD 0.737 2.339 29.318 19.318 0.347 36.374 0.217

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 8.85078 0.03002 -0.00095 0.00476 9.05628 -0.00123 -0.00019
#2 8.93373 0.03106 -0.00290 9.00773 9.09400 0.00212 -0.00118
#3 8.97488 0.03071 0.00170 9.00954 9.11944 0.00259 -0.00020
Mean 8.91979 0.03060 0.00122 9.00734 9.08991 0.00116 -0.00019
%RSD 0.70865 1.74129 161.98058 32.84979 0.34957 179.13964 6.42884

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.003 0.043 -0.001 -0.003 -0.024 0.008 0.000
#2 0.004 0.045 -0.001 -0.003 -0.021 0.009 0.001
#3 0.004 0.045 -0.001 -0.003 -0.022 0.009 0.001
Mean 0.004 0.045 -0.001 -0.003 -0.022 0.009 0.001
%RSD 5.449 2.237 13.091 9.195 8.478 9.915 59.892

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.00286 23.48987 -0.00935 -0.01179 -0.02485 -0.04621 -0.00085
#2 0.00544 24.77724 -0.00279 -0.01610 0.00098 -0.02267 0.00068
#3 0.00743 24.88590 -0.00333 -0.01323 -0.00467 -0.03536 0.00031
Mean 0.00524 24.38434 -0.00316 0.01371 0.00945 -0.03475 0.00005
%RSD 43.65616 3.18457 70.51719 16.02496 142.72373 33.90345 1761.30819

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 -0.001 0.010 -0.013 1.156 0.009 0.217 0.002
#2 -0.001 0.011 -0.013 1.160 0.009 0.217 0.003
#3 -0.001 0.011 -0.013 1.166 0.009 0.218 0.003
Mean -0.001 0.011 -0.013 1.161 0.009 0.217 0.003
%RSD 20.780 0.627 0.325 0.456 0.655 0.402 5.516

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.00459 0.03769 -0.00143 80.17021 -0.08027 4.27411 0.73403
#2 0.00510 0.03804 -0.00128 80.48973 -0.06599 4.27257 0.72774
#3 0.00978 0.03816 -0.00106 80.90351 -0.06743 4.30987 0.81584
Mean 0.00649 0.03796 -0.00126 80.52081 -0.07123 4.28552 0.77420
%RSD 44.07336 0.64314 15.11035 0.45666 11.03479 0.49247 5.28627

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.004 0.002 -0.009 0.000 0.000 0.028 -0.078
#2 0.004 0.004 -0.007 0.000 0.000 0.028 -0.085
#3 0.004 0.004 -0.008 0.000 0.000 0.025 -0.083
Mean 0.004 0.004 -0.008 0.000 0.000 0.028 -0.082
%RSD 1.481 27.824 7.960 0.462 0.462 12.197 4.073

Final concentrations
ppm ppm ppm ppm ppm ppm ppm

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Printed: 10/27/2009 8:12:53 AM User: Accutest
#1 0.02987 -0.00451 0.00329 -0.02283 0.01304 -0.01065 0.06043
#2 0.03078 0.00375 0.01673 -0.00566 0.02190 0.01829 0.02911
#3 0.03057 0.00195 0.00988 -0.01042 -0.00855 -0.03218 0.03872
Mean 0.03041 0.00040 0.00997 -0.01297 0.00880 0.00818 0.04275
%RSD 1.57653 1088.11539 67.43501 68.33510 178.05065 309.63529 37.52244

IS ratioed intensities
Reading Reading Reading
#1 0.006 0.141 60584.000
#2 0.016 0.134 60428.000
#3 0.011 0.144 60043.000
Mean 0.011 0.140 60351.667
%RSD 47.346 3.645 0.461

Final concentrations
ppm ppm intensity
#1 -0.02740 -0.01370 -4.59
#2 0.00631 -0.02961 -23.37
#3 -0.01171 -0.00786 -13.80
Mean -0.01093 -0.01706 -13.92
%RSD 154.33468 65.99003 67.44

Method: EPA3 File: it102609ml Printed: 10/27/2009 8:12:53 AM
SampleId1: mp50217-e3 SampleId2: [SAMPLE]
Analysis commenced: 10/26/2009 11:33:56 PM
Dilution ratio: 1.00000 to 1.00000

K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 1.629 0.257 0.107 0.141 1.216 0.103 0.112
#2 1.627 0.257 0.107 0.141 1.216 0.103 0.112
#3 1.643 0.250 0.105 0.138 1.199 0.101 0.111
Mean 1.561 0.487 0.327 0.744 2.600 2.595 2.422
%RSD 1.561 4.887 3.327 3.744 2.600 2.595 2.422

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 27.93171 0.47347 0.47098 0.19426 33.13014 0.49189 0.05019
#2 27.20041 0.51605 0.49977 0.20765 34.67168 0.51450 0.05241
#3 27.17626 0.51594 0.49863 0.20731 34.66626 0.51503 0.05236
Mean 27.43613 0.50182 0.48979 0.20308 34.15602 0.50714 0.05165
%RSD 1.56493 4.89278 3.32830 3.76140 2.60115 2.60524 2.45583

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.108 0.323 -0.002 1.369 1.269 0.200 0.189
#2 0.109 0.331 0.004 1.420 1.320 0.212 0.208
#3 0.109 0.331 0.004 1.416 1.319 0.211 0.206
Mean 0.109 0.328 0.002 1.402 1.303 0.208 0.201
%RSD 0.387 1.533 151.775 2.045 2.256 3.174 5.120

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.24162 48.49769 -0.00239 1.91909 1.85633 0.52114 0.04988
#2 0.24354 49.85780 0.02289 1.99145 1.93012 0.55364 0.05483
#3 0.24250 49.85100 0.02250 1.98552 1.92872 0.55143 0.05431
Mean 0.24255 49.40217 0.01434 1.96535 1.90506 0.54207 0.05301
%RSD 0.39634 1.58557 101.05138 2.04421 2.21531 3.35023 5.13011

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.216 0.515 0.044 7.258 0.083 1.029 0.024
#2 0.228 2.488 0.054 7.604 0.083 1.046 0.027
#3 0.230 2.485 0.053 7.589 0.083 1.048 0.027
Mean 0.225 2.502 0.050 7.484 0.083 1.041 0.026
%RSD 3.251 1.125 10.954 2.609 0.401 0.965 7.732

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.48227 1.88740 0.05134 100.73219 1.79573 4.77769 1.36864
#2 0.50882 1.85213 0.06016 105.52662 1.81453 4.85491 1.56446
#3 0.51949 1.85008 0.05982 105.32383 1.81697 4.86673 1.56210
Mean 0.50086 1.86320 0.05710 103.86088 1.80908 4.83311 1.49840
%RSD 3.22543 1.12577 8.74326 2.61063 0.64232 1.00061 7.50006

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.297 0.001 -0.014 0.000 0.000 1.400 1.904
#2 0.306 0.009 -0.005 0.000 0.000 1.393 1.968
#3 0.305 0.009 -0.005 0.000 0.000 1.405 1.983
Mean 0.303 0.006 -0.008 0.000 0.000 1.399 1.952
%RSD 1.668 77.961 64.659 16.093 9.088 0.407 2.145

Final concentrations
ppm ppm ppm ppm ppm ppm ppm

Printed: 10/27/2009 8:12:53 AM User: Accutest
#1 0.49815 -0.00154 -0.00898 0.49644 1.98912 2.01987 1.92761
#2 0.51343 0.00604 0.01026 0.53137 2.00334 2.01026 1.98950
#3 0.51217 0.00588 0.00925 0.53474 2.01923 2.02696 2.00376
Mean 0.50791 0.00346 0.00351 0.52085 2.00390 2.01903 1.97362
%RSD 1.67011 125.28599 308.43760 4.07165 0.75177 0.41533 2.05129

IS ratioed intensities
Reading Reading Reading
#1 0.824 1.183 54605.000
#2 0.857 1.322 57113.000
#3 0.861 1.333 57103.000
Mean 0.847 1.279 56273.667
%RSD 2.442 6.535 2.568

Method: EPA3 File: it102609ml
SampleId1: mg50217-e4 SampleId2:
Analysis commenced: 10/26/2009 11:40:03 PM
Dilution ratio: 1.00000 to 1.00000

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 1.658 0.265 0.107 0.139 1.275 0.102 0.114
#2 1.593 0.251 0.102 0.132 1.212 0.097 0.108
#3 1.590 0.254 0.102 0.133 1.218 0.109 0.109
Mean 1.613 0.257 0.104 0.135 1.235 0.099 0.110
%RSD 2.383 2.912 2.774 2.856 2.820 2.841 2.892

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Printed: 10/27/2009 8:12:53 AM User: Accutest
#1 0.52018 0.00167 0.00250 0.51675 2.01407 2.03479 1.97262
#2 0.49439 0.00008 -0.00267 0.50403 1.95783 1.97754 1.91840
#3 0.49795 0.00143 0.00124 0.50070 1.95165 1.97482 1.90529
Mean 0.50417 0.00106 0.00036 0.50716 1.97451 1.99572 1.93210
%RSD 2.77245 80.78738 755.14059 1.67072 1.74186 1.69688 1.84740

IS ratioed intensities
Reading Reading Reading
#1 0.843 1.264 56519.000
#2 0.825 1.229 58451.000
#3 0.824 1.212 58404.000
Mean 0.831 1.235 57791.333
%RSD 1.322 2.162 1.907

Method: EPA3 File: it102609ml
SampleId1: CCV SampleId2:
Analysis commenced: 10/26/2009 11:45:11 PM
Dilution ratio: 1.00000 to 1.00000

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 2.239 1.046 0.436 1.372 1.484 0.411 0.333
#2 2.232 1.032 0.431 1.358 1.469 0.406 0.288
#3 2.248 1.048 0.436 1.372 1.486 0.411 0.338
Mean 2.240 1.042 0.435 1.367 1.480 0.409 0.319
%RSD 0.351 0.843 0.608 0.610 0.630 0.659 0.637

Printed: 10/27/2009 8:12:53 AM User: Accutest
#1 1.96430 1.98032 2.08587 2.14849 2.08202 2.10347 2.03913
#2 1.94289 1.96381 2.06596 2.13919 2.06203 2.08825 2.00960
#3 1.96621 1.98666 2.08149 2.14405 2.06577 2.08477 2.02778
Mean 1.95780 1.97693 2.07777 2.14391 2.06994 2.09216 2.02551
%RSD 0.66130 0.59644 0.50341 0.21695 0.51339 0.47532 0.73535

IS ratioed intensities
Reading Reading Reading
#1 3.418 4.827 59054.000
#2 3.411 4.784 59265.000
#3 3.410 4.820 58977.000
Mean 3.413 4.810 59105.333
%RSD 0.130 0.475 0.271

Final concentrations
ppm ppm intensity
#1 2.18753 2.07040 -2913.55
#2 2.18296 2.05164 -2885.75
#3 2.18231 2.06753 -2907.44
Mean 2.18427 2.06319 -2902.25
%RSD 0.13032 0.48980 0.50

Method: EPA3 File: it102609ml Printed: 10/27/2009 8:12:54 AM
SampleId: PCB SampleId2: [FLXQC]
Analysis commenced: 10/26/2009 11:52:30 PM
Dilution ratio: 1.00000 to 1.00000

K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.067 -0.001 -0.001 0.001 0.000 0.000 0.002
#2 0.067 -0.001 0.000 0.001 0.000 0.000 0.002
#3 0.067 -0.001 0.000 0.001 0.000 0.000 0.002
Mean 0.067 -0.001 0.000 0.001 0.000 0.000 0.002
%RSD 0.409 9.669 11.056 20.163 11.053 19.454 2.070

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 1.19383 -0.00108 -0.00075 -0.00002 0.00033 -0.00009 0.00005
#2 1.20290 -0.00085 -0.00041 -0.00091 -0.01633 -0.00177 0.00007
#3 1.19983 -0.00060 -0.00028 0.00046 0.00324 0.00017 0.00003
Mean 1.19886 -0.00084 -0.00051 0.00028 0.00163 -0.00003 0.00005
%RSD 0.38469 28.24268 45.68352 93.53372 90.73719 682.41337 34.60459

Cu3247 Na3302 Pd3404 As1890 Tl1908 Sb2068 Cd2265
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.003 0.018 -0.001 -0.004 -0.022 0.009 0.001
#2 0.003 0.018 -0.001 -0.004 -0.022 0.009 0.001
#3 0.003 0.018 -0.001 -0.003 -0.021 0.011 0.002
Mean 0.003 0.018 -0.001 -0.003 -0.022 0.010 0.002
%RSD 4.507 1.493 7.444 9.041 2.305 9.970 55.582

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 -0.00006 0.69551 -0.00176 -0.00328 -0.00084 -0.00549 -0.00013
#2 0.00016 0.76731 -0.00095 -0.00291 -0.00182 -0.00463 0.00030
#3 0.00061 0.76969 -0.00109 -0.00240 -0.00041 -0.00044 0.00028
Mean 0.00024 0.74417 -0.00074 -0.00286 -0.00102 -0.00050 0.00015
%RSD 143.62369 5.66474 34.42934 15.36212 70.53972 76.87648 162.15256

Ni2316 Ba4934 Ag3280 Ca3179 Al3082 Si2881 Fe2714
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 -0.001 0.001 -0.014 0.002 0.009 0.031 0.000
#2 -0.001 0.001 -0.014 0.002 0.009 0.031 0.000
#3 -0.001 0.001 -0.014 0.002 0.009 0.031 0.000
Mean -0.001 0.001 -0.014 0.002 0.009 0.031 0.000
%RSD 11.738 9.038 0.834 2.245 0.735 1.195 34.859

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.00177 0.00026 -0.00103 0.00950 -0.01887 -0.04162 0.00127
#2 0.00124 0.00023 -0.00106 0.00951 -0.01633 -0.04258 0.00894
#3 0.00166 0.00019 -0.00087 0.00856 -0.01956 -0.03916 0.01184
Mean 0.00156 0.00023 -0.00099 0.00921 -0.01825 -0.04112 0.00735
%RSD 17.95519 16.77747 10.43795 6.13952 9.38096 4.29140 74.25652

Mn2576 Mo2020 Sn1899 Pb2203 Se1960 1960/2 1960/1
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.000 0.006 -0.010 0.000 0.000 0.033 -0.087
#2 0.000 0.005 -0.010 0.000 0.000 0.033 -0.092
#3 0.000 0.005 -0.009 0.000 0.000 0.031 -0.088
Mean 0.000 0.005 -0.010 0.000 0.000 0.031 -0.089
%RSD 2.196 7.775 7.248 0.155 0.155 5.960 2.673

Final concentrations
ppm ppm ppm ppm ppm ppm ppm

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Printed: 10/27/2009 8:12:54 AM User: Accutest
#1 0.00029 0.00225 -0.00266 0.00029 0.00473 0.00597 0.00226
#2 0.00026 0.00155 -0.00158 -0.00359 -0.00014 0.00072 -0.00185
#3 0.00029 0.00163 0.00023 0.00105 0.00206 0.00210 0.00197
Mean 0.00028 0.00181 -0.00134 -0.00075 0.00222 0.00293 0.00079
%RSD 5.51968 20.95642 109.21769 330.58506 110.06578 92.99033 289.50856

IS ratioed intensities
Reading Reading Reading
#1 0.015 0.140 58979.000
#2 0.009 0.130 58801.000
#3 0.017 0.140 58924.000
Mean 0.014 0.137 58901.333
%RSD 28.973 4.067 0.155

Final concentrations
ppm ppm intensity
#1 -0.00066 0.00218 3.72
#2 -0.00045 -0.00227 2.20
#3 0.00064 0.00185 -0.32
Mean -0.00142 0.00059 1.87
%RSD 178.28606 422.41280 109.22

Method: EPA3 File: it102609ml Printed: 10/27/2009 8:12:54 AM
SampleId: ICSA SampleId2: [FLXQC]
Analysis commenced: 10/26/2009 11:58:48 PM
Dilution ratio: 1.00000 to 1.00000

K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.073 0.000 -0.001 0.004 0.004 19.113 0.002
#2 0.072 -0.001 -0.001 0.003 0.003 19.064 -0.014
#3 0.073 -0.001 -0.001 0.004 0.004 19.084 -0.014
Mean 0.073 0.000 -0.001 0.004 0.004 19.086 -0.013
%RSD 0.379 73.862 22.830 10.623 0.126 1.123 2.902

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 -0.05943 -0.00043 -0.00129 0.00401 544.85670 -0.00102 0.00007
#2 -0.07088 -0.00231 -0.00321 0.00282 543.49225 -0.00252 0.00001
#3 -0.06247 -0.00180 -0.00285 0.00322 544.06389 -0.00225 0.00002
Mean -0.06426 -0.00151 -0.00245 0.00335 544.13761 -0.00193 0.00003
%RSD 9.23128 64.19680 41.77692 18.16280 0.12592 41.46050 85.87822

Cu3247 Na3302 Pd3404 As1890 Tl1908 Sb2068 Cd2265
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.004 0.019 -0.001 0.001 0.042 0.002 0.036
#2 0.004 0.016 -0.002 -0.004 0.036 -0.003 0.033
#3 0.004 0.017 -0.002 -0.001 0.041 -0.003 0.036
Mean 0.004 0.017 -0.002 -0.001 0.040 -0.001 0.035
%RSD 2.754 6.289 28.550 179.994 8.718 226.644 4.487

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 -0.00049 -0.11444 -0.00169 0.00656 -0.01336 -0.02782 0.00371
#2 -0.00103 -0.45305 -0.00536 0.00042 -0.02220 -0.04255 0.00295
#3 -0.00072 -0.33628 -0.00535 0.00466 -0.01422 -0.04228 0.00361
Mean -0.00075 -0.30126 -0.00413 0.00388 -0.01660 -0.03755 0.00342
%RSD 36.32114 57.09408 51.11617 81.09224 29.37343 22.43675 12.14347

Ni2316 Ba4934 Ag3280 Ca3179 Al3082 Si2881 Fe2714
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.000 0.018 0.000 0.000 0.000 0.035 0.568
#2 -0.001 0.018 -0.013 28.053 17.929 0.033 3.563
#3 0.000 0.018 -0.013 28.086 17.906 0.033 3.565
Mean 0.000 0.018 -0.012 28.102 17.879 0.034 3.566
%RSD 81.393 0.173 6.806 0.210 0.375 2.485 0.071

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.00992 0.00428 0.00247 390.98346 481.35013 -0.05213 200.07498
#2 0.00833 0.00427 0.00122 389.39198 484.75185 -0.05901 199.78229
#3 0.00931 0.00430 0.00112 389.85133 484.14838 -0.05906 199.91441
Mean 0.00919 0.00428 0.00161 390.07559 483.41678 -0.05673 199.92389
%RSD 8.74697 0.44104 46.82870 0.20999 0.37546 7.02771 0.07332

Mn2576 Mo2020 Sn1899 Pb2203 Se1960 1960/2 1960/1
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.000 -0.008 -0.015 0.000 0.000 -0.008 -0.165
#2 0.000 -0.010 -0.019 0.000 0.000 -0.034 -0.183
#3 0.000 -0.009 -0.017 0.000 0.000 -0.037 -0.186
Mean 0.000 -0.009 -0.017 0.000 0.000 -0.026 -0.178
%RSD 33.309 9.532 11.705 0.452 0.452 61.686 6.218

Final concentrations
ppm ppm ppm ppm ppm ppm ppm



Printed: 10/27/2009 8:12:54 AM User: Accutest
#1 0.00342 -0.00295 -0.01838 0.00920 0.01499 0.04656 -0.04815
#2 0.00313 -0.00440 -0.02660 -0.03393 -0.01691 0.00704 -0.06482
#3 0.00320 -0.00401 -0.02388 -0.03630 -0.02036 0.00346 -0.06800
Mean 0.00325 -0.00378 -0.02296 -0.02034 -0.00743 0.01902 -0.06032
%RSD 4.62936 19.78998 18.23161 125.89187 262.45437 125.73050 17.67579

IS ratioed intensities
Reading Reading Reading
#1 -0.066 0.494 52137.000
#2 -0.161 0.477 51717.000
#3 -0.167 0.477 51744.000
Mean -0.132 0.483 51866.000
%RSD 42.883 2.081 0.453

Final concentrations
ppm ppm intensity
#1 0.07286 -0.11773 25.68
#2 0.01209 -0.12595 37.15
#3 0.00857 -0.12603 33.36
Mean 0.03110 -0.12324 32.07
%RSD 115.84017 3.86952 18.23

Method: EPA3 File: it102609ml
SampleId1: ICSAB SampleId2:
Analysis commenced: 10/27/2009 12:05:07 AM
Dilution ratio: 1.00000 to 1.00000

K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.074 0.500 0.105 0.333 19.123 0.089 1.078
#2 0.075 0.507 0.106 0.337 19.306 0.090 1.092
#3 0.075 0.509 0.107 0.337 19.241 0.090 1.094
Mean 0.075 0.505 0.106 0.336 19.257 0.090 1.088
%RSD 0.558 0.885 0.810 0.662 0.608 0.742 0.808

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 -0.02034 1.00516 0.49233 0.49137 545.19970 0.51169 0.51549
#2 -0.03073 1.01826 0.49827 0.49659 550.40979 0.51723 0.52028
#3 -0.01898 1.02236 0.49998 0.49744 551.42155 0.51887 0.52333
Mean -0.02335 1.01526 0.49686 0.49514 549.01035 0.51593 0.52030
%RSD 27.53030 0.88455 0.80745 0.66345 0.60812 0.72919 0.80290

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.214 0.016 0.112 0.743 0.747 0.422 4.001
#2 0.217 0.015 0.114 0.755 0.760 0.426 4.030
#3 0.216 0.017 0.114 0.754 0.758 0.426 4.045
Mean 0.216 0.016 0.113 0.751 0.755 0.425 4.025
%RSD 0.560 4.648 0.780 0.919 0.884 0.554 0.554

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.48157 -0.36370 0.50291 1.04521 1.00697 1.13139 1.05045
#2 0.48661 -0.44683 0.50936 1.06681 1.02372 1.14158 1.05830
#3 0.48603 -0.22105 0.51000 1.06507 1.02103 1.14341 1.06198
Mean 0.48474 -0.34386 0.50742 1.06037 1.01724 1.13719 1.05861
%RSD 0.56846 33.20908 0.77330 0.91444 0.88430 0.56891 0.55420

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.440 0.651 1.115 28.364 17.858 0.037 3.546
#2 0.445 0.658 1.128 28.663 18.058 0.037 3.581
#3 0.445 0.656 1.125 28.730 17.988 0.038 3.588
Mean 0.443 0.655 1.123 28.586 17.968 0.037 3.572
%RSD 0.654 0.570 0.607 0.683 0.566 1.381 0.635

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.98079 0.47593 1.01819 393.67371 482.82746 -0.03816 198.77110
#2 0.99199 0.48126 1.02887 397.82897 488.24410 -0.03675 200.77218
#3 0.99190 0.47926 1.02739 398.76182 486.38685 -0.03631 201.13773
Mean 0.98823 0.47885 1.02515 396.75483 485.81947 -0.03617 200.22700
%RSD 0.65155 0.57086 0.60019 0.68274 0.56658 6.44531 0.63629

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.286 0.546 -0.011 0.000 0.000 0.717 0.969
#2 0.289 0.552 -0.011 0.000 0.000 0.725 0.958
#3 0.289 0.554 -0.009 0.000 0.000 0.700 0.985
Mean 0.288 0.551 -0.010 0.000 0.000 0.714 0.971
%RSD 0.686 0.723 10.618 10.498 0.348 1.771 1.356

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.98079 0.47593 1.01819 393.67371 482.82746 -0.03816 198.77110
#2 0.99199 0.48126 1.02887 397.82897 488.24410 -0.03675 200.77218
#3 0.99190 0.47926 1.02739 398.76182 486.38685 -0.03631 201.13773
Mean 0.98823 0.47885 1.02515 396.75483 485.81947 -0.03617 200.22700
%RSD 0.65155 0.57086 0.60019 0.68274 0.56658 6.44531 0.63629

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#1 0.48309 0.49039 -0.00765 1.06124 1.09215 1.11530 1.04585
#2 0.48907 0.49557 -0.00772 1.06679 1.09777 1.12866 1.03598
#3 0.48668 0.49441 -0.00386 1.05284 1.08195 1.09234 1.06118
Mean 0.48695 0.49441 -0.00641 1.06029 1.09062 1.11210 1.04767
%RSD 0.68619 0.72515 34.46504 0.66215 0.73522 1.65216 1.21214

IS ratioed intensities
Reading Reading Reading
#1 1.550 2.910 52703.000
#2 1.570 2.891 52346.000
#3 1.522 2.933 52457.000
Mean 1.547 2.911 52502.000
%RSD 1.537 0.728 0.348

Final concentrations
ppm ppm intensity
#1 1.10769 0.96833 10.69
#2 1.12162 0.95712 10.78
#3 1.09117 0.97619 5.39
Mean 1.10682 0.96722 8.95
%RSD 1.37736 0.99095 34.47

Method: EPA3 File: it102609ml
SampleId1: CCV SampleId2:
Analysis commenced: 10/27/2009 12:11:25 AM
Dilution ratio: 1.00000 to 1.00000

K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 2.295 1.045 0.438 1.382 1.482 0.372 4.372
#2 2.303 1.029 0.436 1.375 1.474 0.412 4.334
#3 2.298 1.037 0.437 1.379 1.479 0.412 4.353
Mean 2.299 1.036 0.437 1.379 1.479 0.412 4.353
%RSD 0.175 0.681 0.261 0.244 0.255 0.174 0.433

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 38.52189 2.09653 2.04734 2.04694 42.26002 2.08563 2.09390
#2 38.65486 2.06845 2.03671 2.03702 42.04801 2.07840 2.07583
#3 38.58135 2.08600 2.04152 2.04281 42.18415 2.08121 2.08493
Mean 38.58603 2.08366 2.04186 2.04226 42.16406 2.08175 2.08489
%RSD 0.17263 0.68089 0.26080 0.24415 0.25477 0.17502 0.43333

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.841 0.268 0.427 1.451 1.364 0.774 8.191
#2 0.841 0.267 0.426 1.436 1.360 0.772 8.130
#3 0.841 0.267 0.426 1.434 1.365 0.772 8.146
Mean 0.841 0.267 0.426 1.440 1.363 0.773 8.156
%RSD 0.048 0.127 0.084 0.641 0.219 0.143 0.388

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 1.92526 40.70252 1.90700 2.04698 1.99114 2.11342 2.16133
#2 1.92515 40.59383 1.90404 2.02655 1.98501 2.10894 2.14521
#3 1.92360 40.65446 1.90448 2.02303 1.99324 2.10756 2.14947
Mean 1.92467 40.65027 1.90518 2.03219 1.98980 2.10997 2.15200
%RSD 0.04848 0.13399 0.08365 0.63636 0.21497 0.14512 0.38825

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.938 2.561 0.268 3.045 1.457 1.174 0.734
#2 0.939 2.570 0.267 3.023 1.460 1.165 0.730
#3 0.939 2.564 0.268 3.040 1.460 1.168 0.732
Mean 0.939 2.565 0.268 3.036 1.459 1.168 0.732
%RSD 0.052 0.170 0.220 0.388 0.107 0.194 0.300

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 2.07784 1.90649 0.25410 42.10945 39.04007 5.42947 41.28304
#2 2.07921 1.91286 0.25311 41.79707 39.11075 5.40776 41.03668
#3 2.07993 1.90859 0.25395 42.03504 39.11333 5.41858 41.13906
Mean 2.07899 1.90931 0.25372 41.98052 39.08805 5.41860 41.15292
%RSD 0.05114 0.17009 0.21024 0.38868 0.10635 0.20030 0.30075

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 1.181 2.240 0.972 0.000 0.000 1.447 2.006
#2 1.175 2.235 0.965 0.000 0.000 1.447 2.017
#3 1.178 2.239 0.969 0.000 0.000 1.453 2.006
Mean 1.178 2.238 0.968 0.000 0.000 1.449 2.006
%RSD 0.253 0.122 0.373 5.988 0.229 0.243 0.523

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 2.07784 1.90649 0.25410 42.10945 39.04007 5.42947 41.28304
#2 2.07921 1.91286 0.25311 41.79707 39.11075 5.40776 41.03668
#3 2.07993 1.90859 0.25395 42.03504 39.11333 5.41858 41.13906
Mean 2.07899 1.90931 0.25372 41.98052 39.08805 5.41860 41.15292
%RSD 0.05114 0.17009 0.21024 0.38868 0.10635 0.20030 0.30075

Zoom In Zoom Out

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#1 1.98074 1.98925 2.08102 2.14844 2.08907 2.12011 2.02698
#2 1.97076 1.98481 2.06589 2.15307 2.09289 2.12084 2.03698
#3 1.97652 1.98873 2.07547 2.14974 2.09186 2.12939 2.01680
Mean 1.97601 1.98760 2.07413 2.15068 2.09127 2.12345 2.02692
%RSD 0.25345 0.12218 0.36917 0.13176 0.09458 0.24304 0.49800

IS ratioed intensities
Reading Reading Reading
#1 3.429 4.793 57337.000
#2 3.435 4.815 57217.000
#3 3.438 4.777 57075.000
Mean 3.434 4.795 57209.667
%RSD 0.130 0.398 0.229

Final concentrations
ppm ppm intensity
#1 2.19506 2.05520 -2906.79
#2 2.19846 2.06468 -2885.64
#3 2.20077 2.04769 -2899.03
Mean 2.19810 2.05586 -2897.15
%RSD 0.13060 0.41419 0.37

Zoom In Zoom Out

Method: EPA3 File: it102609ml
SampleId1: CCB SampleId2:
Analysis commenced: 10/27/2009 12:17:44 AM
Dilution ratio: 1.00000 to 1.00000

K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.067 0.001 0.000 0.002 0.002 0.000 0.002
#2 0.066 0.001 0.000 0.001 0.001 0.000 0.002
#3 0.067 0.002 0.000 0.002 0.002 0.000 0.002

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 1.18694 0.00436 -0.00026 0.00123 0.03662 -0.00005 0.00039
#2 1.17990 0.00397 -0.00042 0.00073 0.03160 -0.00014 0.00024
#3 1.19567 0.00490 0.00048 0.00186 0.03273 0.00031 0.00028

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.004 0.019 -0.001 -0.002 -0.022 0.009 0.003
#2 0.004 0.019 -0.001 -0.003 -0.025 0.010 0.003
#3 0.004 0.020 -0.001 -0.001 0.000 -0.021 0.004

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.00106 0.84582 -0.00142 -0.00065 -0.00171 -0.00527 0.00047
#2 0.00085 0.81074 -0.00157 -0.00182 -0.00500 -0.00337 0.00041
#3 0.00144 1.10647 -0.00185 -0.00200 -0.00014 -0.00001 0.00070

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 -0.001 0.001 -0.013 0.006 0.010 0.031 0.001
#2 -0.001 0.001 -0.013 0.005 0.010 0.032 0.001
#3 -0.001 0.001 -0.012 0.005 0.010 0.034 0.001

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.00194 0.00051 -0.00025 0.06391 0.01706 -0.03890 0.02227
#2 0.00147 0.00035 -0.00059 0.05756 0.01163 0.03056 0.01932
#3 0.00278 0.00043 0.00089 0.05625 0.01378 -0.02746 0.03439

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.001 0.005 -0.010 0.000 0.000 0.032 -0.095
#2 0.001 0.005 -0.011 0.000 0.000 0.037 -0.094
#3 0.001 0.006 -0.009 0.000 0.000 0.030 -0.100

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.00194 0.00051 -0.00025 0.06391 0.01706 -0.03890 0.02227
#2 0.00147 0.00035 -0.00059 0.05756 0.01163 0.03056 0.01932
#3 0.00278 0.00043 0.00089 0.05625 0.01378 -0.02746 0.03439

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.004 0.153 -0.001 -0.004 -0.023 0.012 0.002
#2 0.005 0.153 -0.001 -0.004 -0.020 0.012 0.002
#3 0.005 0.153 -0.001 -0.002 -0.023 0.011 0.001

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.00373 0.03238 -0.00033 79.37708 -0.02173 4.65492 0.38675
#2 0.00439 0.03245 0.00013 79.54542 -0.02255 4.67363 0.39046
#3 0.00454 0.03235 -0.00022 79.18616 -0.02087 4.66261 0.38901

6.1 6

Zoom In Zoom Out

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#1 0.00060 0.00142 -0.00242 0.00013 0.00106 0.00398 -0.00480
#2 0.00054 0.00167 -0.00422 0.00342 0.00588 0.01095 -0.00426
#3 0.00061 0.00201 0.00025 -0.00356 -0.00255 0.00096 -0.00957

IS ratioed intensities
Reading Reading Reading
#1 0.019 0.127 57162.000
#2 0.025 0.133 57206.000
#3 0.011 0.127 57045.000

Final concentrations
ppm ppm intensity
#1 0.00204 -0.00370 3.38
#2 0.00057 -0.00119 5.89
#3 -0.00332 -0.00405 -0.35

Zoom In Zoom Out

Method: EPA3 File: it102609ml
SampleId1: ja30201-3f SampleId2:
Analysis commenced: 10/27/2009 12:24:01 AM
Dilution ratio: 1.00000 to 1.00000

K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.256 0.006 0.000 0.002 0.302 0.000 0.002
#2 0.256 0.006 0.000 0.002 0.301 0.000 0.002
#3 0.256 0.006 0.000 0.002 0.302 0.000 0.002

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 4.34459 0.01382 0.00055 0.00140 8.57377 0.00022 0.00011
#2 4.33615 0.01432 0.00128 0.00193 8.60041 0.00073 0.00011
#3 4.32650 0.01413 0.00112 0.00183 8.56714 0.00082 0.00013

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.004 0.153 -0.001 -0.004 -0.023 0.012 0.002
#2 0.005 0.153 -0.001 -0.004 -0.020 0.012 0.002
#3 0.005 0.153 -0.001 -0.002 -0.023 0.011 0.001

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.00283 21.89041 0.00042 0.00042 -0.00096 0.00186 0.00029
#2 0.00330 21.95284 0.00167 -0.00327 0.00157 0.00280 0.00053
#3 0.00305 21.82623 0.00144 -0.00099 -0.00393 -0.00027 0.00010

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.000 0.044 0.000 0.013 0.000 0.006 0.006
#2 0.000 0.044 0.000 0.013 0.000 0.006 0.006
#3 0.000 0.044 0.000 0.013 0.000 0.006 0.006

Printed: 10/27/2009 8:12:54 AM User: Accutest
#1 0.02877 0.00004 -0.00145 -0.00585 0.00305 0.00813 -0.00710
#2 0.02861 0.00060 -0.00080 -0.00252 0.00646 0.01216 -0.00493
#3 0.02875 0.00032 -0.00184 -0.00499 0.00365 0.01170 -0.01246
Mean 0.02878 0.00032 -0.00136 -0.00445 0.00439 0.01066 -0.00817
%RSD 0.10388 86.98173 38.66153 38.84096 41.54077 20.70843 47.46899
2203/2 2203/1 INT STD
IS ratioed intensities
Reading Reading Reading
#1 0.023 0.117 57549.000
#2 0.029 0.121 57818.000
#3 0.029 0.105 57876.000
Mean 0.027 0.115 57747.667
%RSD 13.493 7.473 0.302
Final concentrations
ppm ppm intensity
#1 0.00867 -0.03491 2.02
#2 0.01276 -0.03308 1.12
#3 0.01270 -0.04036 2.57
Mean 0.01138 -0.03611 1.90
%RSD 20.57951 10.48619 38.66

Method: EPA3 File: it102609ml Printed: 10/27/2009 8:12:55 AM
SampleId1: mg50217-ed2 SampleId2:
Analysis commenced: 10/27/2009 12:30:09 AM
Dilution ratio: 1.00000 to 5.00000
K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.105 0.001 0.000 0.002 0.061 0.000 0.002
#2 0.104 0.001 0.000 0.001 0.061 0.000 0.002
#3 0.105 0.001 0.000 0.002 0.061 0.000 0.002
Mean 0.105 0.001 0.000 0.001 0.061 0.000 0.002
%RSD 0.308 5.228 149.983 16.767 0.430 48.201 4.103
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 9.13242 0.02192 0.01191 0.00769 8.69190 0.00270 0.00333
#2 9.07760 0.02053 0.00709 8.00389 8.62587 0.00079 0.00461
#3 9.10764 0.02105 0.00949 8.00615 8.62856 -0.00164 0.00008
Mean 9.10589 0.02117 0.00950 8.00595 8.64868 0.00009 0.00275
%RSD 0.30146 3.33164 25.37623 31.29213 0.43321 2470.99637 62.15755
Cu3247 Na3302 Pd3404 As1890 Tl1908 Sb2068 Cd2265
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.004 0.046 0.000 0.001 -0.022 0.013 0.004
#2 0.004 0.044 0.000 -0.002 -0.024 0.012 0.003
#3 0.004 0.045 0.000 0.000 -0.023 0.013 0.004
Mean 0.004 0.045 0.000 0.000 -0.023 0.013 0.003
%RSD 2.406 1.772 884.528 317.185 3.585 4.959 14.312
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.01373 25.47825 0.03101 0.01412 -0.00731 0.03063 0.00384
#2 0.01168 24.25199 0.01803 -0.00221 -0.01859 0.01355 0.00257
#3 0.01169 25.07785 0.02108 0.01075 -0.01595 0.02232 0.00345
Mean 0.01237 24.93603 0.02337 0.00753 0.01385 0.02266 0.00349
%RSD 9.55357 2.50766 29.04350 114.17834 42.27887 38.59157 19.84828
Ni2316 Ba4934 Ag3280 Ca3179 Al3082 Si2881 Fe2714
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.000 0.009 -0.010 1.150 0.009 0.232 0.002
#2 0.000 0.009 -0.011 1.144 0.009 0.230 0.001
#3 0.000 0.009 -0.011 1.147 0.009 0.230 0.001
Mean 0.000 0.009 -0.011 1.147 0.009 0.231 0.001
%RSD 63.798 0.707 5.559 0.225 0.849 0.640 15.478
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.01780 0.03413 0.01055 79.73843 -0.03624 4.65725 0.53125
#2 0.01722 0.03388 0.00637 79.38371 -0.05428 4.59389 0.40870
#3 0.01968 0.03364 0.00535 79.53986 -0.05382 4.59757 0.43289
Mean 0.01823 0.03388 0.00742 79.55334 -0.04812 4.61624 0.45761
%RSD 7.06608 0.72817 37.05059 0.22468 21.37477 0.77038 14.18305
Mn2576 Mo2020 Sn1899 Pb2203 Se1960 1960/2 1960/1
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.004 0.005 -0.008 0.000 0.000 0.036 -0.098
#2 0.004 0.005 -0.009 0.000 0.000 0.036 -0.093
#3 0.004 0.004 -0.009 0.000 0.000 0.038 -0.107
Mean 0.004 0.004 -0.009 0.000 0.000 0.037 -0.099
%RSD 1.693 25.130 5.031 0.091 0.091 2.916 6.887
Final concentrations
ppm ppm ppm ppm ppm ppm ppm

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#1 0.03099 0.00657 -0.01165 0.02140 0.04903 -0.03386
#2 0.02993 -0.00199 -0.00035 0.00861 0.02997 0.05090 -0.01188
#3 0.03022 0.00129 -0.00474 -0.01741 0.01660 0.06350 -0.07660
Mean 0.03038 0.00196 -0.00011 -0.00682 0.02272 0.05447 -0.04078
%RSD 1.80236 220.77583 4387.29949 200.40168 29.41583 14.44927 80.69946
2203/2 2203/1 INT STD
IS ratioed intensities
Reading Reading Reading
#1 0.019 0.120 58252.000
#2 0.024 0.132 58352.000
#3 0.022 0.102 58332.000
Mean 0.022 0.118 58312.000
%RSD 12.275 12.896 0.091
Final concentrations
ppm ppm intensity
#1 0.01402 -0.06298 -6.65
#2 0.03086 -0.03590 0.49
#3 0.02540 -0.10303 6.62
Mean 0.02342 -0.06730 0.15
%RSD 36.68431 50.18318 4387.30

Method: EPA3 File: it102609ml Printed: 10/27/2009 8:12:55 AM
SampleId1: ja30201-1 SampleId2:
Analysis commenced: 10/27/2009 12:35:16 AM
Dilution ratio: 1.00000 to 1.00000
K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.419 0.005 0.000 0.026 0.471 0.000 0.002
#2 0.418 0.005 0.000 0.026 0.471 0.000 0.002
#3 0.419 0.005 0.000 0.026 0.471 0.000 0.002
Mean 0.419 0.005 0.000 0.026 0.471 0.000 0.002
%RSD 0.087 3.486 114.694 0.606 0.019 21.681 2.831
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 6.98717 0.01178 0.00147 0.03738 13.43047 -0.00032 -0.00004
#2 6.98480 0.01162 0.00138 0.03755 13.43269 -0.00005 -0.00008
#3 6.98609 0.01108 0.00121 0.03784 13.42752 -0.00005 -0.00004
Mean 6.98935 0.01149 0.00135 0.03759 13.43023 -0.00014 -0.00005
%RSD 0.08512 3.16843 9.47506 0.62267 0.01930 112.52117 40.27764
Cu3247 Na3302 Pd3404 As1890 Tl1908 Sb2068 Cd2265
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.005 0.464 -0.001 -0.001 -0.026 0.011 0.004
#2 0.005 0.465 -0.001 -0.002 -0.026 0.009 0.003
#3 0.005 0.465 -0.001 -0.001 -0.027 0.009 0.003
Mean 0.005 0.465 -0.001 -0.001 -0.026 0.010 0.003
%RSD 1.074 0.143 22.172 41.473 2.166 10.771 15.105
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.00445 70.19524 0.00169 0.00126 -0.00825 -0.00121 0.00084
#2 0.00423 70.30610 0.00201 0.00052 -0.00811 -0.00605 0.00064
#3 0.00423 70.40191 0.00081 0.00186 -0.00957 -0.00616 0.00062
Mean 0.00430 70.30108 0.00151 0.00121 -0.00864 -0.00447 0.00070
%RSD 2.93469 0.14712 41.34046 55.55654 9.31620 63.23669 17.26572
Ni2316 Ba4934 Ag3280 Ca3179 Al3082 Si2881 Fe2714
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.000 0.079 -0.012 8.645 0.012 0.816 0.005
#2 0.000 0.079 -0.012 8.653 0.012 0.817 0.005
#3 0.000 0.079 -0.012 8.654 0.012 0.816 0.004
Mean 0.000 0.079 -0.012 8.651 0.012 0.816 0.005
%RSD 264.721 0.095 0.442 0.057 0.292 0.091 3.839
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.00493 0.05807 0.00082 120.03528 0.03610 3.74663 0.31580
#2 0.00395 0.05818 0.00090 120.14453 0.03422 3.75374 0.31864
#3 0.00473 0.05816 0.00081 120.16385 0.03486 3.75025 0.29932
Mean 0.00454 0.05814 0.00084 120.11389 0.03506 3.75021 0.31125
%RSD 11.46145 0.09561 5.59359 0.05714 2.72731 0.09478 3.35151
Mn2576 Mo2020 Sn1899 Pb2203 Se1960 1960/2 1960/1
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.005 0.009 -0.009 0.000 0.000 0.038 -0.101
#2 0.005 0.008 -0.009 0.000 0.000 0.037 -0.115
#3 0.005 0.008 -0.010 0.000 0.000 0.035 -0.107
Mean 0.005 0.008 -0.009 0.000 0.000 0.037 -0.108
%RSD 0.536 3.667 6.682 0.179 0.179 3.967 6.429
Final concentrations
ppm ppm ppm ppm ppm ppm ppm

```

Printed: 10/27/2009 8:12:55 AM      User: Accutest
#1 0.00768      0.00490      -0.00082     -0.00375     0.00517     0.01031     -0.00511
#2 0.00776      0.00460      0.00105     -0.00764     0.00000     0.00919     -0.01838
#3 0.00770      0.00436     -0.00148     -0.00637     0.00063     0.00613     -0.01039
Mean 0.00771     0.00462     -0.00042     -0.00592     0.00193     0.00855     -0.01129
%RSD 0.54847     5.83664     315.11227    33.52653    145.81453    25.30881    59.14492

2203/2      2203/1      INT STD

IS ratioed intensities
Reading      Reading      Reading
#1 0.022      0.121      55997.000
#2 0.021      0.099      56062.000
#3 0.021      0.108      55865.000
Mean 0.021     0.109     55974.667
%RSD 4.029     10.278     0.179

Final concentrations
ppm           ppm      intensity
#1 0.01111     -0.03347  1.15
#2 0.01027     -0.04348  -1.47
#3 0.01007     -0.03924  2.06
Mean 0.01048     -0.03673  0.58
%RSD 5.25268     12.97787  315.11

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Method: EPA3           File: it102609ml
SampleId1: ja30201-2  SampleId2:
Analysis commenced: 10/27/2009 12:42:24 AM
Dilution ratio: 1.00000 to 1.00000

K 7664      Zn2062      Co2286      Cr2677      Mg2790      V 2924      Be3130

IS ratioed intensities
Reading      Reading      Reading      Reading      Reading      Reading      Reading
#1 1.943      0.002      0.000      0.021      0.416      0.000      0.002
#2 1.941      0.002      0.000      0.021      0.415      0.000      0.002
#3 1.936      0.001      0.000      0.021      0.415      0.000      0.001
Mean 1.940     0.002     0.000     0.021     0.415     0.000     0.002
%RSD 0.195     12.563     60.103     0.593     0.196     26.640     3.952

Final concentrations
ppm           ppm      ppm      ppm      ppm      ppm      ppm
#1 32.44255     0.00470  0.00130  0.03071  11.86141  0.00200  -0.00002
#2 32.42118     0.00409  0.00072  0.03034  11.82207  0.00000  0.00005
#3 32.32448     0.00392  0.00089  0.03057  11.82046  0.00119  -0.00007
Mean 32.39607     0.00424  0.00097  0.03054  11.83465  0.00152  -0.00005
%RSD 0.19421     9.67165   31.15566  0.61408  0.19593   28.18086  63.39414

Cu3247      Na3302      Pd3404      As1890      Tl1908      Sb2068      Cd2265

IS ratioed intensities
Reading      Reading      Reading      Reading      Reading      Reading      Reading
#1 0.005      1.852      -0.001      0.000      -0.017      0.011      0.004
#2 0.005      1.851      -0.001      -0.002      -0.019      0.011      0.001
#3 0.005      1.848      -0.001      -0.000      -0.017      0.011      0.002
Mean 0.005     1.850     -0.001     -0.001     -0.018     0.011     0.002
%RSD 1.591     0.111     13.477     109.664  5.512     3.109     48.917

Final concentrations
ppm           ppm      ppm      ppm      ppm      ppm      ppm
#1 0.00380     286.30601 0.00189  0.00202  0.00401  0.00038  0.00079
#2 0.00357     286.20517 0.00133  0.00031  0.00141  -0.00093  0.00018
#3 0.00346     285.70674 0.00117  0.00237  0.00363  -0.00142  0.00037
Mean 0.00361     286.07264 0.00146  0.00147  0.00302  -0.00044  0.00044
%RSD 4.87047     0.11216   25.91035  70.28877  46.53407  140.99704  70.17145

Ni2316      Ba4934      Ag3280      Ca3179      Al3082      Si2881      Fe2714

IS ratioed intensities
Reading      Reading      Reading      Reading      Reading      Reading      Reading
#1 0.000      0.123      -0.012      7.106      0.010      0.804      0.055
#2 -0.001     0.123     -0.012      7.059      0.010      0.802      0.054
#3 0.000      0.123     -0.012      7.071      0.010      0.802      0.054
Mean 0.000     0.123     -0.012     7.079     0.010     0.803     0.054
%RSD 127.860     0.129   1.153     0.342     0.590     0.161     0.545

Final concentrations
ppm           ppm      ppm      ppm      ppm      ppm      ppm
#1 0.00419     0.09099  0.00057  98.65241  -0.00825  3.69052  3.14523
#2 0.00343     0.09101  0.00046  98.00661  -0.00989  3.68136  3.11452
#3 0.00478     0.09080  0.00031  98.16571  -0.01139  3.67863  3.11803
Mean 0.00413     0.09093  0.00045  98.27491  -0.00984  3.68350  3.12592
%RSD 16.28260     0.12910  28.35423  0.34237  15.99267  0.16915  0.53771

Mn2576      Mo2020      Sn1899      Pb2203      Se1960      1960/2      1960/1

IS ratioed intensities
Reading      Reading      Reading      Reading      Reading      Reading      Reading
#1 0.361      0.007      -0.008      0.000      0.000      0.034      -0.102
#2 0.360      0.006     -0.008      0.000      0.000      0.034      -0.100
#3 0.360      0.007     -0.008      0.000      0.000      0.035      -0.093
Mean 0.360     0.006     -0.008     0.000     0.000     0.034     -0.098
%RSD 0.169     8.583     4.107     0.120     0.120     2.152     4.815

Final concentrations
ppm           ppm      ppm      ppm      ppm      ppm      ppm

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Printed: 10/27/2009 8:12:55 AM      User: Accutest
#1 0.60518     0.00290     -0.00507     0.00246     0.00679     -0.00620
#2 0.60393     0.00245     0.00194     -0.00483     0.00193     0.00509     -0.00438
#3 0.60315     0.00222     0.00153     -0.00194     0.00554     0.00709     0.00242
Mean 0.60409     0.00301     0.00212     -0.00395     0.00331     0.00633     -0.00272
%RSD 0.16933     16.23016    33.12952    44.19624    58.73441    17.04374    167.04750

2203/2      2203/1      INT STD

IS ratioed intensities
Reading      Reading      Reading
#1 0.016      0.132      55910.000
#2 0.019      0.126      55862.000
#3 0.020      0.142      55778.000
Mean 0.018     0.133     55850.000
%RSD 11.158     6.190     0.120

Final concentrations
ppm           ppm      intensity
#1 0.00570     -0.02661  -4.05
#2 0.00755     -0.02955  -2.71
#3 0.00821     -0.02223  -2.14
Mean 0.00714     -0.02613  -2.97
%RSD 18.19166     14.08997  33.13

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Method: EPA3           File: it102609ml
SampleId1: ja30201-4  SampleId2:
Analysis commenced: 10/27/2009 12:48:31 AM
Dilution ratio: 1.00000 to 1.00000

K 7664      Zn2062      Co2286      Cr2677      Mg2790      V 2924      Be3130

IS ratioed intensities
Reading      Reading      Reading      Reading      Reading      Reading      Reading
#1 0.249      0.006      0.000      0.006      0.315      0.000      0.002
#2 0.248      0.006      0.000      0.006      0.313      0.000      0.002
#3 0.248      0.006      0.000      0.006      0.313      0.000      0.002
Mean 0.248     0.006     0.000     0.006     0.314     0.000     0.002
%RSD 0.239     4.343     141.995  1.805     0.323  11.185  2.209

Final concentrations
ppm           ppm      ppm      ppm      ppm      ppm      ppm
#1 4.21662     0.01348  0.00202  0.00813  8.96702  0.00050  0.00002
#2 4.19816     0.01277  0.00153  0.00781  8.91189  0.00041  0.00001
#3 4.20113     0.01249  0.00145  0.00792  8.92454  0.00024  -0.00001
Mean 4.20531     0.01291  0.00166  0.00795  8.93448  0.00038  0.00001
%RSD 0.23576     3.94059   18.63062  2.03878  0.32327  35.21105  250.44091

Cu3247      Na3302      Pd3404      As1890      Tl1908      Sb2068      Cd2265

IS ratioed intensities
Reading      Reading      Reading      Reading      Reading      Reading      Reading
#1 0.004      0.153      0.000      0.000      -0.021      0.011      0.003
#2 0.004      0.152     -0.001     -0.001     -0.024      0.010      0.002
#3 0.004      0.152     -0.001     -0.002     -0.025      0.011      0.002
Mean 0.004     0.152     0.000     -0.001     -0.023  0.011  0.002
%RSD 2.473     0.372     33.650  76.538  9.188  4.160  18.822

Final concentrations
ppm           ppm      ppm      ppm      ppm      ppm      ppm
#1 0.00299     21.79721  0.00305  0.00215  -0.00037  0.00032  0.00055
#2 0.00238     21.64508  0.00188  0.00072  -0.00535  -0.00193  0.00035
#3 0.00283     21.64232  0.00266  0.00018  -0.00600  -0.00167  0.00037
Mean 0.00266     21.69487  0.00253  0.00102  -0.00391  -0.00109  0.00042
%RSD 9.33806     0.40859   23.49723  99.69204  78.78571  112.67581  25.12244

Ni2316      Ba4934      Ag3280      Ca3179      Al3082      Si2881      Fe2714

IS ratioed intensities
Reading      Reading      Reading      Reading      Reading      Reading      Reading
#1 0.000      0.045      0.000      0.000      0.009      0.964      0.010
#2 -0.001     0.045     -0.012  5.762  0.009  0.960  0.010
#3 -0.001     0.045     -0.011  5.762  0.009  0.960  0.010
Mean -0.001     0.045     -0.012  5.772  0.009  0.961  0.010
%RSD 14.245     0.230  0.954  0.290  1.140  0.276  1.149

Final concentrations
ppm           ppm      ppm      ppm      ppm      ppm      ppm
#1 0.00285     0.03294  0.00114  80.39801  -0.02490  4.46457  0.64833
#2 0.00231     0.03296  0.00094  79.99037  -0.03023  4.44241  0.63565
#3 0.00250     0.03282  0.00106  80.00135  -0.02914  4.44238  0.64586
Mean 0.00256     0.03291  0.00105  80.12991  -0.02809  4.44979  0.64328
%RSD 10.76267     0.23153  9.46942  0.28984  10.01514  0.28768  1.04546

Mn2576      Mo2020      Sn1899      Pb2203      Se1960      1960/2      1960/1

IS ratioed intensities
Reading      Reading      Reading      Reading      Reading      Reading      Reading
#1 0.017      0.004      -0.009      0.000      0.000      0.032      -0.101
#2 0.017      0.003     -0.010      0.000      0.000      0.030      -0.113
#3 0.017      0.003     -0.010      0.000      0.000      0.032      -0.103
Mean 0.017     0.004     -0.010     0.000     0.000     0.031     -0.106
%RSD 0.641     16.574  2.296  5.621  0.044  4.427  6.498

Final concentrations
ppm           ppm      ppm      ppm      ppm      ppm      ppm

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Printed: 10/27/2009 8:12:55 AM User: Accutest
#1 0.02785 0.00097 -0.00082 -0.00508 -0.00024 0.00255 -0.00582
#2 0.02753 0.00014 -0.00143 -0.01004 -0.00663 -0.00112 -0.01823
#3 0.02755 -0.00006 -0.00174 -0.00303 -0.00120 0.00221 -0.00801
Mean 0.02764 0.00035 -0.00133 -0.00605 -0.00275 0.00121 -0.01069
%RSD 0.64891 154.60593 35.38378 59.57398 129.13539 167.69279 61.96973
2203/2 2203/1 INT STD
IS ratioed intensities
Reading Reading Reading
#1 0.021 0.127 57067.000
#2 0.015 0.111 57116.000
#3 0.025 0.129 57083.000
Mean 0.020 0.122 57088.667
%RSD 25.090 8.283 0.044
Final concentrations
ppm ppm intensity
#1 0.00739 -0.03002 1.14
#2 0.00350 -0.03712 2.00
#3 0.00987 -0.02884 2.43
Mean 0.00692 -0.03199 1.86
%RSD 46.43753 14.00475 35.38

Method: EPA3 File: it102609ml Printed: 10/27/2009 8:12:55 AM
SampleId1: ja30201-5 SampleId2:
Analysis commenced: 10/27/2009 12:54:39 AM
Dilution ratio: 1.00000 to 1.00000
K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 1.563 0.003 0.000 0.062 0.656 0.000 0.002
#2 1.560 0.003 0.000 0.062 0.655 0.000 0.002
#3 1.559 0.002 0.000 0.061 0.650 0.000 0.001
Mean 1.560 0.003 0.000 0.061 0.653 0.000 0.002
%RSD 0.133 9.387 157.314 1.019 0.512 34.987 4.678
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 26.20008 0.00677 0.00138 0.09040 18.70061 0.00155 -0.00002
#2 26.15610 0.00704 0.00138 0.09054 18.65665 0.00155 -0.00005
#3 26.13137 0.00604 0.00030 0.08887 18.51740 0.00089 -0.00009
Mean 26.16252 0.00661 0.00094 0.08994 18.62455 0.00141 -0.00005
%RSD 0.13302 7.84892 60.74457 1.03133 0.51265 33.34377 63.27254
Cu3247 Na3302 Pd3404 As1890 Tl1908 Sb2068 Cd2265
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.005 1.707 -0.001 0.004 -0.019 0.011 0.003
#2 0.005 1.702 -0.001 0.005 -0.021 0.010 0.002
#3 0.005 1.700 -0.002 0.004 -0.021 0.009 0.002
Mean 0.005 1.703 -0.001 0.004 -0.020 0.010 0.002
%RSD 1.433 0.211 40.727 12.705 5.031 12.712 28.663
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.00399 264.04608 0.0053 0.00818 0.00285 -0.00016 0.00060
#2 0.00399 263.27501 0.00065 0.00940 0.00014 -0.00205 0.00038
#3 0.00371 262.95741 0.00261 0.00802 0.00054 -0.00692 0.00026
Mean 0.00390 263.42617 -0.00048 0.00853 0.00117 -0.00304 0.00041
%RSD 4.13888 0.21253 388.99913 8.86863 124.72055 114.51849 41.95377
Ni2316 Ba4934 Ag3280 Ca3179 Al3082 Si2881 Fe2714
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.000 0.240 -0.013 4.078 0.012 1.618 0.065
#2 -0.001 0.239 -0.012 4.075 0.012 1.616 0.065
#3 -0.001 0.239 -0.014 4.037 0.011 1.606 0.064
Mean -0.001 0.239 -0.013 4.063 0.011 1.613 0.065
%RSD 55.474 0.113 4.712 0.561 1.354 0.143 0.803
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.00374 0.17801 -0.00003 56.59524 0.00459 7.62372 3.83177
#2 0.00296 0.17769 0.00110 56.55227 0.00426 7.61088 3.81455
#3 0.00208 0.17764 -0.00090 56.02729 -0.00259 7.56279 3.77335
Mean 0.00293 0.17778 -0.00028 56.39160 0.00208 7.59913 3.80656
%RSD 28.35294 0.11227 197.19229 0.56078 194.34649 0.42268 0.78868
Mn2576 Mo2020 Sn1899 Pb2203 Se1960 1960/2 1960/1
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.274 0.005 -0.009 0.000 0.000 0.031 -0.098
#2 0.273 0.006 -0.009 0.000 0.000 0.031 -0.094
#3 0.271 0.004 -0.010 0.000 0.000 0.037 -0.096
Mean 0.273 0.005 -0.009 0.000 0.000 0.033 -0.096
%RSD 0.485 10.974 10.577 11.459 0.602 10.298 1.702
Final concentrations
ppm ppm ppm ppm ppm ppm ppm

6.1 6

Printed: 10/27/2009 8:12:55 AM User: Accutest
#1 0.45914 0.00152 0.00068 -0.00803 0.00108 0.00326 -0.00329
#2 0.45807 0.00188 0.00068 -0.01084 0.00208 0.00322 -0.00020
#3 0.45407 0.00091 -0.00293 -0.00526 0.00744 0.01183 -0.00134
Mean 0.45736 0.00144 -0.00052 -0.00804 0.00353 0.00610 -0.00161
%RSD 0.48532 34.01798 398.23640 34.68740 96.88502 81.28074 97.39047
2203/2 2203/1 INT STD
IS ratioed intensities
Reading Reading Reading
#1 0.024 0.130 55284.000
#2 0.017 0.131 55877.000
#3 0.031 0.127 55846.000
Mean 0.024 0.129 55669.000
%RSD 29.419 1.476 0.600
Final concentrations
ppm ppm intensity
#1 0.00859 -0.04128 -0.95
#2 0.00406 -0.04063 -0.96
#3 0.01313 -0.04205 4.10
Mean 0.00859 -0.04132 0.73
%RSD 52.61701 1.71662 398.24

Method: EPA3 File: it102609ml Printed: 10/27/2009 8:12:55 AM
SampleId1: ja30201-6 SampleId2:
Analysis commenced: 10/27/2009 1:00:48 AM
Dilution ratio: 1.00000 to 1.00000
K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.291 0.027 0.000 1.064 0.028 0.002 0.002
#2 0.291 0.026 0.000 1.055 0.028 0.001 0.002
#3 0.291 0.026 0.000 1.059 0.028 0.002 0.002
Mean 0.108 2.004 49.92 0.412 0.842 6.389 2.814
%RSD 0.108 2.004 49.92 0.412 0.842 6.389 2.814
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 4.98020 0.05743 0.00379 1.57491 0.79806 0.00893 -0.00002
#2 4.98987 0.05567 0.00277 1.56960 0.78832 0.00800 -0.00006
#3 4.98761 0.05551 0.00242 1.56205 0.78508 0.00817 -0.00004
Mean 4.98589 0.05620 0.00299 1.56886 0.79049 0.00837 -0.00004
%RSD 0.10143 1.89662 23.87219 0.41185 0.85458 5.94257 53.49769
Cu3247 Na3302 Pd3404 As1890 Tl1908 Sb2068 Cd2265
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.009 0.474 0.000 -0.002 -0.027 0.022 0.005
#2 0.009 0.474 0.000 -0.005 -0.028 0.021 0.004
#3 0.009 0.474 0.000 -0.004 -0.028 0.020 0.003
Mean 0.009 0.474 0.000 -0.004 -0.028 0.021 0.004
%RSD 0.118 0.070 1024.998 42.273 1.271 4.860 25.990
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.01310 71.44608 0.00642 0.00930 -0.00883 0.02610 0.00103
#2 0.01315 71.54110 0.00331 0.00484 -0.00984 0.02280 0.00065
#3 0.01312 71.45938 0.00282 0.00711 -0.00939 0.02056 0.00051
Mean 0.01312 71.48219 0.00418 0.00708 -0.00936 0.02135 0.00073
%RSD 0.18672 0.07197 46.60294 31.46679 5.40643 12.05780 36.42257
Ni2316 Ba4934 Ag3280 Ca3179 Al3082 Si2881 Fe2714
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.001 0.036 0.000 0.068 0.081 0.018 0.018
#2 0.001 0.036 -0.011 1.296 0.081 0.614 0.017
#3 0.001 0.036 -0.011 1.294 0.081 0.613 0.017
Mean 0.001 0.036 -0.010 1.298 0.081 0.615 0.018
%RSD 29.569 0.143 5.801 0.444 0.055 0.268 1.683
Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.00701 0.02668 0.00262 18.10164 1.91971 2.80363 1.04032
#2 0.00628 0.02676 0.00167 17.97938 1.91732 2.79399 1.01460
#3 0.00571 0.02674 0.00169 17.95309 1.91839 2.79933 1.00900
Mean 0.00633 0.02673 0.00199 18.01070 1.91841 2.79515 1.02131
%RSD 10.31600 0.14588 27.24859 0.44426 0.06320 0.28490 1.63533
Mn2576 Mo2020 Sn1899 Pb2203 Se1960 1960/2 1960/1
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.010 0.005 -0.010 0.000 0.000 0.036 -0.116
#2 0.010 0.004 -0.011 0.000 0.000 0.033 -0.122
#3 0.010 0.005 -0.012 0.000 0.000 0.037 -0.117
Mean 0.010 0.004 -0.011 0.000 0.000 0.035 -0.118
%RSD 1.022 22.361 10.397 0.076 0.076 5.099 2.544
Final concentrations
ppm ppm ppm ppm ppm ppm ppm



Printed: 10/27/2009 8:12:56 AM User: Accutest
#1 2.02848 2.02446 2.12013 2.22566 2.12839 2.15224 2.08067
#2 2.02343 2.02259 2.11490 2.20740 2.12501 2.14522 2.08457
#3 2.01383 2.01622 2.11018 2.22279 2.13328 2.16568 2.06846
Mean 2.02191 2.02109 2.11231 2.21862 2.12889 2.15438 2.07790
%RSD 0.36786 0.21377 0.44484 0.44255 0.19530 0.46258 0.40451

IS ratioed intensities
Reading Reading Reading
#1 3.551 4.965 57816.000
#2 3.505 4.974 57613.000
#3 3.549 4.951 57585.000
Mean 3.535 4.963 57671.333
%RSD 0.733 0.230 0.219

Final concentrations
ppm ppm intensity
#1 2.27278 2.13142 -2961.41
#2 2.24340 2.13540 -2954.11
#3 2.27152 2.12534 -2935.93
Mean 2.26257 2.13072 -2950.48
%RSD 0.73403 0.23777 0.44

Method: EPA3 File: it102609ml Printed: 10/27/2009 8:12:56 AM
SampleId1: CCB SampleId2: [FLXQC]
Analysis commenced: 10/27/2009 1:19:25 AM
Dilution ratio: 1.00000 to 1.00000

K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.068 0.001 0.000 0.002 0.001 0.000 0.002
#2 0.069 0.002 0.000 0.002 0.001 0.000 0.002
#3 0.069 0.001 0.000 0.002 0.001 0.000 0.002
Mean 0.069 0.002 0.000 0.002 0.001 0.000 0.002
%RSD 0.409 23.604 87.148 17.370 29.528 113.245 6.038

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 1.21804 0.00437 0.00041 0.00120 0.00846 -0.00085 0.00008
#2 1.22737 0.00511 0.00152 0.00212 0.01526 0.00019 0.00118
#3 1.22435 0.00417 0.00024 0.00157 0.00658 0.00015 0.00015
Mean 1.22325 0.00468 0.00075 0.00163 0.01144 -0.00044 0.00014
%RSD 0.38926 15.41901 99.83207 28.30063 59.91377 125.72525 40.09466

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.004 0.018 -0.001 -0.002 -0.024 0.008 0.003
#2 0.004 0.020 0.000 -0.001 -0.021 0.010 0.005
#3 0.004 0.018 -0.001 -0.001 -0.026 0.008 0.003
Mean 0.004 0.019 -0.001 -0.001 -0.024 0.009 0.004
%RSD 4.406 5.479 54.289 25.949 10.941 15.027 28.539

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.00152 0.78591 0.00104 -0.00045 -0.00365 -0.00737 0.00046
#2 0.00198 1.07580 0.00335 0.00043 -0.00020 -0.00223 0.00094
#3 0.00120 0.80195 0.00009 0.00037 -0.00766 -0.00923 0.00052
Mean 0.00157 0.88789 0.00049 0.00012 -0.00384 -0.00531 0.00064
%RSD 24.99740 18.35108 112.15306 418.85108 97.38583 58.15091 41.29924

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 -0.001 0.000 -0.012 0.004 0.009 0.032 0.000
#2 0.000 0.001 -0.011 0.004 0.009 0.033 0.000
#3 -0.001 0.001 -0.013 0.004 0.009 0.032 0.000
Mean -0.001 0.001 -0.012 0.004 0.009 0.032 0.000
%RSD 58.115 24.711 6.703 2.177 0.533 2.477 82.505

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.00280 0.00016 0.00028 0.03781 -0.01774 -0.03565 -0.00139
#2 0.00318 0.00037 0.00125 0.03912 -0.01526 -0.03000 0.00149
#3 0.00161 0.00024 -0.00021 0.03688 -0.01662 -0.03730 -0.00727
Mean 0.00253 0.00025 0.00043 0.03794 -0.01654 -0.03431 -0.00173
%RSD 32.53576 43.30163 168.75347 2.97776 6.71589 11.14902 312.16138

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.001 0.004 -0.011 0.000 0.000 0.033 0.000
#2 0.001 0.005 -0.009 0.000 0.000 0.036 0.000
#3 0.001 0.003 -0.011 0.000 0.000 0.035 0.000
Mean 0.001 0.004 -0.010 0.000 0.000 0.035 0.000
%RSD 6.629 28.572 11.915 0.327 0.327 4.470 5.581

Final concentrations
ppm ppm ppm ppm ppm ppm ppm

Printed: 10/27/2009 8:12:56 AM User: Accutest
#1 0.00042 0.00050 -0.00383 -0.00073 0.00270 0.00571 -0.00332
#2 0.00053 0.00095 -0.00017 0.00274 0.00715 0.01025 0.00093
#3 0.00045 -0.00085 -0.00523 -0.00254 0.00247 0.00912 -0.00912
Mean 0.00047 0.00020 -0.00308 -0.00018 0.00411 0.00808 -0.00384
%RSD 12.61486 466.15151 84.85325 1514.64364 64.15934 28.20354 131.53879

IS ratioed intensities
Reading Reading Reading
#1 0.015 0.132 57813.000
#2 0.019 0.144 57891.000
#3 0.012 0.129 57533.000
Mean 0.016 0.135 57745.667
%RSD 22.847 5.840 0.326

Final concentrations
ppm ppm intensity
#1 -0.00040 -0.00139 5.35
#2 0.00225 0.00371 0.24
#3 -0.00230 -0.00300 7.30
Mean -0.00015 -0.00023 4.30
%RSD 1509.22633 1558.72429 84.85

Method: EPA3 File: it102609ml Printed: 10/27/2009 8:12:56 AM
SampleId1: ja30201-9 SampleId2: [SAMPLE]
Analysis commenced: 10/27/2009 1:25:42 AM
Dilution ratio: 1.00000 to 1.00000

K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.071 0.003 0.000 0.002 0.001 0.000 0.002
#2 0.070 0.002 0.000 0.002 0.001 0.000 0.002
#3 0.069 0.002 0.000 0.002 0.001 0.000 0.002
Mean 0.070 0.002 0.000 0.002 0.000 0.000 0.002
%RSD 1.305 19.839 299.393 36.548 31.885 63.430 4.920

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 1.25903 0.00699 0.00226 0.00194 0.01875 0.00090 0.00005
#2 1.24948 0.00641 0.00154 0.00187 0.02002 0.00071 -0.00002
#3 1.22873 0.00521 -0.00023 0.00037 0.00489 -0.00059 0.00005
Mean 1.24575 0.00620 0.00119 0.00139 0.01455 0.00034 0.00003
%RSD 1.24377 14.64400 107.72601 63.50636 57.66886 237.79518 137.47320

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.004 0.021 0.000 -0.001 -0.019 0.011 0.003
#2 0.004 0.020 0.000 -0.002 -0.024 0.011 0.004
#3 0.004 0.018 -0.001 -0.001 -0.027 0.006 0.003
Mean 0.004 0.020 0.000 -0.003 -0.023 0.009 0.003
%RSD 7.753 8.424 201.751 75.662 17.950 27.356 19.593

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.00292 1.21506 0.00573 0.00014 0.00364 -0.00051 0.00061
#2 0.00231 1.07993 0.00397 -0.00014 -0.00359 -0.00075 0.00074
#3 0.00130 0.71243 -0.00192 -0.00464 -0.00809 -0.01294 0.00040
Mean 0.00211 1.00247 0.00259 -0.00155 -0.00268 -0.00473 0.00059
%RSD 34.72114 25.94730 154.42405 173.62469 220.48611 150.15667 29.12799

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 -0.001 0.001 -0.011 0.005 0.009 0.040 0.001
#2 -0.001 0.001 -0.011 0.005 0.009 0.040 0.001
#3 -0.002 0.001 -0.013 0.005 0.008 0.038 0.000
Mean -0.001 0.001 -0.012 0.005 0.009 0.040 0.001
%RSD 55.978 8.133 10.793 1.885 2.785 3.311 46.236

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.00231 0.00033 0.00159 0.05717 -0.01158 0.00548 0.04795
#2 0.00243 0.00034 0.00156 0.05842 -0.01536 0.00361 0.04763
#3 0.00012 0.00027 -0.00038 -0.05576 -0.02424 -0.0044 0.02800
Mean 0.00162 0.00031 0.00092 0.05712 -0.01706 0.00095 0.03613
%RSD 80.34451 13.00412 122.29497 2.32274 38.10717 663.25534 55.91966

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.001 0.005 -0.009 0.000 0.000 0.037 -0.108
#2 0.001 0.004 -0.009 0.000 0.000 0.032 -0.103
#3 0.001 0.002 -0.012 0.000 0.000 0.036 -0.100
Mean 0.001 0.004 -0.010 0.000 0.000 0.035 -0.104
%RSD 9.111 46.628 15.616 11.144 0.314 7.342 4.105

Final concentrations
ppm ppm ppm ppm ppm ppm ppm





Printed: 10/27/2009 8:12:56 AM User: Accutest
#1 0.57279 0.00015 -0.00545 -0.00518 0.00368 0.00656 -0.00207
#2 0.57636 0.00120 -0.00489 -0.00292 0.00262 0.00532 -0.00280
#3 0.57606 0.00096 -0.00404 0.00009 0.00765 0.01061 0.00173
Mean 0.57507 0.00077 -0.00479 -0.00267 0.00465 0.00750 -0.00105
%RSD 0.34402 71.52442 14.80653 98.91444 57.07172 36.88187 232.78085

IS ratioed intensities
Reading Reading Reading
#1 0.019 0.121 55993.000
#2 0.022 0.128 55966.000
#3 0.027 0.135 55993.000
Mean 0.023 0.128 55950.667
%RSD 16.686 5.482 0.692

Final concentrations
ppm ppm intensity
#1 0.00751 -0.03057 7.62
#2 0.00939 -0.02754 6.83
#3 0.01237 -0.02447 5.65
Mean 0.00976 -0.02753 6.70
%RSD 25.07205 11.08031 14.81

Method: EPA3 File: it102609ml Printed: 10/27/2009 8:12:57 AM
SampleId1: ja30201-4f SampleId2: [SAMPLE]
Analysis commenced: 10/27/2009 1:44:05 AM
Dilution ratio: 1.00000 to 1.00000

K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.268 0.007 0.000 0.002 0.321 0.000 0.002
#2 0.267 0.006 0.000 0.002 0.318 0.000 0.002
#3 0.266 0.006 0.000 0.002 0.317 0.000 0.002
Mean 0.267 0.006 0.000 0.002 0.319 0.000 0.002
%RSD 0.240 4.922 141.101 6.839 0.598 102.406 4.356

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 4.52569 0.01428 0.00232 0.00248 9.13031 0.00062 0.00000
#2 4.51634 0.01322 0.00168 0.00207 9.06476 0.00051 0.00002
#3 4.50433 0.01322 0.00136 0.00213 9.02243 0.00051 0.00006
Mean 4.51545 0.01357 0.00179 0.00222 9.07250 -0.00013 -0.00003
%RSD 0.23709 4.49276 27.25604 10.35664 0.59912 492.24031 110.48389

Cu3247 Na3302 Pd3404 As1890 Tl1908 Sb2068 Cd2265
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.004 0.155 0.000 0.001 -0.021 0.013 0.005
#2 0.004 0.153 -0.001 -0.001 -0.021 0.013 0.003
#3 0.004 0.153 -0.001 -0.003 -0.022 0.012 0.004
Mean 0.004 0.154 0.000 -0.001 -0.021 0.013 0.004
%RSD 3.176 0.938 125.838 165.613 2.634 7.324 32.713

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.00265 22.22567 0.00497 0.00322 -0.00112 0.00627 0.00127
#2 0.00219 21.87282 0.00156 0.00097 -0.00015 0.00463 0.00059
#3 0.00206 21.80664 0.00178 -0.00209 -0.00175 0.00129 0.00088
Mean 0.00230 21.96838 0.00277 0.00070 0.00107 0.00400 0.00091
%RSD 13.38253 1.02542 68.99246 381.25180 80.17397 62.47333 37.71191

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.000 0.041 -0.011 6.043 0.009 0.997 0.014
#2 0.000 0.041 -0.012 6.000 0.009 0.992 0.014
#3 0.000 0.041 -0.012 5.970 0.009 0.984 0.014
Mean 0.000 0.041 -0.012 6.004 0.009 0.991 0.014
%RSD 14.162 0.470 5.955 0.614 1.880 0.641 2.331

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.00427 0.03049 0.00172 83.90606 -0.03206 4.62292 0.87933
#2 0.00419 0.03037 0.00168 83.29722 -0.03943 4.59660 0.84819
#3 0.00423 0.03021 0.00052 82.88920 -0.03999 4.56183 0.84569
Mean 0.00423 0.03036 0.00104 83.36416 -0.03716 4.59385 0.85774
%RSD 0.95369 0.47213 59.67111 0.61385 -11.91162 0.66721 2.18502

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.025 0.004 -0.010 0.000 0.000 0.039 -0.114
#2 0.025 0.003 -0.010 0.000 0.000 0.039 -0.100
#3 0.024 0.003 -0.011 0.000 0.000 0.036 -0.108
Mean 0.025 0.003 -0.010 0.000 0.000 0.038 -0.107
%RSD 0.712 21.056 4.820 0.142 0.142 5.918 6.402

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.00427 0.03049 0.00172 83.90606 -0.03206 4.62292 0.87933
#2 0.00419 0.03037 0.00168 83.29722 -0.03943 4.59660 0.84819
#3 0.00423 0.03021 0.00052 82.88920 -0.03999 4.56183 0.84569
Mean 0.00423 0.03036 0.00104 83.36416 -0.03716 4.59385 0.85774
%RSD 0.95369 0.47213 59.67111 0.61385 -11.91162 0.66721 2.18502

Printed: 10/27/2009 8:12:57 AM User: Accutest
#1 0.04116 0.00051 -0.00125 -0.00432 0.00289 0.01342 -0.01816
#2 0.04100 -0.00037 -0.00200 0.00159 0.00750 0.01377 -0.00503
#3 0.04059 -0.00060 -0.00328 -0.00484 0.00101 0.00794 -0.01266
Mean 0.04092 -0.00015 -0.00218 -0.00252 0.00380 0.01168 -0.01195
%RSD 0.71833 377.17062 47.21522 141.73644 87.95373 28.47545 55.15849

IS ratioed intensities
Reading Reading Reading
#1 0.034 0.094 58544.000
#2 0.039 0.119 58684.000
#3 0.028 0.107 58536.000
Mean 0.034 0.107 58588.000
%RSD 16.151 11.522 0.142

Final concentrations
ppm ppm intensity
#1 0.01624 -0.04545 1.75
#2 0.01955 -0.03431 2.79
#3 0.01249 -0.03949 4.59
Mean 0.01609 -0.03975 3.04
%RSD 21.96219 14.01795 47.22

Method: EPA3 File: it102609ml Printed: 10/27/2009 8:12:57 AM
SampleId1: ja30201-5f SampleId2: [SAMPLE]
Analysis commenced: 10/27/2009 1:05:12 AM
Dilution ratio: 1.00000 to 1.00000

K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.631 0.001 0.000 0.002 0.643 0.001 0.001
#2 1.617 0.001 0.000 0.002 0.633 0.000 0.001
#3 1.615 0.001 0.000 0.003 0.639 0.000 0.002
Mean 1.621 0.001 0.000 0.002 0.638 0.000 0.001
%RSD 0.550 27.014 144.948 16.054 0.783 34.713 4.413

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 27.32307 0.00387 0.00072 0.00253 18.31488 0.00047 -0.00009
#2 27.09023 0.00272 -0.00052 0.00188 18.03278 -0.00034 -0.00010
#3 27.04601 0.00389 0.00156 0.00303 18.20960 0.00047 -0.00004
Mean 27.15310 0.00349 0.00059 0.00248 18.18575 0.00020 -0.00008
%RSD 0.54817 19.16615 178.04685 23.32078 0.78386 233.23429 40.63530

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.004 1.704 -0.001 0.001 -0.021 0.014 0.001
#2 0.004 1.686 -0.002 -0.001 -0.024 0.011 0.001
#3 0.004 1.690 -0.001 0.002 -0.020 0.015 0.002
Mean 0.004 1.693 -0.001 0.000 -0.022 0.013 0.002
%RSD 5.006 0.567 42.051 258.082 10.199 16.262 47.552

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.00181 263.53708 0.00029 0.00395 0.00206 0.00786 0.00029
#2 0.00120 260.67983 -0.00285 0.00113 -0.00277 -0.00074 0.00012
#3 0.00209 261.33797 0.00079 0.00429 0.00321 0.01052 0.00052
Mean 0.00170 261.85163 -0.00059 0.00279 0.00084 0.00588 0.00031
%RSD 26.70526 0.57142 334.26985 56.95567 379.35111 100.11380 64.33958

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.000 0.215 0.000 0.002 0.009 0.002 0.002
#2 -0.001 0.213 -0.014 3.865 0.009 1.495 0.001
#3 0.000 0.213 -0.012 3.910 0.009 1.500 0.002
Mean -0.001 0.214 -0.013 3.903 0.009 1.502 0.002
%RSD 77.258 0.495 7.483 0.894 1.461 0.569 15.592

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.00347 0.15963 -0.00019 54.59224 -0.06426 7.10901 0.23153
#2 0.00201 0.15843 -0.00111 53.64046 -0.06818 7.02885 0.20664
#3 0.00396 0.15815 0.00062 54.27394 -0.06134 7.05241 0.23578
Mean 0.00311 0.15873 -0.00023 54.16955 -0.06459 7.06342 0.22465
%RSD 31.31709 0.49592 380.92570 0.89425 5.31916 0.58330 7.00819

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.254 0.007 -0.008 0.000 0.000 0.029 -0.086
#2 0.250 0.005 -0.009 0.000 0.000 0.032 -0.094
#3 0.253 0.006 -0.009 0.000 0.000 0.031 -0.104
Mean 0.252 0.007 -0.009 0.000 0.000 0.031 -0.095
%RSD 0.747 23.318 10.419 0.303 0.303 4.302 9.405

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.00347 0.15963 -0.00019 54.59224 -0.06426 7.10901 0.23153
#2 0.00201 0.15843 -0.00111 53.64046 -0.06818 7.02885 0.20664
#3 0.00396 0.15815 0.00062 54.27394 -0.06134 7.05241 0.23578
Mean 0.00311 0.15873 -0.00023 54.16955 -0.06459 7.06342 0.22465
%RSD 31.31709 0.49592 380.92570 0.89425 5.31916 0.58330 7.00819



Printed: 10/27/2009 8:12:57 AM User: Accutest
#1 0.36521 -0.00236 -0.00754 -0.01502 0.00165 0.00984 -0.01474
#2 0.36883 -0.00119 -0.00466 -0.01505 0.00207 0.00993 -0.01366
#3 0.36855 -0.00115 -0.00215 -0.02006 -0.00236 0.00691 -0.02090
Mean 0.36753 -0.00157 -0.00478 -0.01671 0.00045 0.00889 -0.01643
%RSD 0.54775 43.91116 56.30967 17.34123 543.12516 19.34545 23.79467

IS ratioed intensities
Reading Reading Reading
#1 0.026 0.113 55700.000
#2 0.023 0.123 55491.000
#3 0.020 0.097 55937.000
Mean 0.023 0.111 55709.333
%RSD 13.618 11.395 0.401

Final concentrations
ppm ppm intensity
#1 0.01181 -0.06867 10.53
#2 0.00982 -0.06479 6.50
#3 0.00788 -0.07594 3.01
Mean 0.00983 -0.06980 6.68
%RSD 19.93837 8.10302 56.31

Method: EPA3 File: it102609ml
SampleId1: ja30201-fbconf SampleId2:
Analysis commenced: 10/27/2009 2:08:35 AM
Dilution ratio: 1.00000 to 1.00000
K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.068 0.000 0.000 0.001 0.001 0.000 0.001
#2 0.069 0.000 0.000 0.001 0.001 0.000 0.001
#3 0.071 0.000 0.000 0.001 0.001 0.000 0.001
Mean 0.069 0.000 0.000 0.001 0.001 0.000 0.002
%RSD 1.983 17.132 59.255 15.369 4.823 32.712 5.922

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 1.21316 0.00201 0.00191 0.00057 0.01625 -0.00037 -0.00009
#2 1.23888 0.00204 0.00196 0.00094 0.01521 0.00014 -0.00007
#3 1.25939 0.00215 0.00294 0.00115 0.01400 0.00016 -0.00000
Mean 1.23615 0.00207 0.00254 0.00089 0.01551 -0.00003 -0.00005
%RSD 1.86982 3.70621 21.62385 33.12610 8.46119 1184.95996 84.22708

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.003 0.020 0.000 -0.001 -0.021 0.008 0.003
#2 0.004 0.021 0.000 0.000 -0.020 0.008 0.004
#3 0.004 0.021 0.000 0.001 -0.019 0.009 0.005
Mean 0.004 0.021 0.000 0.000 -0.020 0.008 0.004
%RSD 3.618 3.700 320.744 510.782 6.690 9.809 21.301

Printed: 10/27/2009 8:12:57 AM User: Accutest
#1 0.00022 -0.00038 0.00064 -0.00327 0.00239 -0.00018 0.00754
#2 0.00024 0.00034 0.00125 -0.00487 0.00033 0.00315 -0.00531
#3 0.00033 0.00116 0.00196 -0.00661 -0.00292 0.00231 -0.01338
Mean 0.00026 0.00037 0.00128 -0.00492 -0.00006 0.00176 -0.00372
%RSD 22.58935 206.87522 51.62373 33.89818 4179.43221 98.25240 283.71691

IS ratioed intensities
Reading Reading Reading
#1 0.016 0.114 62102.000
#2 0.020 0.091 61006.000
#3 0.017 0.089 59800.000
Mean 0.017 0.098 60969.333
%RSD 12.804 14.322 1.889

Final concentrations
ppm ppm intensity
#1 -0.00018 -0.00945 -0.89
#2 0.00256 -0.01974 -1.74
#3 0.00051 -0.02085 -2.73
Mean -0.00096 -0.01668 -1.79
%RSD 148.27035 37.66331 51.62

Method: EPA3 File: it102609ml
SampleId1: CCV SampleId2:
Analysis commenced: 10/27/2009 2:14:44 AM
Dilution ratio: 1.00000 to 1.00000
K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 2.403 0.981 0.428 1.356 1.428 0.292 1.292
#2 2.295 1.086 0.455 1.417 1.531 0.428 4.487
#3 2.287 1.087 0.454 1.416 1.530 0.428 4.489
Mean 2.328 1.051 0.446 1.396 1.497 0.422 4.423
%RSD 2.790 5.781 3.389 2.512 3.978 2.504 2.563

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 40.32709 1.97249 2.00165 2.00831 40.71933 2.06861 2.05542
#2 38.53108 2.18359 2.12582 2.09873 43.67543 2.16091 2.14906
#3 38.39129 2.18481 2.12169 2.09800 43.64894 2.16158 2.14994
Mean 39.08315 2.11363 2.08305 2.06835 42.67990 2.13037 2.11814
%RSD 2.76218 5.78318 3.38586 2.51385 3.97838 2.51053 2.56433

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.870 0.253 0.433 1.415 1.358 0.779 7.903
#2 0.845 0.268 0.434 1.480 1.422 0.806 8.518
#3 0.842 0.268 0.434 1.482 1.417 0.807 8.515
Mean 0.853 0.263 0.434 1.459 1.399 0.797 8.312
%RSD 1.761 3.227 0.168 2.631 2.544 1.955 4.260

Printed: 10/27/2009 8:12:57 AM User: Accutest
#1 1.96756 1.95571 2.01935 2.10963 2.10010 2.14330 2.01372
#2 2.02956 2.04493 2.16986 2.32473 2.22966 2.26431 2.16097
#3 2.02751 2.04348 2.16781 2.32134 2.22313 2.25751 2.15435
Mean 2.00821 2.01471 2.11901 2.25190 2.18437 2.22171 2.10968
%RSD 1.75391 2.53632 4.07326 5.47187 3.34423 3.06034 3.94231

IS ratioed intensities
Reading Reading Reading
#1 3.389 4.650 52829.000
#2 3.706 5.185 57576.000
#3 3.702 5.173 57856.000
Mean 3.599 5.003 56087.000
%RSD 5.055 6.113 5.037

Final concentrations
ppm ppm intensity
#1 2.16910 1.99058 -2820.64
#2 2.37241 2.22937 -3030.88
#3 2.36991 2.22420 -3028.02
Mean 2.30361 2.14608 -2959.84
%RSD 5.06391 6.34710 4.07

Printed: 10/27/2009 8:12:58 AM User: Accutest
#1 0.00014 0.00014 -0.00406 -0.00156 0.00133 0.00451 -0.00502
#2 -0.00034 -0.00330 -0.01138 -0.02036 -0.01718 -0.00714 -0.03728
#3 -0.00031 -0.00379 -0.01157 -0.02767 -0.02422 -0.01387 -0.04491
Mean -0.00017 -0.00232 -0.00900 -0.01653 -0.01336 -0.00550 -0.02907
%RSD 157.32178 92.34129 47.60055 81.51040 98.80153 169.05344 72.83036

IS ratioed intensities
Reading Reading Reading
#1 0.019 0.116 59834.000
#2 0.002 0.037 57319.000
#3 -0.012 0.028 57726.000
Mean 0.003 0.060 58293.000
%RSD 471.008 79.672 2.316

Final concentrations
ppm ppm intensity
#1 0.00208 -0.00882 5.67
#2 -0.00866 -0.04371 15.90
#3 -0.01762 -0.04777 16.17
Mean -0.00807 -0.03344 12.58
%RSD 122.15784 64.04083 47.60

Method: EPA3 File: it102609ml Printed: 10/27/2009 8:12:58 AM
SampleId1: CCB SampleId2: [PLKQC]
Analysis commenced: 10/27/2009 2:21:04 AM
Dilution ratio: 1.00000 to 1.00000

K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.070 0.001 -0.001 0.001 0.000 0.000 0.002
#2 0.070 0.000 -0.002 -0.002 -0.001 -0.001 0.001
#3 0.069 0.000 -0.002 -0.002 -0.001 -0.001 0.001
Mean 0.070 0.000 -0.001 -0.001 -0.001 -0.001 0.001
%RSD 1.083 431.471 48.296 147.250 119.427 67.250 13.154

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 1.24937 0.00380 -0.00103 -0.00014 -0.00461 -0.00169 -0.00002
#2 1.23625 0.00127 -0.00503 -0.00325 -0.04213 -0.05611 -0.00117
#3 1.22346 0.00089 -0.00606 -0.00354 -0.04587 -0.00574 -0.00017
Mean 1.23636 0.00199 -0.00437 -0.00231 -0.03087 -0.00432 -0.00012
%RSD 1.04776 79.67710 66.18950 81.76843 73.90694 52.70824 68.90246

Cu3247 Na3302 Pd3404 As1890 Tl1908 Sb2068 Cd2265
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.004 0.018 -0.002 -0.005 -0.021 0.007 0.001
#2 0.002 0.012 -0.005 -0.011 -0.032 0.003 0.004
#3 0.002 0.013 -0.005 -0.010 -0.030 0.003 -0.004
Mean 0.003 0.014 -0.004 -0.009 -0.028 0.004 0.002
%RSD 33.303 21.423 47.746 38.651 20.797 51.366 124.947

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.00084 0.71483 -0.00331 -0.00461 0.00008 -0.01211 -0.00001
#2 -0.00249 -0.14038 -0.01018 -0.01275 -0.01503 -0.02255 -0.00128
#3 -0.00265 -0.09461 -0.01755 -0.01243 -0.01319 -0.02247 -0.00146
Mean -0.00143 0.15995 -0.00983 -0.00993 -0.01014 -0.01092 -0.00042
%RSD 137.28468 300.78471 64.59087 46.45233 87.90487 31.51258 85.89255

Ni2316 Ba4934 Ag3280 Ca3179 Al3082 Si2881 Fe2714
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 -0.001 0.000 -0.014 0.003 0.008 0.030 0.000
#2 -0.003 0.000 -0.020 0.003 0.007 0.026 -0.001
#3 -0.003 0.000 -0.020 0.003 0.007 0.026 -0.001
Mean -0.003 0.000 -0.018 0.003 0.007 0.026 -0.001
%RSD 37.803 205.041 17.327 8.379 3.849 7.779 90.158

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.00066 -0.00002 -0.00157 0.03143 -0.03550 -0.04711 -0.00641
#2 -0.00349 -0.00048 -0.00650 0.02544 -0.04213 -0.05611 -0.00117
#3 -0.00234 -0.00046 -0.00636 0.02540 -0.04919 -0.06344 -0.00765
Mean -0.00172 -0.00032 -0.00481 0.02742 -0.04462 -0.05885 -0.05439
%RSD 124.37212 81.86804 58.29079 12.64412 17.70125 17.30816 76.41024

Mn2576 Mo2020 Sn1899 Pb2203 Se1960 1960/2 1960/1
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.000 0.004 -0.011 0.000 0.000 0.034 0.000
#2 0.000 0.000 -0.014 0.000 0.000 0.034 0.000
#3 0.000 -0.001 -0.014 0.000 0.000 0.020 -0.136
Mean 0.000 0.001 -0.013 0.000 0.000 0.025 -0.120
%RSD 104.038 285.390 15.402 8.444 2.288 24.792 18.315

Final concentrations
ppm ppm ppm ppm ppm ppm ppm

Method: EPA3 File: it102609ml Printed: 10/27/2009 8:12:58 AM
SampleId1: ja30201-8 SampleId2: [SAMPLE]
Analysis commenced: 10/27/2009 2:27:22 AM
Dilution ratio: 1.00000 to 10.00000

K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.144 -0.013 0.000 22.547 0.001 0.005 0.001
#2 0.144 -0.013 -0.001 22.577 0.001 -0.005 0.002
#3 0.143 -0.014 -0.001 22.446 0.001 -0.005 0.001
Mean 0.144 -0.013 -0.001 22.524 0.001 0.001 0.001
%RSD 0.314 2.879 22.937 0.304 22.193 1.956 5.996

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 30.43590 0.14408 0.00765 334.09620 0.27392 0.03934 -0.00797
#2 30.44299 0.15236 0.00046 334.54033 0.24491 0.03613 -0.00756
#3 30.28036 0.13478 -0.00443 332.60377 0.15199 0.02818 -0.00833
Mean 30.38642 0.14374 0.00123 333.74677 0.22361 0.03455 -0.00795
%RSD 0.30249 6.11875 495.50884 0.30396 28.48642 16.62802 4.82714

Cu3247 Na3302 Pd3404 As1890 Tl1908 Sb2068 Cd2265
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.004 0.402 0.000 -0.161 -0.019 0.039 0.000
#2 0.004 0.403 -0.001 -0.163 -0.021 0.038 0.001
#3 0.004 0.401 -0.001 -0.164 -0.023 0.037 0.000
Mean 0.004 0.402 -0.001 -0.163 -0.021 0.038 0.000
%RSD 2.488 0.265 53.082 0.947 8.765 2.239 283.753

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.00677 537.44816 0.01954 -0.03485 0.09690 -0.06694 -0.01223
#2 0.00484 539.95325 0.00733 -0.05809 0.06702 -0.09823 -0.01057
#3 0.00224 537.25619 -0.01398 -0.08757 0.04440 -0.12805 -0.01331
Mean 0.00462 538.21920 0.00429 -0.06017 0.06944 -0.10441 -0.01203
%RSD 49.26977 0.27959 395.06702 43.91014 37.92914 20.34538 11.46098

Ni2316 Ba4934 Ag3280 Ca3179 Al3082 Si2881 Fe2714
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 -0.001 0.001 0.001 0.246 0.014 0.473 0.001
#2 -0.001 0.001 -0.012 0.247 0.014 0.473 0.001
#3 -0.001 0.001 -0.013 0.244 0.013 0.473 0.001
Mean -0.001 0.001 -0.012 0.245 0.013 0.473 0.001
%RSD 19.387 9.160 4.879 0.497 0.497 0.080 22.024

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.03714 0.00043 0.00144 33.81985 1.02823 24.67716 -0.80559
#2 0.04052 0.00069 0.00213 33.92576 1.02650 24.64933 -0.82693
#3 0.03477 -0.00066 -0.00164 33.59546 0.99597 24.63977 -1.02817
Mean 0.03748 0.00015 -0.00136 33.78036 1.01687 24.65282 -0.88690
%RSD 7.71625 492.14740 402.12238 0.49928 1.79006 0.09247 13.84717

Mn2576 Mo2020 Sn1899 Pb2203 Se1960 1960/2 1960/1
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.001 0.006 -0.010 0.000 0.000 0.036 -0.107
#2 0.001 0.005 -0.012 0.000 0.000 0.029 -0.108
#3 0.001 0.004 -0.013 0.000 0.000 0.030 -0.112
Mean 0.001 0.005 -0.012 0.000 0.000 0.031 -0.109
%RSD 4.345 16.883 11.052 21.698 7.584 11.918 2.568

Final concentrations
ppm ppm ppm ppm ppm ppm ppm

Zoom In Zoom Out

Printed: 10/27/2009 8:12:58 AM User: Accutest
#1 -0.00189 0.02675 0.05188 -0.02451 0.05362 0.07808 0.00471
#2 -0.00218 0.01920 0.01740 -0.07622 -0.01861 -0.02368 -0.00848
#3 -0.00270 0.01218 -0.00282 -0.08836 -0.02207 -0.00910 -0.04802
Mean -0.00226 0.01938 0.02216 -0.06303 0.00431 0.01510 -0.01726
%RSD 18.22411 37.61260 124.83992 53.78903 991.13901 364.42086 158.95654

IS ratioed intensities
Reading Reading Reading
#1 0.028 0.109 58471.000
#2 0.019 0.100 58432.000
#3 0.020 0.090 58397.000
Mean 0.023 0.100 58433.333
%RSD 22.174 9.732 0.063

Final concentrations
ppm ppm intensity
#1 0.02677 -0.12107 -72.47
#2 -0.03177 -0.16513 -24.31
#3 -0.02571 -0.21365 3.94
Mean -0.01024 -0.16662 -30.95
%RSD 314.43290 25.73548 124.84

Zoom In Zoom Out

Method: EPA3 File: it102609ml Printed: 10/27/2009 8:12:58 AM
SampleId1: ja30201-8f SampleId2: [FLXQC]
Analysis commenced: 10/27/2009 2:33:29 AM
Dilution ratio: 1.00000 to 1.00000

K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.151 0.402 0.000 23.800 0.003 -0.005 0.001
#2 0.151 0.401 0.000 23.788 0.003 -0.005 0.001
#3 0.151 0.404 0.000 23.818 0.003 -0.005 0.001
Mean 0.151 0.402 0.000 23.802 0.003 -0.005 0.001
%RSD 0.241 0.431 178.312 0.063 6.083 2.239 2.186

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 31.79837 8.50951 0.02276 352.65763 0.76939 0.05472 -0.00845
#2 31.69111 8.49136 0.02275 352.48308 0.76809 0.05476 -0.00841
#3 31.69843 8.55960 0.02918 352.92371 0.85946 0.06482 -0.00820
Mean 31.72930 8.52036 0.02650 352.68814 0.79898 0.05810 -0.00835
%RSD 0.18886 0.41192 12.59372 0.06291 6.55586 10.02054 1.64569

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.006 0.424 -0.001 -0.176 -0.018 0.040 0.001
#2 0.005 0.423 -0.001 -0.173 -0.017 0.040 0.001
#3 0.006 0.421 -0.001 -0.171 -0.015 0.042 0.002
Mean 0.006 0.422 -0.001 -0.173 -0.017 0.041 0.002
%RSD 3.418 0.378 28.906 1.294 8.059 2.821 27.079

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.03705 567.16256 -0.01319 -0.11063 0.12124 -0.08448 -0.01028
#2 0.03494 566.31997 -0.01357 -0.07934 0.13111 -0.08475 -0.01035
#3 0.04338 562.43459 0.00763 -0.04608 0.15855 -0.03028 -0.00845
Mean 0.03845 565.30571 -0.00538 -0.07868 -0.13698 -0.06659 -0.00869
%RSD 11.42372 0.44611 190.22410 41.02707 14.11324 47.16630 11.15446

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.073 0.001 -0.012 0.257 0.236 0.488 0.020
#2 0.073 0.001 -0.012 0.257 0.236 0.487 0.020
#3 0.074 0.002 -0.011 0.258 0.235 0.488 0.021
Mean 0.073 0.001 -0.012 0.257 0.236 0.488 0.020
%RSD 0.871 4.909 5.296 0.172 0.233 0.099 1.201

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 1.65744 0.00163 -0.00048 35.33711 61.64147 25.59025 9.67604
#2 1.67191 0.00143 0.00126 35.26425 61.57291 25.54275 9.76472
#3 1.68564 0.00243 0.01055 35.38510 61.35810 25.57880 9.94465
Mean 1.67163 0.00183 0.00444 35.32882 61.52416 25.57060 9.79514
%RSD 0.84348 28.70625 126.24516 0.17224 0.24030 0.09694 1.39727

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.012 0.036 -0.011 0.000 0.000 0.035 -0.100
#2 0.012 0.035 -0.011 0.000 0.000 0.035 -0.112
#3 0.012 0.036 -0.009 0.000 0.000 0.036 -0.098
Mean 0.012 0.035 -0.010 0.000 0.000 0.034 -0.104
%RSD 0.106 2.533 9.153 0.459 0.459 6.276 7.062

Final concentrations
ppm ppm ppm ppm ppm ppm ppm

Zoom In Zoom Out

Printed: 10/27/2009 8:12:58 AM User: Accutest
#1 0.19392 0.28433 0.04269 -0.03308 0.07574 0.07437 0.07850
#2 0.19354 0.28630 0.05087 -0.07669 0.00723 0.02734 -0.03300
#3 0.19390 0.29806 0.08108 -0.04608 0.09066 0.08706 0.09786
Mean 0.19378 0.28983 0.05822 -0.05195 0.05788 0.06292 0.04778
%RSD 0.11083 2.71899 34.73230 43.09726 76.87843 50.00098 147.81452

IS ratioed intensities
Reading Reading Reading
#1 0.021 0.123 58389.000
#2 0.018 0.101 58824.000
#3 0.017 0.125 58860.000
Mean 0.019 0.117 58697.667
%RSD 10.187 11.319 0.458

Final concentrations
ppm ppm intensity
#1 -0.01926 -0.06072 -59.64
#2 -0.03594 -0.15817 -71.06
#3 -0.04289 -0.05245 -113.26
Mean -0.03270 -0.09045 -81.32
%RSD 37.13701 65.00706 34.73

Zoom In Zoom Out

Method: EPA3 File: it102609ml Printed: 10/27/2009 8:12:58 AM
SampleId1: CCV SampleId2: [FLXQC]
Analysis commenced: 10/27/2009 2:39:38 AM
Dilution ratio: 1.00000 to 1.00000

K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 2.343 1.047 0.445 1.398 1.484 0.416 4.427
#2 2.350 1.040 0.445 1.394 1.481 0.415 4.414
#3 2.349 1.041 0.444 1.394 1.482 0.413 4.413
Mean 2.333 0.552 0.292 0.210 0.147 0.189 0.349
%RSD 0.233 0.552 0.292 0.210 0.147 0.189 0.349

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 39.49527 2.08212 2.06851 2.06207 42.20762 2.09191 2.10560
#2 39.31959 2.10513 2.08038 2.07042 42.32821 2.09930 2.12031
#3 39.44889 2.09195 2.07650 2.06413 42.24147 2.09314 2.11397
Mean 39.42125 2.09303 2.07513 2.06554 42.25910 2.09478 2.11329
%RSD 0.23095 0.55187 0.29159 0.21057 0.14719 0.18890 0.34907

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.859 0.273 0.435 1.458 1.370 0.786 8.216
#2 0.858 0.274 0.435 1.461 1.375 0.791 8.256
#3 0.859 0.274 0.435 1.454 1.375 0.788 8.246
Mean 0.859 0.274 0.435 1.457 1.373 0.788 8.239
%RSD 0.070 0.261 0.125 0.260 0.218 0.260 0.257

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 1.96616 41.49796 1.94091 2.05654 1.99983 2.14835 2.16785
#2 1.96360 41.71916 1.94526 2.06147 2.00756 2.15969 2.17859
#3 1.96580 41.64399 1.94122 2.05084 2.00700 2.15352 2.17586
Mean 1.96519 41.62037 1.94246 2.05628 2.00480 2.15385 2.17410
%RSD 0.07040 0.27024 0.12511 0.25872 0.21502 0.26349 0.25660

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.948 2.621 0.271 3.063 1.493 1.866 7.734
#2 0.951 2.608 0.271 3.079 1.489 1.889 7.737
#3 0.952 2.618 0.271 3.070 1.492 1.886 7.736
Mean 0.950 2.615 0.271 3.071 1.491 1.887 7.736
%RSD 0.210 0.264 0.163 0.254 0.154 0.154 0.178

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 2.09916 1.95062 0.25598 42.35240 40.01894 5.50703 41.27922
#2 2.10560 1.94089 0.25677 42.56812 39.89847 5.52202 41.42559
#3 2.10762 1.94460 0.25647 42.45481 39.97897 5.50661 41.36543
Mean 2.10413 1.94670 0.25641 42.45945 39.96546 5.51189 41.36575
%RSD 0.20998 0.26379 0.15584 0.25415 0.15353 0.15923 0.17789

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 1.194 2.246 0.970 0.000 0.000 1.469 2.066
#2 1.198 2.258 0.975 0.000 0.000 1.467 2.059
#3 1.196 2.258 0.972 0.000 0.000 1.472 2.046
Mean 1.196 2.254 0.972 0.000 0.000 1.469 2.057
%RSD 0.160 0.299 0.221 14.955 0.229 0.182 0.491

Final concentrations
ppm ppm ppm ppm ppm ppm ppm

Printed: 10/27/2009 8:12:58 AM User: Accutest
#1 2.00296 1.99517 2.07808 2.18471 2.13052 2.15336 2.08485
#2 2.00936 2.00585 2.08716 2.17237 2.12553 2.14946 2.07767
#3 2.00584 2.00524 2.08191 2.18354 2.12671 2.15727 2.06559
Mean 2.00605 2.00209 2.08239 2.18021 2.12759 2.15336 2.07604
%RSD 0.15982 0.29957 0.21894 0.31239 0.12259 0.18137 0.46885

IS ratioed intensities
Reading Reading Reading
#1 3.486 4.874 55255.000
#2 3.458 4.873 55508.000
#3 3.490 4.857 55387.000
Mean 3.478 4.868 55383.333
%RSD 0.501 0.197 0.228

Final concentrations
ppm ppm intensity
#1 2.23170 2.09074 -2902.68
#2 2.21343 2.09026 -2915.36
#3 2.23372 2.08318 -2908.03
Mean 2.22628 2.08806 -2908.69
%RSD 0.50206 0.20287 0.22

Printed: 10/27/2009 8:12:58 AM User: Accutest
#1 0.00039 -0.00067 -0.00607 0.00095 0.00261 0.00828 -0.00873
#2 0.00047 -0.00067 -0.00270 -0.00552 -0.00354 0.00004 -0.01070
#3 0.00045 -0.00044 -0.00193 -0.01372 -0.01116 0.00165 -0.03677
Mean 0.00045 -0.00044 -0.00357 -0.00610 -0.00403 0.00332 -0.01873
%RSD 10.61188 90.05244 61.76878 120.58929 171.09307 131.54441 83.54494

IS ratioed intensities
Reading Reading Reading
#1 0.026 0.112 59740.000
#2 0.017 0.095 59866.000
#3 0.018 0.038 59918.000
Mean 0.020 0.082 59841.333
%RSD 25.462 47.274 0.153

Final concentrations
ppm ppm intensity
#1 0.00658 -0.01031 8.49
#2 0.00066 -0.01388 3.76
#3 0.00109 -0.04333 2.70
Mean 0.00278 -0.02384 4.98
%RSD 118.77357 72.56339 61.77

Method: EPA3 File: it102609ml
SampleId: PCB SampleId2:
Analysis commenced: 10/27/2009 2:45:58 AM
Dilution ratio: 1.00000 to 1.00000

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.071 0.002 0.000 0.003 0.001 0.000 0.002
#2 0.072 0.002 0.000 0.003 0.001 0.000 0.002
#3 0.071 0.002 0.000 0.003 0.001 0.000 0.002
Mean 0.071 0.002 0.000 0.003 0.001 0.000 0.002
%RSD 0.339 12.904 48.662 8.388 13.168 177.170 2.634

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 1.26562 0.00486 0.0060 0.00344 0.00542 -0.00161 0.00006
#2 1.27389 0.00572 0.00115 0.00410 0.0015 0.00102 0.00007
#3 1.26984 0.00568 0.00115 0.00340 0.00633 -0.00085 0.00003
Mean 1.26979 0.00542 0.00096 0.00364 0.00730 -0.00116 0.00005
%RSD 0.32579 9.02690 32.75634 10.75229 34.39502 34.43363 41.17656

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.004 0.018 -0.001 -0.003 -0.029 0.008 0.003
#2 0.004 0.019 0.000 -0.003 -0.026 0.008 0.004
#3 0.004 0.019 0.000 -0.003 -0.026 0.008 0.004
Mean 0.004 0.019 0.000 -0.003 -0.027 0.008 0.003
%RSD 3.043 3.343 52.015 4.885 5.512 3.288 13.686

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.00143 0.72613 0.00138 0.001078 -0.00943 0.00050
#2 0.00168 0.91841 0.00302 -0.00182 -0.00767 -0.00800 0.00074
#3 0.00198 0.85110 0.00332 -0.00222 -0.00670 -0.00848 0.00067
Mean 0.00169 0.83188 -0.00202 -0.00157 -0.00836 -0.00864 0.00064
%RSD 16.24234 11.72867 40.63725 9.87872 25.43317 8.42393 19.84807

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 -0.001 0.001 -0.013 0.003 0.008 0.031 0.000
#2 0.000 0.001 -0.011 0.004 0.008 0.032 0.000
#3 0.000 0.001 -0.012 0.003 0.008 0.032 0.000
Mean 0.000 0.001 -0.012 0.003 0.008 0.032 0.000
%RSD 33.133 10.025 4.681 1.833 1.197 1.659 240.948

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.00262 0.00019 0.00010 0.03169 -0.02837 -0.03993 -0.03302
#2 0.00291 0.00028 0.00110 0.03410 -0.01242 -0.03563 -0.03055
#3 0.00328 0.00024 0.00067 0.03267 -0.02407 -0.03555 0.00022
Mean 0.00294 0.00024 0.00062 0.03259 -0.02529 -0.03704 -0.00545
%RSD 11.36881 18.02433 80.85451 2.65215 10.65254 6.76309 125.07587

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.000 0.003 -0.012 0.000 0.000 0.035 -0.099
#2 0.001 0.003 -0.010 0.000 0.000 0.029 -0.101
#3 0.001 0.003 -0.010 0.000 0.000 0.030 -0.128
Mean 0.001 0.003 -0.011 0.000 0.000 0.031 -0.109
%RSD 5.446 15.130 9.843 0.153 0.153 9.473 14.877

Method: EPA3 File: it102609ml
SampleId: IC3A SampleId2:
Analysis commenced: 10/27/2009 2:52:16 AM
Dilution ratio: 1.00000 to 1.00000

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.076 0.000 -0.001 0.006 0.007 19.578 0.002
#2 0.076 0.000 -0.001 0.006 0.007 19.633 -0.012 0.002
#3 0.076 0.000 -0.001 0.006 0.006 19.647 0.002
Mean 0.279 140.722 16.057 6.565 0.390 0.500 3.962
%RSD 0.279 140.722 16.057 6.565 0.390 0.500 3.962

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 -0.03188 -0.00027 -0.00071 0.00718 558.17111 0.00908 0.00006
#2 -0.03227 0.00045 -0.00026 0.00775 562.48528 0.00985 0.00014
#3 -0.03427 -0.00008 -0.00116 0.00651 559.72797 0.00900 0.00006
Mean -0.03281 0.00003 -0.00071 0.00715 560.12812 0.00928 0.00009
%RSD 3.90942 1166.53893 63.60401 8.69346 0.39004 5.43311 49.96382

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.005 0.018 -0.001 -0.003 0.056 0.012 0.037
#2 0.005 0.020 0.000 -0.002 0.056 0.013 0.038
#3 0.005 0.018 -0.001 -0.005 0.054 0.013 0.037
Mean 0.005 0.019 -0.001 -0.003 0.055 0.013 0.038
%RSD 0.990 5.944 57.568 41.427 2.608 2.245 1.615

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.00027 -0.19966 0.00008 0.00158 0.00472 0.00011 0.00385
#2 0.00019 0.07381 0.00186 0.00257 0.00413 0.00157 0.00411
#3 0.00005 -0.24117 -0.00180 -0.00121 0.00101 0.00130 0.00391
Mean 0.00017 -0.12234 0.00005 0.00098 0.00329 0.00099 0.00396
%RSD 63.71387 139.88893 3776.76221 199.58654 60.54693 78.00791 3.50578

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.000 0.018 -0.011 29.236 18.048 0.037 3.672
#2 0.000 0.018 -0.011 29.059 18.037 0.035 3.652
#3 0.000 0.018 -0.011 29.101 18.020 0.036 3.655
Mean 0.000 0.018 -0.011 29.101 18.020 0.036 3.655
%RSD 56.845 0.316 3.318 0.410 0.218 2.014 0.415

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.01066 0.00415 0.00312 402.66910 485.99635 -0.05070 204.23292
#2 0.01109 0.00418 0.00316 405.82325 487.97161 -0.04464 205.90344
#3 0.01059 0.00418 0.00258 403.36682 487.67163 -0.05009 204.76563
Mean 0.01078 0.00417 0.00295 403.95306 487.21313 -0.04848 204.96733
%RSD 2.51304 0.41776 10.97868 0.41014 0.21847 6.88964 0.41632

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.000 0.003 -0.007 0.000 0.000 -0.034 -0.111
#2 0.000 0.005 -0.005 0.000 0.000 -0.024 -0.122
#3 0.000 0.002 -0.008 0.000 0.000 0.007 -0.118
Mean 0.000 0.003 -0.007 0.000 0.000 -0.028 -0.117
%RSD 14.391 42.676 19.498 0.144 7.406 19.294 4.529

Printed: 10/27/2009 8:12:58 AM User: Accutest
#1 0.00327 0.00688 -0.00152 -0.00507 0.00784 0.00948 0.00455
#2 0.00342 0.00672 0.00167 0.00722 0.01548 0.02955 -0.00527
#3 0.00331 0.00619 -0.00366 0.00430 0.01329 0.02107 -0.00228
Mean 0.00334 0.00726 -0.00117 0.00215 0.01220 0.01880 -0.00100
%RSD 2.35678 17.95537 229.42509 298.72286 32.24516 44.77682 503.09648

IS ratioed intensities
Reading Reading Reading
#1 -0.160 0.667 52201.000
#2 -0.131 0.666 52052.000
#3 -0.136 0.661 52140.000
Mean -0.142 0.665 52131.000
%RSD 10.778 0.516 0.144

Final concentrations
ppm ppm intensity
#1 0.01530 -0.04583 2.13
#2 0.03438 -0.04710 -2.34
#3 0.03098 -0.04904 5.12
Mean 0.02689 -0.04732 1.64
%RSD 37.84304 3.42323 229.43

Method: EPA3 File: it102609ml
SampleId1: ICSAB SampleId2:
Analysis commenced: 10/27/2009 2:58:34 AM
Dilution ratio: 1.00000 to 1.00000

K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.075 0.502 0.107 0.337 19.244 0.090 1.094
#2 0.074 0.495 0.105 0.334 19.099 0.089 1.086
#3 0.074 0.494 0.105 0.334 19.077 0.089 1.084
Mean 0.074 0.497 0.106 0.335 19.140 0.089 1.088
%RSD 0.907 0.840 0.778 0.478 0.474 0.487 0.485

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 -0.03380 1.00836 0.49946 0.49744 548.64200 0.51691 0.52329
#2 -0.04514 0.99540 0.49423 0.49339 544.50864 0.51317 0.51939
#3 -0.04676 0.99266 0.49199 0.49325 543.88553 0.51220 0.51855
Mean -0.04190 0.99881 0.49523 0.49469 545.67872 0.51409 0.52041
%RSD 16.85237 0.83971 0.77405 0.48036 0.47374 0.48353 0.48622

Cu3247 Na3302 Pd3404 As1890 Tl1908 Sb2068 Cd2265
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.218 0.015 0.114 0.747 0.752 0.429 4.042
#2 0.218 0.013 0.113 0.739 0.747 0.424 4.008
#3 0.218 0.013 0.112 0.736 0.748 0.425 4.019
Mean 0.218 0.013 0.113 0.741 0.749 0.426 4.023
%RSD 0.098 8.576 0.659 0.730 0.316 0.596 0.435

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.49108 -0.53759 0.50993 1.05462 1.01243 1.15093 1.06135
#2 0.49014 -0.83338 0.50486 1.04408 1.00701 1.13777 1.05236
#3 0.49047 -0.84647 0.50372 1.03987 1.00768 1.14031 1.05514
Mean 0.49056 -0.73915 0.50617 1.04619 1.00904 1.14309 1.05649
%RSD 0.09725 23.63253 0.65409 0.72591 0.29271 0.61060 0.43556

Ni2316 Ba4934 Ag3280 Ca3179 Al3082 Si2881 Fe2714
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.445 0.666 1.134 28.754 18.278 0.035 3.577
#2 0.442 0.666 1.130 28.523 18.244 0.033 3.550
#3 0.441 0.665 1.129 28.468 18.215 0.034 3.547
Mean 0.442 0.666 1.131 28.582 18.246 0.034 3.568
%RSD 0.446 0.076 0.215 0.531 0.173 2.082 0.460

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 0.99141 0.48704 1.03494 399.08806 494.20609 -0.04927 200.50214
#2 0.98652 0.48702 1.03151 395.88551 493.28725 -0.05584 199.00394
#3 0.98265 0.48641 1.03083 395.11576 492.49595 -0.05308 198.82726
Mean 0.98686 0.48683 1.03242 396.69644 493.32976 -0.05273 199.44444
%RSD 0.44496 0.07351 0.21332 0.53105 0.17349 6.25462 0.46150

Mn2576 Mo2020 Sn1899 Pb2203 Se1960 1960/2 1960/1
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.290 0.554 -0.008 0.000 0.000 0.712 1.005
#2 0.288 0.552 -0.010 0.000 0.000 0.714 1.000
#3 0.288 0.550 -0.008 0.000 0.000 0.709 1.009
Mean 0.289 0.552 -0.009 0.000 0.000 0.712 1.005
%RSD 0.404 0.341 8.978 9.233 0.213 0.330 0.448

Final concentrations
ppm ppm ppm ppm ppm ppm ppm

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#1 0.49101 0.49693 -0.00231 1.07838 1.09956 1.10863 1.08141
#2 0.48764 0.49518 -0.00549 1.06860 1.09954 1.11109 1.07645
#3 0.48755 0.49353 -0.00326 1.07127 1.09774 1.10409 1.08505
Mean 0.48873 0.49521 -0.00369 1.07275 1.09895 1.10793 1.08097
%RSD 0.40338 0.34320 44.24607 0.47113 0.09474 0.32024 0.39940

IS ratioed intensities
Reading Reading Reading
#1 1.555 3.011 51028.000
#2 1.551 2.956 51163.000
#3 1.544 2.995 51244.000
Mean 1.550 2.987 51145.000
%RSD 0.371 0.933 0.213

Final concentrations
ppm ppm intensity
#1 1.11301 1.00911 3.22
#2 1.10973 0.98634 7.66
#3 1.10492 1.00399 4.56
Mean 1.10922 0.99981 5.15
%RSD 0.36702 1.19471 44.25

Method: EPA3 File: it102609ml
SampleId1: CCV SampleId2:
Analysis commenced: 10/27/2009 3:04:53 AM
Dilution ratio: 1.00000 to 1.00000

K 7664 Zn2062 Co2286 Cr2677 Mg2790 V 2924 Be3130
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 2.287 1.073 0.449 1.405 1.514 0.469 4.459
#2 2.272 1.085 0.451 1.409 1.516 0.415 4.477
#3 2.289 1.091 0.455 1.419 1.525 0.418 4.518
Mean 2.283 1.083 0.452 1.411 1.517 0.416 4.488
%RSD 0.410 0.841 0.584 0.486 0.476 0.498 0.582

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 38.38412 2.15821 2.09958 2.08185 43.07955 2.09185 2.14023
#2 38.14138 2.18174 2.10717 2.08692 43.23099 2.09648 2.14437
#3 38.43331 2.19407 2.12367 2.10142 43.48705 2.11184 2.16367
Mean 38.31960 2.17808 2.11014 2.09006 43.26586 2.10006 2.14942
%RSD 0.40787 0.84052 0.58387 0.48611 0.47607 0.49814 0.58212

IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.838 0.268 0.427 1.451 1.376 0.780 8.400
#2 0.835 0.270 0.426 1.465 1.387 0.784 8.466
#3 0.841 0.269 0.429 1.476 1.389 0.791 8.524
Mean 0.838 0.269 0.427 1.464 1.384 0.785 8.463
%RSD 0.392 0.297 0.403 0.850 0.507 0.717 0.737

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 1.91747 40.71735 1.90640 2.04806 2.00827 2.13185 2.21643
#2 1.90992 41.00331 1.90397 2.06713 2.02460 2.14190 2.23389
#3 1.92500 40.97484 1.91834 2.08296 2.02665 2.16239 2.24932
Mean 1.91746 40.91647 1.90957 2.06605 2.01984 2.14538 2.23321
%RSD 0.39320 0.30933 0.40270 0.84598 0.49879 0.72559 0.73693

Ni2316 Ba4934 Ag3280 Ca3179 Al3082 Si2881 Fe2714
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 0.968 2.569 0.269 3.118 1.468 1.180 7.744
#2 0.968 2.552 0.269 3.134 1.461 1.179 0.747
#3 0.975 2.575 0.270 3.153 1.474 1.190 0.752
Mean 0.970 2.566 0.269 3.135 1.467 1.183 0.748
%RSD 0.445 0.466 0.333 0.564 0.450 0.524 0.547

Final concentrations
ppm ppm ppm ppm ppm ppm ppm
#1 2.14342 1.91244 0.25420 43.11346 39.33585 5.47910 41.82239
#2 2.14459 1.89979 0.25425 43.33329 39.14372 5.47375 42.00177
#3 2.14603 1.91695 0.25463 43.60231 39.49914 5.52787 42.27952
Mean 2.14951 1.90972 0.25469 43.34968 39.32623 5.49357 42.03456
%RSD 0.44467 0.46591 0.31818 0.56480 0.45238 0.54284 0.54794

Mn2576 Mo2020 Sn1899 Pb2203 Se1960 1960/2 1960/1
IS ratioed intensities
Reading Reading Reading Reading Reading Reading Reading
#1 1.202 2.269 0.986 0.000 0.000 1.481 2.058
#2 1.203 2.273 0.991 0.000 0.000 1.442 2.041
#3 1.211 2.290 0.998 0.000 0.000 1.476 2.056
Mean 1.206 2.277 0.992 0.000 0.000 1.466 2.052
%RSD 0.415 0.496 0.615 11.258 0.479 1.469 0.469

Final concentrations
ppm ppm ppm ppm ppm ppm ppm

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#1	2.01671	2.01520	2.11052	2.23391	2.14012	2.17142	2.07750
#2	2.01792	2.01868	2.12300	2.18070	2.09554	2.11310	2.06043
#3	2.03182	2.03407	2.13640	2.21699	2.13434	2.16390	2.07523
Mean	2.02215	2.02265	2.12331	2.21053	2.12333	2.14947	2.07106
%RSD	0.41531	0.49652	0.60970	1.22979	1.14162	1.47599	0.44754

2203/2 2203/1 INT STD

IS ratioed intensities

Reading	Reading	Reading	
#1	3.569	4.967	57468.000
#2	3.467	4.902	57997.000
#3	3.530	4.966	57592.000
Mean	3.522	4.945	57685.667
%RSD	1.463	0.749	0.480

Final concentrations

ppm	ppm	intensity	
#1	2.28466	2.13239	-2947.98
#2	2.21915	2.10380	-2965.42
#3	2.25945	2.13208	-2984.14
Mean	2.25442	2.12276	-2965.85
%RSD	1.46576	0.77341	0.61

Method: EPA3 File: it102609ml Printed: 10/27/2009 8:12:59 AM  
SampleId: 0CB SampleID: [FLRQC]  
Analysis commenced: 10/27/2009 3:11:11 AM  
Dilution ratio: 1.00000 to 1.00000

K 7664	Zn2062	Cd2286	Cr2677	Mg2790	V 2924	Be3130
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IS ratioed intensities

Reading	Reading	Reading	Reading	Reading	Reading	Reading	
#1	0.071	0.003	0.000	0.003	0.002	0.000	0.002
#2	0.071	0.002	0.000	0.003	0.002	0.000	0.002
#3	0.070	0.002	0.000	0.002	0.001	0.000	0.002
Mean	0.071	0.002	0.000	0.003	0.002	0.000	0.002
%RSD	1.076	17.354	1137.826	22.843	22.058	144.134	5.674

Final concentrations

ppm	ppm	ppm	ppm	ppm	ppm	ppm	
#1	1.26625	0.00700	0.00281	0.00366	0.04664	0.00061	0.00027
#2	1.25907	0.00637	0.00191	0.00370	0.03715	-0.00016	0.00021
#3	1.24131	0.00540	0.00043	0.00193	0.02542	-0.00127	0.00016
Mean	1.25554	0.00625	0.00172	0.00276	0.03641	-0.00027	0.00022
%RSD	1.02273	12.84002	69.80740	31.33012	29.19674	347.95488	25.70021

Cu3247 Na3302 Pd3404 As1890 Tl1908 Sb2068 Cd2265

IS ratioed intensities

Reading	Reading	Reading	Reading	Reading	Reading	Reading	
#1	0.004	0.021	0.000	0.001	-0.020	0.013	0.006
#2	0.004	0.020	0.000	-0.001	-0.023	0.011	0.004
#3	0.004	0.018	-0.001	-0.002	-0.025	0.009	0.002
Mean	0.004	0.020	0.000	0.000	-0.022	0.011	0.004
%RSD	6.252	8.821	305.190	312.218	11.773	18.993	37.625

Final concentrations

ppm	ppm	ppm	ppm	ppm	ppm	ppm	
#1	0.00226	1.26516	0.00631	0.00353	0.00218	0.00480	0.00118
#2	0.00187	1.05374	0.00398	0.00117	-0.00211	-0.00071	0.00084
#3	0.00114	0.72289	0.00066	-0.00072	-0.00534	-0.00657	0.00037
Mean	0.00176	1.01393	0.00355	0.00133	-0.00376	-0.00083	0.00080
%RSD	32.36606	26.95613	77.82561	160.70527	214.36950	687.83760	51.17327

Ni2316 Ba4934 Ag3280 Ca3179 Al3082 Si2881 Fe2714

IS ratioed intensities

Reading	Reading	Reading	Reading	Reading	Reading	Reading	
#1	0.000	0.001	-0.011	0.006	0.010	0.033	0.001
#2	0.000	0.001	-0.012	0.006	0.009	0.032	0.001
#3	-0.001	0.001	-0.013	0.005	0.009	0.031	0.000
Mean	0.000	0.001	-0.012	0.005	0.009	0.032	0.001
%RSD	404.856	22.346	9.071	5.687	3.629	2.934	42.951

Final concentrations

ppm	ppm	ppm	ppm	ppm	ppm	ppm	
#1	0.00477	0.00054	0.00185	0.06476	0.01254	-0.03136	0.05274
#2	0.00376	0.00039	0.00073	0.06107	0.00656	-0.03495	0.02612
#3	0.00245	0.00027	-0.00005	0.05622	-0.00559	-0.04034	0.01938
Mean	0.00366	0.00040	0.00084	0.06068	0.00450	-0.03555	0.03275
%RSD	31.77681	33.02250	113.43528	7.06005	205.22934	12.71966	53.86465

Mn2576 Mo2020 Sn1899 Pb2203 Se1960 1960/2 1960/1

IS ratioed intensities

Reading	Reading	Reading	Reading	Reading	Reading	Reading	
#1	0.001	0.007	-0.009	0.000	0.000	0.037	-0.100
#2	0.001	0.004	-0.010	0.000	0.000	0.033	-0.103
#3	0.001	0.002	-0.011	0.000	0.000	0.030	-0.100
Mean	0.001	0.004	-0.010	0.000	0.000	0.033	-0.101
%RSD	14.583	53.848	10.133	10.701	0.181	10.487	1.500

Final concentrations

ppm	ppm	ppm	ppm	ppm	ppm	ppm
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#1	0.00080	0.00290	0.00003	0.00031	0.00437	0.01163	-0.01016
#2	0.00066	0.00009	-0.00273	-0.00139	-0.00052	0.000540	-0.01235
#3	0.00049	-0.00099	-0.00418	-0.00245	-0.00225	0.00142	-0.00959
Mean	0.00065	0.00066	-0.00229	-0.00117	0.00053	0.00615	-0.01070
%RSD	24.09028	302.39509	93.32901	118.60489	645.01000	83.74573	13.61067

2203/2 2203/1 INT STD

IS ratioed intensities

Reading	Reading	Reading	
#1	0.024	0.114	59086.000
#2	0.021	0.111	58884.000
#3	0.017	0.115	59045.000
Mean	0.021	0.113	59005.000
%RSD	16.396	1.938	0.181

Final concentrations

ppm	ppm	intensity	
#1	0.00531	-0.00967	-0.04
#2	0.00346	-0.01109	3.81
#3	0.00093	-0.00920	5.84
Mean	0.00323	-0.00999	3.20
%RSD	68.01268	9.83727	93.33



# Method report EPA3

## Interference calibration information

Interfered name	Interfering name	C1	C2	C3	Correlation coefficient	Date of last regression
Se1960	1960/2	-0.66667	0.0	0.0	0.990	5/13/2005 12:16:44 PM
Se1960	1960/1	-0.333333	0.0	0.0	0.990	5/13/2005 12:16:44 PM
Pb2203	2203/2	-0.66667	0.0	0.0	0.990	5/13/2005 12:16:44 PM
Pb2203	2203/1	-0.333333	0.0	0.0	0.990	5/13/2005 12:16:44 PM
1960/2	Sn1899	0.0000136	0.0	0.0	1.000	9/9/2009 10:19:49 AM
1960/1	Sn1899	-0.0003754	0.0	0.0	1.000	9/9/2009 10:25:58 AM
2203/2	Sn1899	0.0002289	0.0	0.0	1.000	9/9/2009 10:20:06 AM
2203/1	Sn1899	-0.0004137	0.0	0.0	1.000	9/9/2009 10:19:57 AM
Si2881	Sn1899	0.0215109	0.0	0.0	1.000	9/9/2009 10:24:29 AM
Pd3404	Sn1899	0.0000712	0.0	0.0	1.000	9/9/2009 10:24:04 AM
Mo2020	Sn1899	0.0000064	0.0	0.0	1.000	9/9/2009 10:23:27 AM
Na3302	Sn1899	-0.0517855	0.0	0.0	1.000	9/9/2009 10:23:38 AM
K 7664	Sn1899	-0.0159611	0.0	0.0	1.000	9/9/2009 10:22:52 AM
Mg2790	Sn1899	-0.0000953	0.0	0.0	1.000	9/9/2009 10:23:03 AM
Fe2714	Sn1899	0.0002265	0.0	0.0	1.000	9/9/2009 10:22:41 AM
Ca3179	Sn1899	0.0018296	0.0	0.0	1.000	9/9/2009 10:21:49 AM
Al3082	Sn1899	0.0011113	0.0	0.0	1.000	9/9/2009 10:20:30 AM
Sb2068	Sn1899	0.0000006	0.0	0.0	1.000	9/9/2009 10:24:16 AM
Tl1908	Sn1899	-0.0006408	0.0	0.0	1.000	9/9/2009 10:24:50 AM
As1890	Sn1899	-0.0000015	0.0	0.0	1.000	9/9/2009 10:20:38 AM
Zn2062	Sn1899	0.0000809	0.0	0.0	1.000	9/9/2009 10:25:09 AM
V 2924	Sn1899	-0.0000039	0.0	0.0	1.000	9/9/2009 10:24:59 AM
Ag3280	Sn1899	0.0000191	0.0	0.0	1.000	9/9/2009 10:20:18 AM
Ni2316	Sn1899	-0.0000187	0.0	0.0	1.000	9/9/2009 10:23:50 AM
Mr2576	Sn1899	0.0000172	0.0	0.0	1.000	9/9/2009 10:23:16 AM
Cu3247	Sn1899	0.0000117	0.0	0.0	1.000	9/9/2009 10:22:31 AM
Cr2677	Sn1899	0.0000155	0.0	0.0	1.000	9/9/2009 10:22:22 AM
Co2286	Sn1899	0.0000067	0.0	0.0	1.000	9/9/2009 10:22:12 AM
Cd2265	Sn1899	-0.0000041	0.0	0.0	1.000	9/9/2009 10:22:02 AM
Be3130	Sn1899	0.0000001	0.0	0.0	1.000	9/9/2009 10:21:00 AM

# Method report EPA3

Ba4934	Sn1899	0.0000143	0.0	0.0	1.000	9/9/2009 10:26:06 AM
INT STD	Sn1899	1396.8066667	0.0	0.0	1.000	5/20/2005 10:55:22 AM
1960/2	Si2881	0.0000311	0.0	0.0	1.000	9/9/2009 10:19:49 AM
1960/1	Si2881	-0.0002404	0.0	0.0	1.000	9/9/2009 10:25:58 AM
2203/2	Si2881	0.0001581	0.0	0.0	1.000	9/9/2009 10:20:06 AM
2203/1	Si2881	0.0040454	0.0	0.0	1.000	9/9/2009 10:19:57 AM
Sn1899	Si2881	-0.0000242	0.0	0.0	1.000	9/9/2009 10:24:39 AM
Pd3404	Si2881	0.0000554	0.0	0.0	1.000	9/9/2009 10:24:04 AM
Mo2020	Si2881	0.0000498	0.0	0.0	1.000	9/9/2009 10:23:27 AM
Na3302	Si2881	-0.0488485	0.0	0.0	1.000	9/9/2009 10:23:39 AM
K 7664	Si2881	-0.0164	0.0	0.0	1.000	9/9/2009 10:22:52 AM
Mg2790	Si2881	-0.0001295	0.0	0.0	1.000	9/9/2009 10:23:03 AM
Fe2714	Si2881	-0.020319	0.0	0.0	1.000	9/9/2009 10:22:41 AM
Ca3179	Si2881	0.0010626	0.0	0.0	1.000	9/9/2009 10:21:50 AM
Al3082	Si2881	0.0050222	0.0	0.0	1.000	9/9/2009 10:20:30 AM
Sb2068	Si2881	-0.0000579	0.0	0.0	1.000	9/9/2009 10:24:17 AM
Tl1908	Si2881	-0.0003056	0.0	0.0	1.000	9/9/2009 10:24:50 AM
As1890	Si2881	0.0000421	0.0	0.0	1.000	9/9/2009 10:20:39 AM
Zn2062	Si2881	0.0000325	0.0	0.0	1.000	9/9/2009 10:25:09 AM
V 2924	Si2881	0.0000312	0.0	0.0	1.000	9/9/2009 10:24:59 AM
Ag3280	Si2881	0.0000144	0.0	0.0	1.000	9/9/2009 10:20:18 AM
Ni2316	Si2881	0.0000009	0.0	0.0	1.000	9/9/2009 10:23:50 AM
Mn2576	Si2881	0.0000145	0.0	0.0	1.000	9/9/2009 10:23:16 AM
Cu3247	Si2881	-0.0000101	0.0	0.0	1.000	9/9/2009 10:22:31 AM
Cr2677	Si2881	0.0000177	0.0	0.0	1.000	9/9/2009 10:22:22 AM
Co2286	Si2881	0.000033	0.0	0.0	1.000	9/9/2009 10:22:12 AM
Cd2265	Si2881	-0.0000175	0.0	0.0	1.000	9/9/2009 10:22:02 AM
Be3130	Si2881	0.0000001	0.0	0.0	1.000	9/9/2009 10:21:00 AM
Ba4934	Si2881	0.0000073	0.0	0.0	1.000	9/9/2009 10:26:06 AM
1960/2	Mo2020	-0.0007303	0.0	0.0	0.9996	9/9/2009 10:19:49 AM
1960/1	Mo2020	0.0010543	0.0	0.0	0.9998	9/9/2009 10:25:58 AM
2203/2	Mo2020	-0.0019132	0.0	0.0	1.000	9/9/2009 10:20:06 AM
2203/1	Mo2020	-0.0027964	0.0	0.0	0.9996	9/9/2009 10:19:58 AM
Sn1899	Mo2020	-0.0001064	0.0	0.0	1.000	9/9/2009 10:24:39 AM

# Method report EPA3

Si2881	Mo2020	-0.0015504	0.0	0.0	0.9915	9/9/2009 10:24:29 AM
Pd3404	Mo2020	-0.0002088	0.0	0.0	0.9981	9/9/2009 10:24:04 AM
Na3302	Mo2020	-0.0701081	0.0	0.0	1.000	9/9/2009 10:23:39 AM
K 7664	Mo2020	0.0094015	0.0	0.0	1.000	9/9/2009 10:22:53 AM
Mg2790	Mo2020	-0.0005835	0.0	0.0	0.9999	9/9/2009 10:23:03 AM
Fe2714	Mo2020	0.001607	0.0	0.0	1.000	9/9/2009 10:22:42 AM
Ca3179	Mo2020	0.0015941	0.0	0.0	0.9996	9/9/2009 10:21:50 AM
Al3082	Mo2020	0.001328	0.0	0.0	0.9678	9/9/2009 10:20:30 AM
Sb2068	Mo2020	-0.0072638	0.0	0.0	0.9996	9/9/2009 10:24:17 AM
Tl1908	Mo2020	-0.0005498	0.0	0.0	1.000	9/9/2009 10:24:51 AM
As1890	Mo2020	-0.0002733	0.0	0.0	0.9998	9/9/2009 10:20:39 AM
Zn2062	Mo2020	0.0004388	0.0	0.0	1.000	9/9/2009 10:25:10 AM
V 2924	Mo2020	0.0001397	0.0	0.0	0.9999	9/9/2009 10:24:59 AM
Ag3280	Mo2020	-0.0000211	0.0	0.0	1.000	9/9/2009 10:20:19 AM
Ni2316	Mo2020	-0.000124	0.0	0.0	0.9999	9/9/2009 10:23:50 AM
Mn2576	Mo2020	0.0001081	0.0	0.0	0.9955	9/9/2009 10:23:16 AM
Cu3247	Mo2020	0.0003033	0.0	0.0	0.9999	9/9/2009 10:22:32 AM
Cr2677	Mo2020	0.0000598	0.0	0.0	1.000	9/9/2009 10:22:22 AM
Co2286	Mo2020	-0.0030034	0.0	0.0	0.9976	9/9/2009 10:22:13 AM
Cd2265	Mo2020	-0.0000109	0.0	0.0	1.000	9/9/2009 10:22:03 AM
Be3130	Mo2020	-0.0002864	0.0	0.0	0.9967	9/9/2009 10:21:00 AM
Be4934	Mo2020	-0.0000007	0.0	0.0	0.9999	9/9/2009 10:26:06 AM
1960/2	Mg2790	-0.0000087	0.0	0.0	1.000	9/9/2009 10:19:50 AM
1960/1	Mg2790	0.0000148	0.0	0.0	1.000	9/9/2009 10:25:58 AM
2203/2	Mg2790	-0.0000765	0.0	0.0	1.000	9/9/2009 10:20:07 AM
2203/1	Mg2790	0.0001392	0.0	0.0	1.000	9/9/2009 10:19:59 AM
Sn1899	Mg2790	-0.0000025	0.0	0.0	1.000	9/9/2009 10:24:39 AM
Si2881	Mg2790	0.0000232	0.0	0.0	1.000	9/9/2009 10:24:29 AM
Pd3404	Mg2790	0.0000011	0.0	0.0	1.000	9/9/2009 10:24:04 AM
Mo2020	Mg2790	-0.0000023	0.0	0.0	1.000	9/9/2009 10:23:28 AM
Na3302	Mg2790	0.0014899	0.0	0.0	1.000	9/9/2009 10:23:39 AM
K 7664	Mg2790	0.00148	0.0	0.0	1.000	9/9/2009 10:22:53 AM
Fe2714	Mg2790	0.0000679	0.0	0.0	1.000	9/9/2009 10:22:42 AM
Ca3179	Mg2790	0.0001412	0.0	0.0	1.000	9/9/2009 10:21:50 AM

# Method report EPA3

Al3082	Mg2790	0.0000437	0.0	0.0	1.000	9/9/2009 10:20:31 AM
Sb2068	Mg2790	0.0000042	0.0	0.0	1.000	9/9/2009 10:24:17 AM
Tl1908	Mg2790	-0.0000053	0.0	0.0	1.000	9/9/2009 10:24:51 AM
As1890	Mg2790	-0.0000087	0.0	0.0	1.000	9/9/2009 10:20:39 AM
Zn2062	Mg2790	-0.0000023	0.0	0.0	1.000	9/9/2009 10:25:10 AM
V 2924	Mg2790	0.0000006	0.0	0.0	1.000	9/9/2009 10:25:00 AM
Ag3280	Mg2790	-0.0000006	0.0	0.0	1.000	9/9/2009 10:20:19 AM
Ni2316	Mg2790	-0.0000003	0.0	0.0	1.000	9/9/2009 10:23:50 AM
Mn2576	Mg2790	-0.0000021	0.0	0.0	1.000	9/9/2009 10:23:17 AM
Cu3247	Mg2790	0.0000018	0.0	0.0	1.000	9/9/2009 10:22:32 AM
Cr2677	Mg2790	-0.0000003	0.0	0.0	1.000	9/9/2009 10:22:22 AM
Co2286	Mg2790	0.0000005	0.0	0.0	1.000	9/9/2009 10:22:13 AM
Cd2265	Mg2790	0.0000004	0.0	0.0	1.000	9/9/2009 10:22:03 AM
Be3130	Mg2790	0.0000001	0.0	0.0	1.000	9/9/2009 10:21:01 AM
Ba4934	Mg2790	0.0000057	0.0	0.0	1.000	9/9/2009 10:26:06 AM
1960/2	Fe2714	-0.0006	0.0	0.0	1.000	9/9/2009 10:19:50 AM
1960/1	Fe2714	-0.0000228	0.0	0.0	1.000	9/9/2009 10:25:58 AM
2203/2	Fe2714	-0.0000193	0.0	0.0	1.000	9/9/2009 10:20:07 AM
2203/1	Fe2714	0.0002069	0.0	0.0	1.000	9/9/2009 10:19:59 AM
Sn1899	Fe2714	0.0000558	0.0	0.0	1.000	9/9/2009 10:24:39 AM
Si2881	Fe2714	0.0000121	0.0	0.0	1.000	9/9/2009 10:24:29 AM
Pd3404	Fe2714	-0.000002	0.0	0.0	1.000	9/9/2009 10:24:04 AM
Mo2020	Fe2714	-0.0000112	0.0	0.0	1.000	9/9/2009 10:23:28 AM
Na3302	Fe2714	-0.0051433	0.0	0.0	1.000	9/9/2009 10:23:39 AM
K 7664	Fe2714	-0.0032141	0.0	0.0	1.000	9/9/2009 10:22:53 AM
Mg2790	Fe2714	-0.0000444	0.0	0.0	1.000	9/9/2009 10:23:04 AM
Ca3179	Fe2714	0.0000916	0.0	0.0	1.000	9/9/2009 10:21:51 AM
Al3082	Fe2714	0.0001083	0.0	0.0	1.000	9/9/2009 10:20:31 AM
Sb2068	Fe2714	0.0000047	0.0	0.0	1.000	9/9/2009 10:24:17 AM
Tl1908	Fe2714	0.0005	0.0	0.0	1.000	9/9/2009 10:24:51 AM
As1890	Fe2714	0.0000393	0.0	0.0	1.000	9/9/2009 10:20:40 AM
Zn2062	Fe2714	-0.0000022	0.0	0.0	1.000	9/9/2009 10:25:10 AM
V 2924	Fe2714	-0.00003265	0.0	0.0	1.000	9/9/2009 10:25:00 AM
Ag3280	Fe2714	-0.0000004	0.0	0.0	1.000	9/9/2009 10:20:19 AM

# Method report EPA3

Ni2316	Fe2714	-0.000068	0.0	0.0	1.000	9/9/2009 10:23:50 AM
Mn2576	Fe2714	-0.0000008	0.0	0.0	1.000	9/9/2009 10:23:17 AM
Cu3247	Fe2714	0.000005	0.0	0.0	1.000	9/9/2009 10:22:32 AM
Cr2677	Fe2714	0.0000001	0.0	0.0	1.000	9/9/2009 10:22:23 AM
Co2286	Fe2714	-0.0000052	0.0	0.0	1.000	9/9/2009 10:22:13 AM
Cd2265	Fe2714	0.0000256	0.0	0.0	1.000	9/9/2009 10:22:03 AM
Be3130	Fe2714	0.0000001	0.0	0.0	1.000	9/9/2009 10:21:01 AM
Ba4934	Fe2714	0.0000003	0.0	0.0	1.000	9/9/2009 10:26:07 AM
1960/2	Ca3179	0.0000267	0.0	0.0	1.000	9/9/2009 10:19:50 AM
1960/1	Ca3179	-0.0000451	0.0	0.0	1.000	9/9/2009 10:25:59 AM
2203/2	Ca3179	-0.0000536	0.0	0.0	1.000	9/9/2009 10:20:07 AM
2203/1	Ca3179	0.0000821	0.0	0.0	1.000	9/9/2009 10:19:59 AM
Sn1899	Ca3179	-0.0000023	0.0	0.0	1.000	9/9/2009 10:24:40 AM
Si2881	Ca3179	0.0000162	0.0	0.0	1.000	9/9/2009 10:24:29 AM
Pd3404	Ca3179	0.0000003	0.0	0.0	1.000	9/9/2009 10:24:05 AM
Mo2020	Ca3179	-0.0000039	0.0	0.0	1.000	9/9/2009 10:23:28 AM
Na3302	Ca3179	0.0011452	0.0	0.0	1.000	9/9/2009 10:23:39 AM
K 7664	Ca3179	0.0009439	0.0	0.0	1.000	9/9/2009 10:22:54 AM
Mg2790	Ca3179	-0.0000086	0.0	0.0	1.000	9/9/2009 10:23:04 AM
Fe2714	Ca3179	0.0001743	0.0	0.0	1.000	9/9/2009 10:22:42 AM
Al3082	Ca3179	0.0000461	0.0	0.0	1.000	9/9/2009 10:20:31 AM
Sb2068	Ca3179	0.0000015	0.0	0.0	1.000	9/9/2009 10:24:17 AM
Tl1908	Ca3179	0.0000229	0.0	0.0	1.000	9/9/2009 10:24:51 AM
As1890	Ca3179	-0.0000054	0.0	0.0	1.000	9/9/2009 10:20:40 AM
Zn2062	Ca3179	0.0000041	0.0	0.0	1.000	9/9/2009 10:25:10 AM
V 2924	Ca3179	-0.0000006	0.0	0.0	1.000	9/9/2009 10:25:00 AM
Ag3280	Ca3179	-0.0000014	0.0	0.0	1.000	9/9/2009 10:20:20 AM
Ni2316	Ca3179	-0.0000062	0.0	0.0	1.000	9/9/2009 10:23:51 AM
Mn2576	Ca3179	-0.0000023	0.0	0.0	1.000	9/9/2009 10:23:17 AM
Cu3247	Ca3179	0.0000001	0.0	0.0	1.000	9/9/2009 10:22:33 AM
Cr2677	Ca3179	-0.0000009	0.0	0.0	1.000	9/9/2009 10:22:23 AM
Co2286	Ca3179	0.0000001	0.0	0.0	1.000	9/9/2009 10:22:13 AM
Cd2265	Ca3179	-0.0000011	0.0	0.0	1.000	9/9/2009 10:22:03 AM
Be3130	Ca3179	0.0000000	0.0	0.0	1.000	9/9/2009 10:21:01 AM

# Method report EPA3

Ba4934	Ca3179	0.0000014	0.0	0.0	1.000	9/9/2009 10:26:07 AM
1960/2	Al3082	0.0000286	0.0	0.0	1.000	9/9/2009 10:19:50 AM
1960/1	Al3082	-0.0000221	0.0	0.0	1.000	9/9/2009 10:25:59 AM
2203/2	Al3082	-0.0001225	0.0	0.0	1.000	9/9/2009 10:20:07 AM
2203/1	Al3082	0.0002665	0.0	0.0	1.000	9/9/2009 10:19:59 AM
Sn1899	Al3082	-0.0000062	0.0	0.0	1.000	9/9/2009 10:24:40 AM
Si2881	Al3082	0.0000175	0.0	0.0	1.000	9/9/2009 10:24:29 AM
Pd3404	Al3082	0.0000021	0.0	0.0	1.000	9/9/2009 10:24:05 AM
Mo2020	Al3082	-0.0000044	0.0	0.0	1.000	9/9/2009 10:23:28 AM
Na3302	Al3082	0.0014403	0.0	0.0	1.000	9/9/2009 10:23:39 AM
K 7664	Al3082	0.001705	0.0	0.0	1.000	9/9/2009 10:22:54 AM
Mg2790	Al3082	0.0001048	0.0	0.0	1.000	9/9/2009 10:23:04 AM
Fe2714	Al3082	0.0025948	0.0	0.0	1.000	9/9/2009 10:22:43 AM
Ca3179	Al3082	0.0001567	0.0	0.0	1.000	9/9/2009 10:21:51 AM
Sb2068	Al3082	-0.0000014	0.0	0.0	1.000	9/9/2009 10:24:17 AM
Tl1908	Al3082	-0.0000049	0.0	0.0	1.000	9/9/2009 10:24:51 AM
As1890	Al3082	-0.0000096	0.0	0.0	1.000	9/9/2009 10:20:40 AM
Zn2062	Al3082	0.0000041	0.0	0.0	1.000	9/9/2009 10:25:10 AM
V 2924	Al3082	-0.0000003	0.0	0.0	1.000	9/9/2009 10:25:00 AM
Ag3280	Al3082	-0.0000007	0.0	0.0	1.000	9/9/2009 10:20:20 AM
Ni2316	Al3082	-0.0000017	0.0	0.0	1.000	9/9/2009 10:23:51 AM
Mn2576	Al3082	-0.0000004	0.0	0.0	1.000	9/9/2009 10:23:17 AM
Cu3247	Al3082	0.0000018	0.0	0.0	1.000	9/9/2009 10:22:33 AM
Cr2677	Al3082	0.0000037	0.0	0.0	1.000	9/9/2009 10:22:23 AM
Co2286	Al3082	0.0000007	0.0	0.0	1.000	9/9/2009 10:22:13 AM
Cd2265	Al3082	0.0000014	0.0	0.0	1.000	9/9/2009 10:22:03 AM
Be3130	Al3082	0.0000003	0.0	0.0	1.000	9/9/2009 10:21:01 AM
Ba4934	Al3082	0.0000091	0.0	0.0	1.000	9/9/2009 10:26:07 AM
As1890	Se1960	0.0	0.0	0.0	0.990	5/13/2005 12:16:44 PM
1960/2	Tl1908	0.0000262	0.0	0.0	1.000	9/9/2009 10:19:51 AM
1960/1	Tl1908	-0.0004672	0.0	0.0	1.000	9/9/2009 10:25:59 AM
2203/2	Tl1908	0.0001317	0.0	0.0	1.000	9/9/2009 10:20:07 AM
2203/1	Tl1908	-0.000499	0.0	0.0	1.000	9/9/2009 10:19:59 AM
Sn1899	Tl1908	0.0000504	0.0	0.0	1.000	9/9/2009 10:24:40 AM

# Method report EPA3

Si2881	Tl1908	-0.0001513	0.0	0.0	1.000	9/9/2009 10:24:30 AM
Pd3404	Tl1908	0.0000324	0.0	0.0	1.000	9/9/2009 10:24:05 AM
Mo2020	Tl1908	-0.0000145	0.0	0.0	1.000	9/9/2009 10:23:28 AM
Na3302	Tl1908	-0.0488692	0.0	0.0	1.000	9/9/2009 10:23:40 AM
K 7664	Tl1908	-0.0160386	0.0	0.0	1.000	9/9/2009 10:22:54 AM
Mg2790	Tl1908	-0.0003151	0.0	0.0	1.000	9/9/2009 10:23:04 AM
Fe2714	Tl1908	0.0000286	0.0	0.0	1.000	9/9/2009 10:22:43 AM
Ca3179	Tl1908	-0.0000003	0.0	0.0	1.000	9/9/2009 10:21:51 AM
Al3082	Tl1908	-0.0003262	0.0	0.0	1.000	9/9/2009 10:20:31 AM
Sb2068	Tl1908	-0.0001378	0.0	0.0	1.000	9/9/2009 10:24:18 AM
As1890	Tl1908	-0.0000268	0.0	0.0	1.000	9/9/2009 10:20:40 AM
Zn2062	Tl1908	0.0002029	0.0	0.0	1.000	9/9/2009 10:25:10 AM
V 2924	Tl1908	-0.000016	0.0	0.0	1.000	9/9/2009 10:25:00 AM
Ag3280	Tl1908	0.0000005	0.0	0.0	1.000	9/9/2009 10:20:20 AM
Ni2316	Tl1908	0.0001565	0.0	0.0	1.000	9/9/2009 10:23:51 AM
Mn2576	Tl1908	0.0000092	0.0	0.0	1.000	9/9/2009 10:23:17 AM
Cu3247	Tl1908	0.0	0.0	0.0	1.000	9/9/2009 10:22:33 AM
Cr2677	Tl1908	-0.0000068	0.0	0.0	1.000	9/9/2009 10:22:23 AM
Co2286	Tl1908	0.0000496	0.0	0.0	1.000	9/9/2009 10:22:13 AM
Cd2265	Tl1908	-0.0000005	0.0	0.0	1.000	9/9/2009 10:22:03 AM
Be3130	Tl1908	-0.0000012	0.0	0.0	1.000	9/9/2009 10:21:01 AM
Ba4934	Tl1908	0.0000046	0.0	0.0	1.000	9/9/2009 10:26:07 AM
1960/2	Zn2062	-0.0005382	0.0	0.0	0.9999	9/9/2009 10:19:51 AM
1960/1	Zn2062	-0.0002152	0.0	0.0	1.000	9/9/2009 10:25:59 AM
2203/2	Zn2062	-0.0002705	0.0	0.0	1.000	9/9/2009 10:20:08 AM
2203/1	Zn2062	-0.0020272	0.0	0.0	0.9998	9/9/2009 10:19:59 AM
Sn1899	Zn2062	-0.0002782	0.0	0.0	1.000	9/9/2009 10:24:40 AM
Si2881	Zn2062	-0.000488	0.0	0.0	0.9986	9/9/2009 10:24:30 AM
Pd3404	Zn2062	0.0000347	0.0	0.0	0.9998	9/9/2009 10:24:05 AM
Mo2020	Zn2062	-0.0002173	0.0	0.0	0.9999	9/9/2009 10:23:28 AM
Na3302	Zn2062	0.066	0.0	0.0	1.000	9/9/2009 10:23:40 AM
K 7664	Zn2062	0.0089189	0.0	0.0	1.000	9/9/2009 10:22:54 AM
Mg2790	Zn2062	-0.0002562	0.0	0.0	1.000	9/9/2009 10:23:04 AM
Fe2714	Zn2062	-0.0074531	0.0	0.0	1.000	9/9/2009 10:22:43 AM

# Method report EPA3

Ca3179	Zn2062	0.0054268	0.0	0.0	0.9591	9/9/2009 10:21:51 AM
Al3082	Zn2062	-0.0372845	0.0	0.0	0.5581	9/9/2009 10:20:32 AM
Sb2068	Zn2062	-0.0005926	0.0	0.0	0.9978	9/9/2009 10:24:18 AM
Tl1908	Zn2062	-0.0008809	0.0	0.0	1.000	9/9/2009 10:24:52 AM
As1890	Zn2062	-0.0001145	0.0	0.0	0.9999	9/9/2009 10:20:40 AM
V 2924	Zn2062	-0.0000975	0.0	0.0	1.000	9/9/2009 10:25:01 AM
Ag3280	Zn2062	0.0000198	0.0	0.0	1.000	9/9/2009 10:20:20 AM
Ni2316	Zn2062	-0.0000517	0.0	0.0	0.9998	9/9/2009 10:23:51 AM
Mn2576	Zn2062	-0.0000059	0.0	0.0	1.000	9/9/2009 10:23:17 AM
Cu3247	Zn2062	0.0001051	0.0	0.0	0.9978	9/9/2009 10:22:33 AM
Cr2677	Zn2062	0.0001211	0.0	0.0	0.9999	9/9/2009 10:22:23 AM
Co2286	Zn2062	0.0000439	0.0	0.0	0.9989	9/9/2009 10:22:14 AM
Cd2265	Zn2062	0.0000281	0.0	0.0	1.000	9/9/2009 10:22:04 AM
Be3130	Zn2062	-0.0000038	0.0	0.0	0.9986	9/9/2009 10:21:02 AM
Ba4934	Zn2062	0.0000058	0.0	0.0	1.000	9/9/2009 10:26:07 AM
1960/2	V 2924	-0.0000714	0.0	0.0	1.000	9/9/2009 10:19:51 AM
1960/1	V 2924	-0.0003192	0.0	0.0	1.000	9/9/2009 10:25:59 AM
2203/2	V 2924	0.0003272	0.0	0.0	1.000	9/9/2009 10:20:08 AM
2203/1	V 2924	-0.0002743	0.0	0.0	1.000	9/9/2009 10:19:59 AM
Sn1899	V 2924	-0.0001231	0.0	0.0	1.000	9/9/2009 10:24:40 AM
Si2881	V 2924	0.0019125	0.0	0.0	1.000	9/9/2009 10:24:30 AM
Pd3404	V 2924	0.0000659	0.0	0.0	1.000	9/9/2009 10:24:05 AM
Mo2020	V 2924	-0.0000552	0.0	0.0	1.000	9/9/2009 10:23:28 AM
Na3302	V 2924	-0.0512874	0.0	0.0	1.000	9/9/2009 10:23:40 AM
K 7664	V 2924	-0.0148467	0.0	0.0	1.000	9/9/2009 10:22:54 AM
Mg2790	V 2924	0.0002175	0.0	0.0	1.000	9/9/2009 10:23:04 AM
Fe2714	V 2924	0.0087829	0.0	0.0	1.000	9/9/2009 10:22:43 AM
Ca3179	V 2924	0.0058141	0.0	0.0	1.000	9/9/2009 10:21:52 AM
Al3082	V 2924	0.0037966	0.0	0.0	1.000	9/9/2009 10:20:32 AM
Sb2068	V 2924	0.0000091	0.0	0.0	1.000	9/9/2009 10:24:18 AM
Tl1908	V 2924	-0.0017942	0.0	0.0	1.000	9/9/2009 10:24:52 AM
As1890	V 2924	-0.0000598	0.0	0.0	1.000	9/9/2009 10:20:41 AM
Zn2062	V 2924	0.0003848	0.0	0.0	1.000	9/9/2009 10:25:11 AM
Ag3280	V 2924	-0.0002808	0.0	0.0	1.000	9/9/2009 10:20:21 AM



# Method report EPA3

Ni2316	V 2924	0.0005897	0.0	0.0	1.000	9/9/2009 10:23:51 AM
Mn2576	V 2924	-0.0000752	0.0	0.0	1.000	9/9/2009 10:23:18 AM
Cu3247	V 2924	-0.0001534	0.0	0.0	1.000	9/9/2009 10:22:33 AM
Cr2677	V 2924	-0.000396	0.0	0.0	1.000	9/9/2009 10:22:23 AM
Co2286	V 2924	0.0000188	0.0	0.0	1.000	9/9/2009 10:22:14 AM
Cd2265	V 2924	-0.0000029	0.0	0.0	1.000	9/9/2009 10:22:04 AM
Be3130	V 2924	0.001483	0.0	0.0	1.000	9/9/2009 10:21:02 AM
Ba4934	V 2924	0.0000116	0.0	0.0	1.000	9/9/2009 10:26:07 AM
1960/2	Ni2316	-0.0001126	0.0	0.0	1.000	9/9/2009 10:19:51 AM
1960/1	Ni2316	-0.0002951	0.0	0.0	1.000	9/9/2009 10:25:59 AM
2203/2	Ni2316	0.0020305	0.0	0.0	1.000	9/9/2009 10:20:08 AM
2203/1	Ni2316	-0.0013263	0.0	0.0	0.9998	9/9/2009 10:20:00 AM
Sn1899	Ni2316	-0.0003902	0.0	0.0	1.000	9/9/2009 10:24:40 AM
Si2881	Ni2316	-0.0003955	0.0	0.0	0.9934	9/9/2009 10:24:30 AM
Pd3404	Ni2316	-0.0000895	0.0	0.0	0.9959	9/9/2009 10:24:05 AM
Mo2020	Ni2316	-0.0002376	0.0	0.0	0.9999	9/9/2009 10:23:29 AM
Na3302	Ni2316	-0.050723	0.0	0.0	1.000	9/9/2009 10:23:40 AM
K 7664	Ni2316	0.0090389	0.0	0.0	1.000	9/9/2009 10:22:55 AM
Mg2790	Ni2316	-0.0006118	0.0	0.0	0.9999	9/9/2009 10:23:05 AM
Fe2714	Ni2316	0.0003556	0.0	0.0	1.000	9/9/2009 10:22:44 AM
Ca3179	Ni2316	0.0060451	0.0	0.0	0.9538	9/9/2009 10:21:52 AM
Al3082	Ni2316	-0.0031011	0.0	0.0	0.5678	9/9/2009 10:20:32 AM
Sb2068	Ni2316	-0.0004229	0.0	0.0	0.9977	9/9/2009 10:24:18 AM
Tl1908	Ni2316	-0.0008274	0.0	0.0	1.000	9/9/2009 10:24:52 AM
As1890	Ni2316	-0.00013	0.0	0.0	0.9998	9/9/2009 10:20:41 AM
Zn2062	Ni2316	-0.000113	0.0	0.0	0.9908	9/9/2009 10:25:11 AM
V 2924	Ni2316	-0.0000237	0.0	0.0	1.000	9/9/2009 10:25:01 AM
Ag3280	Ni2316	-0.0000449	0.0	0.0	0.9996	9/9/2009 10:20:21 AM
Mn2576	Ni2316	-0.0000089	0.0	0.0	0.9999	9/9/2009 10:23:18 AM
Cu3247	Ni2316	0.000012	0.0	0.0	0.9991	9/9/2009 10:22:33 AM
Cr2677	Ni2316	0.0001711	0.0	0.0	1.000	9/9/2009 10:22:23 AM
Co2286	Ni2316	0.000179	0.0	0.0	0.9996	9/9/2009 10:22:14 AM
Cd2265	Ni2316	0.0000311	0.0	0.0	1.000	9/9/2009 10:22:04 AM
Be3130	Ni2316	0.000003	0.0	0.0	0.9988	9/9/2009 10:21:02 AM

# Method report EPA3

Ba4934	Ni2316	0.0000048	0.0	0.0	1.000	9/9/2009 10:26:08 AM
1960/2	Mn2576	0.0004859	0.0	0.0	1.000	9/9/2009 10:19:51 AM
1960/1	Mn2576	-0.0001814	0.0	0.0	1.000	9/9/2009 10:26:00 AM
2203/2	Mn2576	0.0003095	0.0	0.0	1.000	9/9/2009 10:20:08 AM
2203/1	Mn2576	-0.0003363	0.0	0.0	1.000	9/9/2009 10:20:00 AM
Sn1899	Mn2576	-0.0003603	0.0	0.0	1.000	9/9/2009 10:24:40 AM
Si2881	Mn2576	0.0029052	0.0	0.0	1.000	9/9/2009 10:24:30 AM
Pd3404	Mn2576	0.0000889	0.0	0.0	1.000	9/9/2009 10:24:05 AM
Mo2020	Mn2576	-0.0001967	0.0	0.0	1.000	9/9/2009 10:23:29 AM
Na3302	Mn2576	-0.0710726	0.0	0.0	1.000	9/9/2009 10:23:40 AM
K 7664	Mn2576	-0.0266335	0.0	0.0	1.000	9/9/2009 10:22:55 AM
Mg2790	Mn2576	-0.0070594	0.0	0.0	1.000	9/9/2009 10:23:05 AM
Fe2714	Mn2576	0.0002833	0.0	0.0	1.000	9/9/2009 10:22:44 AM
Ca3179	Mn2576	0.0094245	0.0	0.0	1.000	9/9/2009 10:21:52 AM
Al3082	Mn2576	0.0004932	0.0	0.0	1.000	9/9/2009 10:20:32 AM
Sb2068	Mn2576	-0.0002021	0.0	0.0	1.000	9/9/2009 10:24:18 AM
Tl1908	Mn2576	-0.0014767	0.0	0.0	1.000	9/9/2009 10:24:52 AM
As1890	Mn2576	-0.0000192	0.0	0.0	1.000	9/9/2009 10:20:41 AM
Zn2062	Mn2576	0.0002327	0.0	0.0	1.000	9/9/2009 10:25:11 AM
V 2924	Mn2576	0.0001987	0.0	0.0	1.000	9/9/2009 10:25:01 AM
Ag3280	Mn2576	0.0000761	0.0	0.0	1.000	9/9/2009 10:20:21 AM
Ni2316	Mn2576	-0.0000869	0.0	0.0	1.000	9/9/2009 10:23:51 AM
Cu3247	Mn2576	0.0000217	0.0	0.0	1.000	9/9/2009 10:22:34 AM
Cr2677	Mn2576	0.0000616	0.0	0.0	1.000	9/9/2009 10:22:24 AM
Co2286	Mn2576	-0.0000126	0.0	0.0	1.000	9/9/2009 10:22:14 AM
Cd2265	Mn2576	-0.0000071	0.0	0.0	1.000	9/9/2009 10:22:04 AM
Be3130	Mn2576	-0.0000001	0.0	0.0	1.000	9/9/2009 10:21:02 AM
Ba4934	Mn2576	0.0000243	0.0	0.0	1.000	9/9/2009 10:26:08 AM
1960/2	Cu3247	0.0001115	0.0	0.0	1.000	9/9/2009 10:19:52 AM
1960/1	Cu3247	-0.0004007	0.0	0.0	1.000	9/9/2009 10:26:00 AM
2203/2	Cu3247	0.0002166	0.0	0.0	1.000	9/9/2009 10:20:09 AM
2203/1	Cu3247	-0.0002388	0.0	0.0	1.000	9/9/2009 10:20:00 AM
Sn1899	Cu3247	-0.0001602	0.0	0.0	1.000	9/9/2009 10:24:41 AM
Si2881	Cu3247	0.0018999	0.0	0.0	1.000	9/9/2009 10:24:30 AM

# Method report EPA3

Pb3404	Cu3247	0.0001114	0.0	0.0	1.000	9/9/2009 10:24:06 AM
Mo2020	Cu3247	-0.0000066	0.0	0.0	1.000	9/9/2009 10:23:29 AM
Na3302	Cu3247	-0.0419048	0.0	0.0	1.000	9/9/2009 10:23:40 AM
K 7664	Cu3247	-0.0161697	0.0	0.0	1.000	9/9/2009 10:22:55 AM
Mg2790	Cu3247	0.0003571	0.0	0.0	1.000	9/9/2009 10:23:05 AM
Fe2714	Cu3247	0.0005751	0.0	0.0	1.000	9/9/2009 10:22:44 AM
Ca3179	Cu3247	0.0093646	0.0	0.0	1.000	9/9/2009 10:21:52 AM
Al3082	Cu3247	0.0002566	0.0	0.0	1.000	9/9/2009 10:20:33 AM
Sb2068	Cu3247	-0.0000767	0.0	0.0	1.000	9/9/2009 10:24:18 AM
Tl1908	Cu3247	-0.0004538	0.0	0.0	1.000	9/9/2009 10:24:52 AM
As1890	Cu3247	0.0000098	0.0	0.0	1.000	9/9/2009 10:20:41 AM
Zn2062	Cu3247	0.0000311	0.0	0.0	1.000	9/9/2009 10:25:11 AM
V 2924	Cu3247	-0.0000236	0.0	0.0	1.000	9/9/2009 10:25:01 AM
Ag3280	Cu3247	0.0000064	0.0	0.0	1.000	9/9/2009 10:20:21 AM
Ni2316	Cu3247	-0.0000076	0.0	0.0	1.000	9/9/2009 10:23:51 AM
Mn2576	Cu3247	0.0000044	0.0	0.0	1.000	9/9/2009 10:23:18 AM
Cr2677	Cu3247	0.0000256	0.0	0.0	1.000	9/9/2009 10:22:24 AM
Co2286	Cu3247	0.0000008	0.0	0.0	1.000	9/9/2009 10:22:14 AM
Cd2265	Cu3247	-0.0000021	0.0	0.0	1.000	9/9/2009 10:22:04 AM
Be3130	Cu3247	0.0000015	0.0	0.0	1.000	9/9/2009 10:21:03 AM
Ba4934	Cu3247	0.0000183	0.0	0.0	1.000	9/9/2009 10:26:08 AM
1960/2	Cr2677	0.0000472	0.0	0.0	1.000	9/9/2009 10:19:52 AM
1960/1	Cr2677	-0.0004815	0.0	0.0	1.000	9/9/2009 10:26:00 AM
2203/2	Cr2677	0.0001552	0.0	0.0	1.000	9/9/2009 10:20:09 AM
2203/1	Cr2677	-0.0002852	0.0	0.0	1.000	9/9/2009 10:20:00 AM
Sn1899	Cr2677	-0.0002459	0.0	0.0	1.000	9/9/2009 10:24:41 AM
Si2881	Cr2677	-0.0111303	0.0	0.0	1.000	9/9/2009 10:24:30 AM
Pd3404	Cr2677	0.0000242	0.0	0.0	1.000	9/9/2009 10:24:06 AM
Mo2020	Cr2677	-0.0000243	0.0	0.0	1.000	9/9/2009 10:23:29 AM
Na3302	Cr2677	0.204737	0.0	0.0	1.000	9/9/2009 10:23:40 AM
K 7664	Cr2677	-0.0157343	0.0	0.0	1.000	9/9/2009 10:22:55 AM
Mg2790	Cr2677	-0.0001545	0.0	0.0	1.000	9/9/2009 10:23:05 AM
Fe2714	Cr2677	0.0006655	0.0	0.0	1.000	9/9/2009 10:22:44 AM
Ca3179	Cr2677	0.0003892	0.0	0.0	1.000	9/9/2009 10:21:52 AM

# Method report EPA3

Al3082	Cr2677	0.000008	0.0	0.0	1.000	9/9/2009 10:20:33 AM
Sb2068	Cr2677	0.0025415	0.0	0.0	1.000	9/9/2009 10:24:18 AM
Tl1908	Cr2677	-0.0001749	0.0	0.0	1.000	9/9/2009 10:24:52 AM
As1890	Cr2677	-0.0065986	0.0	0.0	1.000	9/9/2009 10:20:42 AM
Zn2062	Cr2677	-0.0011817	0.0	0.0	1.000	9/9/2009 10:25:11 AM
V 2924	Cr2677	-0.0008906	0.0	0.0	1.000	9/9/2009 10:25:01 AM
Ag3280	Cr2677	0.0000084	0.0	0.0	1.000	9/9/2009 10:20:21 AM
Ni2316	Cr2677	-0.0000379	0.0	0.0	1.000	9/9/2009 10:23:52 AM
Mn2576	Cr2677	0.000023	0.0	0.0	1.000	9/9/2009 10:23:18 AM
Cu3247	Cr2677	0.0000453	0.0	0.0	1.000	9/9/2009 10:22:34 AM
Co2286	Cr2677	-0.0000365	0.0	0.0	1.000	9/9/2009 10:22:14 AM
Cd2265	Cr2677	0.0000304	0.0	0.0	1.000	9/9/2009 10:22:04 AM
Be3130	Cr2677	0.0000207	0.0	0.0	1.000	9/9/2009 10:21:03 AM
Ba4934	Cr2677	0.0000174	0.0	0.0	1.000	9/9/2009 10:26:08 AM
1960/2	Co2286	-0.0014939	0.0	0.0	0.9998	9/9/2009 10:19:52 AM
1960/1	Co2286	-0.0001829	0.0	0.0	1.000	9/9/2009 10:26:00 AM
2203/2	Co2286	0.000193	0.0	0.0	1.000	9/9/2009 10:20:09 AM
2203/1	Co2286	-0.001297	0.0	0.0	0.9998	9/9/2009 10:20:00 AM
Sn1899	Co2286	-0.0002413	0.0	0.0	1.000	9/9/2009 10:24:41 AM
Si2881	Co2286	-0.0010317	0.0	0.0	0.9913	9/9/2009 10:24:31 AM
Pd3404	Co2286	-0.0015873	0.0	0.0	0.9998	9/9/2009 10:24:06 AM
Mo2020	Co2286	0.0001542	0.0	0.0	0.9997	9/9/2009 10:23:29 AM
Na3302	Co2286	-0.0514608	0.0	0.0	1.000	9/9/2009 10:23:41 AM
K 7664	Co2286	0.0094343	0.0	0.0	1.000	9/9/2009 10:22:55 AM
Mg2790	Co2286	-0.0015001	0.0	0.0	0.9999	9/9/2009 10:23:05 AM
Fe2714	Co2286	0.0727683	0.0	0.0	0.9984	9/9/2009 10:22:44 AM
Ca3179	Co2286	0.0073472	0.0	0.0	0.930	9/9/2009 10:21:53 AM
Al3082	Co2286	-0.0040493	0.0	0.0	0.5443	9/9/2009 10:20:33 AM
Sb2068	Co2286	-0.000042	0.0	0.0	0.9982	9/9/2009 10:24:18 AM
Tl1908	Co2286	-0.0006392	0.0	0.0	1.000	9/9/2009 10:24:52 AM
As1890	Co2286	-0.0001334	0.0	0.0	0.9998	9/9/2009 10:20:42 AM
Zn2062	Co2286	0.0000825	0.0	0.0	0.9995	9/9/2009 10:25:11 AM
V 2924	Co2286	0.0001121	0.0	0.0	1.000	9/9/2009 10:25:01 AM
Ag3280	Co2286	-0.0000092	0.0	0.0	0.9999	9/9/2009 10:20:21 AM

# Method report EPA3

Ni2316	Co2286	-0.0027939	0.0	0.0	0.9982	9/9/2009 10:23:52 AM
Mn2576	Co2286	0.0000771	0.0	0.0	0.9968	9/9/2009 10:23:18 AM
Cu3247	Co2286	0.0000604	0.0	0.0	0.9997	9/9/2009 10:22:34 AM
Cr2677	Co2286	0.0000446	0.0	0.0	1.000	9/9/2009 10:22:24 AM
Cd2265	Co2286	-0.0000214	0.0	0.0	0.9999	9/9/2009 10:22:04 AM
Be3130	Co2286	-0.0000148	0.0	0.0	0.9964	9/9/2009 10:21:03 AM
Ba4934	Co2286	0.0000038	0.0	0.0	0.9998	9/9/2009 10:26:08 AM
1960/2	Cd2265	-0.0007334	0.0	0.0	0.9997	9/9/2009 10:19:52 AM
1960/1	Cd2265	0.00011	0.0	0.0	0.9999	9/9/2009 10:26:00 AM
2203/2	Cd2265	0.0000718	0.0	0.0	1.000	9/9/2009 10:20:09 AM
2203/1	Cd2265	-0.0022824	0.0	0.0	0.9999	9/9/2009 10:20:00 AM
Sn1899	Cd2265	-0.0001736	0.0	0.0	0.9999	9/9/2009 10:24:41 AM
Si2881	Cd2265	-0.0006869	0.0	0.0	0.9938	9/9/2009 10:24:31 AM
Pd3404	Cd2265	-0.0000513	0.0	0.0	0.987	9/9/2009 10:24:06 AM
Mo2020	Cd2265	-0.000262	0.0	0.0	1.000	9/9/2009 10:23:29 AM
Na3302	Cd2265	-0.0758022	0.0	0.0	1.000	9/9/2009 10:23:41 AM
K 7664	Cd2265	-0.0000143	0.0	0.0	1.000	9/9/2009 10:22:55 AM
Mg2790	Cd2265	-0.0005066	0.0	0.0	0.9999	9/9/2009 10:23:05 AM
Fe2714	Cd2265	0.00004	0.0	0.0	1.000	9/9/2009 10:22:45 AM
Ca3179	Cd2265	0.0035771	0.0	0.0	1.000	9/9/2009 10:21:53 AM
Al3082	Cd2265	-0.003158	0.0	0.0	0.584	9/9/2009 10:20:33 AM
Sb2068	Cd2265	-0.0008681	0.0	0.0	0.998	9/9/2009 10:24:19 AM
Tl1908	Cd2265	-0.0009251	0.0	0.0	1.000	9/9/2009 10:24:52 AM
As1890	Cd2265	-0.000163	0.0	0.0	0.9998	9/9/2009 10:20:42 AM
Zn2062	Cd2265	-0.0000274	0.0	0.0	0.9985	9/9/2009 10:25:11 AM
V 2924	Cd2265	-0.0001347	0.0	0.0	1.000	9/9/2009 10:25:01 AM
Ag3280	Cd2265	-0.0000402	0.0	0.0	0.9993	9/9/2009 10:20:22 AM
Ni2316	Cd2265	-0.0001801	0.0	0.0	0.9999	9/9/2009 10:23:52 AM
Mn2576	Cd2265	-0.0000137	0.0	0.0	0.9996	9/9/2009 10:23:18 AM
Cu3247	Cd2265	0.0002309	0.0	0.0	0.9993	9/9/2009 10:22:34 AM
Cr2677	Cd2265	-0.0002283	0.0	0.0	0.9999	9/9/2009 10:22:24 AM
Co2286	Cd2265	-0.0000816	0.0	0.0	0.9994	9/9/2009 10:22:14 AM
Be3130	Cd2265	0.0000697	0.0	0.0	0.9789	9/9/2009 10:21:03 AM
Ba4934	Cd2265	0.0000065	0.0	0.0	0.9997	9/9/2009 10:26:08 AM

# Method report EPA3

1960/2	Be3130	-0.0006117	0.0	0.0	0.9997	9/9/2009 10:19:52 AM
1960/1	Be3130	-0.0000361	0.0	0.0	1.000	9/9/2009 10:26:00 AM
2203/2	Be3130	0.0008301	0.0	0.0	1.000	9/9/2009 10:20:09 AM
2203/1	Be3130	-0.0017443	0.0	0.0	0.9999	9/9/2009 10:20:00 AM
Sn1899	Be3130	-0.0003691	0.0	0.0	1.000	9/9/2009 10:24:41 AM
Si2881	Be3130	-0.000503	0.0	0.0	1.000	9/9/2009 10:24:31 AM
Pd3404	Be3130	-0.0000775	0.0	0.0	0.9967	9/9/2009 10:24:06 AM
Mo2020	Be3130	-0.0002387	0.0	0.0	0.9999	9/9/2009 10:23:29 AM
Na3302	Be3130	-0.0747611	0.0	0.0	1.000	9/9/2009 10:23:41 AM
K 7664	Be3130	0.0000246	0.0	0.0	1.000	9/9/2009 10:22:55 AM
Mg2790	Be3130	-0.000178	0.0	0.0	1.000	9/9/2009 10:23:05 AM
Fe2714	Be3130	0.0012613	0.0	0.0	1.000	9/9/2009 10:22:45 AM
Ca3179	Be3130	0.0095359	0.0	0.0	0.8658	9/9/2009 10:21:53 AM
Al3082	Be3130	-0.002699	0.0	0.0	0.7138	9/9/2009 10:20:33 AM
Sb2068	Be3130	-0.0005803	0.0	0.0	0.9987	9/9/2009 10:24:19 AM
Tl1908	Be3130	-0.0008148	0.0	0.0	1.000	9/9/2009 10:24:53 AM
As1890	Be3130	-0.000189	0.0	0.0	0.9998	9/9/2009 10:20:42 AM
Zn2062	Be3130	-0.0000099	0.0	0.0	0.9976	9/9/2009 10:25:11 AM
V 2924	Be3130	-0.0000895	0.0	0.0	1.000	9/9/2009 10:25:01 AM
Ag3280	Be3130	-0.0000189	0.0	0.0	0.9998	9/9/2009 10:20:22 AM
Ni2316	Be3130	-0.0002459	0.0	0.0	0.9999	9/9/2009 10:23:52 AM
Mn2576	Be3130	-0.0000104	0.0	0.0	0.9999	9/9/2009 10:23:18 AM
Cu3247	Be3130	0.0002196	0.0	0.0	0.9988	9/9/2009 10:22:34 AM
Cr2677	Be3130	-0.000034	0.0	0.0	1.000	9/9/2009 10:22:24 AM
Co2286	Be3130	-0.0000192	0.0	0.0	0.9999	9/9/2009 10:22:14 AM
Cd2265	Be3130	-0.0000092	0.0	0.0	1.000	9/9/2009 10:22:04 AM
Ba4934	Be3130	0.0000079	0.0	0.0	0.9996	9/9/2009 10:26:08 AM
1960/2	Ba4934	-0.0012301	0.0	0.0	1.000	9/9/2009 10:19:52 AM
1960/1	Ba4934	0.0000371	0.0	0.0	1.000	9/9/2009 10:26:00 AM
2203/2	Ba4934	-0.0007126	0.0	0.0	0.9999	9/9/2009 10:20:09 AM
2203/1	Ba4934	-0.0012106	0.0	0.0	0.9998	9/9/2009 10:20:00 AM
Sn1899	Ba4934	-0.0001706	0.0	0.0	1.000	9/9/2009 10:24:41 AM
Si2881	Ba4934	0.0013202	0.0	0.0	0.9988	9/9/2009 10:24:31 AM
Pd3404	Ba4934	0.0000399	0.0	0.0	0.9988	9/9/2009 10:24:06 AM

# Method report EPA3

Mo2020	Ba4934	-0.0001981	0.0	0.0	1.000	9/9/2009 10:23:29 AM
Na3302	Ba4934	-0.0757918	0.0	0.0	1.000	9/9/2009 10:23:41 AM
K 7664	Ba4934	0.0021077	0.0	0.0	1.000	9/9/2009 10:22:55 AM
Mg2790	Ba4934	-0.000389	0.0	0.0	0.9998	9/9/2009 10:23:05 AM
Fe2714	Ba4934	-0.00035	0.0	0.0	0.9998	9/9/2009 10:22:45 AM
Ca3179	Ba4934	0.0124507	0.0	0.0	0.9717	9/9/2009 10:21:53 AM
Al3082	Ba4934	0.0973182	0.0	0.0	1.5101	9/9/2009 10:20:33 AM
Sb2068	Ba4934	-0.0005049	0.0	0.0	0.9988	9/9/2009 10:24:19 AM
Tl1908	Ba4934	-0.0007812	0.0	0.0	1.000	9/9/2009 10:24:53 AM
As1890	Ba4934	-0.0001487	0.0	0.0	1.000	9/9/2009 10:20:42 AM
Zn2062	Ba4934	0.0007094	0.0	0.0	0.9116	9/9/2009 10:25:12 AM
V 2924	Ba4934	-0.0000459	0.0	0.0	1.000	9/9/2009 10:25:01 AM
Ag3280	Ba4934	0.0000012	0.0	0.0	1.000	9/9/2009 10:20:22 AM
Ni2316	Ba4934	-0.0000276	0.0	0.0	0.9998	9/9/2009 10:23:52 AM
Mn2576	Ba4934	0.0000299	0.0	0.0	0.9999	9/9/2009 10:23:18 AM
Cu3247	Ba4934	0.0000694	0.0	0.0	0.9999	9/9/2009 10:22:34 AM
Cr2677	Ba4934	-0.0000169	0.0	0.0	0.9999	9/9/2009 10:22:24 AM
Co2286	Ba4934	0.0004886	0.0	0.0	0.9988	9/9/2009 10:22:14 AM
Cd2265	Ba4934	-0.0000212	0.0	0.0	1.000	9/9/2009 10:22:04 AM
Be3130	Ba4934	-0.000016	0.0	0.0	0.9982	9/9/2009 10:21:03 AM



Aqueous Digestion Log MP Batch ID: MP50217

ICP DIGESTION METHOD: SW846 3010A

Heating Method (circle one): Digestion Block / Hot Plates

Method Blank ID: <u>MP50217</u>	Prep Date: <u>0/26/09</u>
Lab Control/Spike Blank ID:	Start Time: <u>10:00</u> Start Temp: <u>94+0=94</u> Thermometer ID #: <u>111</u>
Lab Control Source:	End Time: <u>4:00</u> End Temp: <u>93+0=94</u>
DUP 1 Sample ID:	Acceptable temperature Ranges: EPA 200.7 90 to 95 deg. C SW846 3010A, 3020A, 3050B 90 to 95 deg. C
DUP 2 Sample ID:	
MS 1 Sample ID: <u>JA30201-3(S,S)</u>	
MS 2 Sample ID: <u>JA30201-3F(S,S)</u>	

Note: Serial dilution shown for QC tracking only. Not a separate digestate.

Sample ID	Pres Y/N	Initial Sample Volume	Final Volume in ML	Acids Used		Spikes Used		Comments
				Amount and Name	Added - Y or N	Amount and Name	Added - Y or N	
MP50217 -MB	N	50ml	50ml	3.0 ml conc. HNO3	Y			
MP50217 -LC	Y			5.0 ml 1:1 HCL	Y			
MP50217 -S <sub>1</sub> S <sub>2</sub>						0.50 ml SP, 0.50 ml MIN1	Y	
MP50217 -S <sub>2</sub> S <sub>4</sub>						0.50 ml SP, 0.50 ml MIN1	Y	
MP50217 -SD <sub>1</sub> -SD <sub>2</sub>								
1 JA30201-1								
2 JA30201-2								
3 JA30201-3								
4 JA30201-4								
5 JA30201-5								
6 JA30201-6								
7 JA30201-7								
8 JA30201-8								
9 JA30201-9								
10 JA30201-1F								
11 JA30201-2F								
12 JA30201-3F								
13 JA30201-4F								
14 JA30201-5F								
15 JA30201-6F								
16 JA30201-7F								
17 JA30201-8F								
18 JA30372-1								
19 JA30372-2								
20 <u>                  </u> = 10(=WPP)								
JA30201-FR	N							

Analyst: R. A. Patel 10/26/09 QC Reviewer: [Signature] 10/26/09 RP 10/26/09

Form AA-018A (3010A)  
Rev. Date: 01/12/09

6.2.1  
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## General Chemistry

### QC Data Summaries

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Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries
- Instrument Runlogs/QC

METHOD BLANK AND SPIKE RESULTS SUMMARY  
GENERAL CHEMISTRY

Login Number: JA30201  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Chromium, Hexavalent	GN31097	0.010	0.0	mg/l				
Chromium, Hexavalent	GN31097	0.010	0.0	mg/l	.15	0.15	100.0	90-110%
Chromium, Hexavalent	GN31097			mg/l	.15	0.15	100.0	90-110%
Total Organic Carbon	GP51160/GN31309	1.0	0.0	mg/l	10	10.4	104.0	90-110%

Associated Samples:

Batch GN31097: JA30201-1, JA30201-1F, JA30201-2, JA30201-2F, JA30201-3, JA30201-3F, JA30201-4, JA30201-4F, JA30201-5, JA30201-5F, JA30201-6, JA30201-6F, JA30201-7, JA30201-7F, JA30201-8, JA30201-8F, JA30201-9

Batch GP51160: JA30201-1, JA30201-2, JA30201-3, JA30201-4, JA30201-5, JA30201-6, JA30201-7, JA30201-8, JA30201-9

(\*) Outside of QC limits

7.1  
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DUPLICATE RESULTS SUMMARY  
GENERAL CHEMISTRY

Login Number: JA30201  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Chromium, Hexavalent	GN31097	JA30201-3	mg/l	0.0	0.0	0.0	0-20%
Chromium, Hexavalent	GN31097	JA30201-3F	mg/l	0.0	0.0	0.0	0-20%
Total Organic Carbon	GP51160/GN31309	JA30201-3	mg/l	2.0	2.2	9.5	0-33%

Associated Samples:

Batch GN31097: JA30201-1, JA30201-1F, JA30201-2, JA30201-2F, JA30201-3, JA30201-3F, JA30201-4, JA30201-4F, JA30201-5, JA30201-5F, JA30201-6, JA30201-6F, JA30201-7, JA30201-7F, JA30201-8, JA30201-8F, JA30201-9

Batch GP51160: JA30201-1, JA30201-2, JA30201-3, JA30201-4, JA30201-5, JA30201-6, JA30201-7, JA30201-8, JA30201-9

(\* ) Outside of QC limits

7.2  
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MATRIX SPIKE RESULTS SUMMARY  
GENERAL CHEMISTRY

Login Number: JA30201  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chromium, Hexavalent	GN31097	JA30201-3	mg/l	0.0	.15	0.063	42.0N(a)	85-115%
Chromium, Hexavalent	GN31097	JA30201-3F	mg/l	0.0	.15	0.049	32.7N(b)	85-115%
Total Organic Carbon	GP51160/GN31309	JA30201-3	mg/l	2.0	10	11.9	99.0	77-122%

Associated Samples:

Batch GN31097: JA30201-1, JA30201-1F, JA30201-2, JA30201-2F, JA30201-3, JA30201-3F, JA30201-4, JA30201-4F, JA30201-5, JA30201-5F, JA30201-6, JA30201-6F, JA30201-7, JA30201-7F, JA30201-8, JA30201-8F, JA30201-9

Batch GP51160: JA30201-1, JA30201-2, JA30201-3, JA30201-4, JA30201-5, JA30201-6, JA30201-7, JA30201-8, JA30201-9

(\*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(a) Spike recovery indicates possible matrix interference. Good pH adjusted post spike recovery (101%). Good agreement between the sample and 1:5 dilution.

(b) Spike recovery indicates possible matrix interference. Good pH adjusted post spike recovery (98 %). Good agreement between the sample and 1:5 dilution.

7.3

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Accutest Laboratories Instrument Runlog  
Inorganics Analyses

Login Number: JA30201  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: C91017W1.TXT                      Date Analyzed: 10/17/09                      Methods: SM20 5310B, 9060 M  
Analyst: SJG                                      Run ID: GN31309  
Parameters: Total Organic Carbon

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:46	GN31309-STD1	1		STDA
15:13	GN31309-STD2	1		STDB
15:32	GN31309-STD3	1		STDC
15:52	GN31309-STD4	1		STDD
16:12	GN31309-STD5	1		STDE
16:32	GN31309-STD6	1		STDF
16:53	GN31309-STD7	1		STDG
08:27	GN31309-CRI1	1		Average of three passing injections
08:45	GN31309-HSTD1	1		
09:39	GN31309-ICV1	1		
11:43	GN31309-ICB1	1		
12:01	GN31309-CCV1	1		
12:18	GN31309-CCB1	1		
12:32	ZZZZZZ	1		
13:47	GP51110-MB2	1		
13:47	GP51139-MB2	1		Sample shown for QC tracking purposes only.
13:47	GP51112-MB2	1		Sample shown for QC tracking purposes only.
13:47	GP51111-MB2	1		Sample shown for QC tracking purposes only.
14:02	GP51110-B2	1		
14:02	GP51139-B2	1		Sample shown for QC tracking purposes only.
14:02	GP51112-B2	1		Sample shown for QC tracking purposes only.
14:02	GP51111-B2	1		Sample shown for QC tracking purposes only.
14:18	ZZZZZZ	1		
14:36	ZZZZZZ	1		
14:52	ZZZZZZ	1		
15:07	ZZZZZZ	1		
15:23	ZZZZZZ	1		
15:38	GN31309-CCV2	1		
15:56	GN31309-CCB2	1		
16:11	ZZZZZZ	5		
16:27	ZZZZZZ	1		
16:45	ZZZZZZ	5		
17:01	ZZZZZZ	10		

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Accutest Laboratories Instrument Runlog  
Inorganics Analyses

Login Number: JA30201  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: C91017W1.TXT Date Analyzed: 10/17/09 Methods: SM20 5310B, 9060 M  
Analyst: SJG Run ID: GN31309  
Parameters: Total Organic Carbon

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:19	ZZZZZZ	3		
17:34	ZZZZZZ	10		
17:50	ZZZZZZ	1		
18:06	GN31309-CCV3	1		
18:21	GN31309-CCB3	1		
18:35	GP51159-MB1	1		
18:50	GP51159-B1	1		
19:06	GP51159-D1	1		
19:21	GP51159-S1	1		
19:36	JA29860-1	1		(sample used for QC only; not part of login JA30201)
19:54	ZZZZZZ	1		
20:11	ZZZZZZ	1		
20:26	ZZZZZZ	1		
20:42	ZZZZZZ	1		
20:58	ZZZZZZ	1		
21:14	GN31309-CCV4	1		
21:30	GN31309-CCB4	1		
21:45	ZZZZZZ	1		
22:04	ZZZZZZ	1		
22:20	ZZZZZZ	1		
22:35	ZZZZZZ	1		
22:50	ZZZZZZ	1		
23:05	ZZZZZZ	1		
23:22	ZZZZZZ	1		
23:37	ZZZZZZ	1		
23:55	ZZZZZZ	1		
00:11	ZZZZZZ	5		
00:26	GN31309-CCV5	1		
00:44	GN31309-CCB5	1		
01:00	GP51160-MB1	1		
01:15	GP51160-B1	1		
01:30	GP51160-D1	1		
01:46	GP51160-S1	1		

7.4  
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Accutest Laboratories Instrument Runlog  
Inorganics Analyses

Login Number: JA30201  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: C91017W1.TXT                      Date Analyzed: 10/17/09                      Methods: SM20 5310B, 9060 M  
Analyst: SJG                                      Run ID: GN31309  
Parameters: Total Organic Carbon

Time	Sample Description	Dilution Factor	PS Recov	Comments
02:01	JA30201-3	1		
02:16	JA30201-1	1		
02:32	JA30201-2	1		
02:47	JA30201-4	1		
03:02	JA30201-5	1		
03:19	JA30201-6	1		
03:35	GN31309-CCV6	1		
03:50	GN31309-CCB6	1		
04:07	JA30201-7	1		
04:22	JA30201-8	1		
04:39	JA30201-9	1		
04:56	ZZZZZZ	1		
05:11	ZZZZZZ	1		
05:26	ZZZZZZ	1		
05:44	ZZZZZZ	5		
06:00	ZZZZZZ	5		
06:15	ZZZZZZ	1		
06:31	ZZZZZZ	1		
06:47	GN31309-CCV7	1		Average of three passing injections
07:05	GN31309-CCB7	1		
07:24	ZZZZZZ	1		
07:42	ZZZZZZ	20		
07:57	ZZZZZZ	1		
08:16	ZZZZZZ	1		
08:31	GN31309-CCV8	1		
08:46	GN31309-CCB8	1		

Refer to raw data for calibration curve and standards.

7.4  
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Instrument QC Summary  
Inorganics Analyses

Login Number: JA30201  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: C91017W1.TXT

Date Analyzed: 10/17/09  
Run ID: GN31309

Methods: SM20 5310B, 9060 M  
Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN31309-CRI1	Total Organic Carbon	0.86	1.0	0.33	1	86.0	70-130
GN31309-HSTD1	Total Organic Carbon	28.8	1.0	0.33	30	96.0	90-110
GN31309-ICV1	Total Organic Carbon	18.7	1.0	0.33	20	93.5	90-110
GN31309-ICB1	Total Organic Carbon	0.33 U	1.0	0.33			
GN31309-CCV1	Total Organic Carbon	14.3	1.0	0.33	15	95.3	90-110
GN31309-CCB1	Total Organic Carbon	0.33 U	1.0	0.33			
GN31309-CCV2	Total Organic Carbon	14.6	1.0	0.33	15	97.3	90-110
GN31309-CCB2	Total Organic Carbon	0.33 U	1.0	0.33			
GN31309-CCV3	Total Organic Carbon	14.7	1.0	0.33	15	98.0	90-110
GN31309-CCB3	Total Organic Carbon	0.33 U	1.0	0.33			
GN31309-CCV4	Total Organic Carbon	14.8	1.0	0.33	15	98.7	90-110
GN31309-CCB4	Total Organic Carbon	0.33 U	1.0	0.33			
GN31309-CCV5	Total Organic Carbon	14.6	1.0	0.33	15	97.3	90-110
GN31309-CCB5	Total Organic Carbon	0.33 U	1.0	0.33			
GN31309-CCV6	Total Organic Carbon	14.5	1.0	0.33	15	96.7	90-110
GN31309-CCB6	Total Organic Carbon	0.33 U	1.0	0.33			
GN31309-CCV7	Total Organic Carbon	14.8	1.0	0.33	15	98.7	90-110
GN31309-CCB7	Total Organic Carbon	0.33	1.0	0.33			
GN31309-CCV8	Total Organic Carbon	14.6	1.0	0.33	15	97.3	90-110
GN31309-CCB8	Total Organic Carbon	0.33 U	1.0	0.33			

(!) Outside of QC limits

7.4  
7





## General Chemistry

Raw Data







Test: Hexavalent Chromium  
 Product: XCr  
 Method: SW846 7196A (NJDEP mod)

MDL = 0.002 mg/l  
 RDL = 0.010 mg/l

GNBatch ID: GN37097  
 Date: 10/12/09

**Digestion Batch QC Summary** Units = mg/l

Method Blank ID: MB1 Date: 10/12/09 Result: <0.010 RDL: 0.010 <RDL: YES

Spike Blank ID: B1 Date: ↓ Result: 0.157 Spike: 0.150 %Rec.: 100.7%

Duplicate ID: (D) JA30214-2 Samp. Result: <0.010 Dup. Result: <0.010 %RPD: 0

MS ID: (S1) Samp. Result: <0.010 MS Result: 0.098 Spike: 0.150 %Rec.: 65.3%

Diluted Sample ID: ↓ Samp. Result: <0.010 Dil. Result: <0.010 %RPD: 0

pH adj. PS ID: ↓ Samp. Result: <0.010 MS Result: 0.157 Spike: 0.150 %Rec.: 100.7%

**Analysis Batch QC Summary** Units = mg/l

CCV: <u>10/12/09</u>	Result: <u>0.501</u>	TV: <u>0.500</u>	%Rec.: <u>100%</u>
CCV: <u>↓</u>	Result: <u>0.499</u>	TV: <u>↓</u>	%Rec.: <u>99.8%</u>
CCV: <u>↓</u>	Result: <u>0.499</u>	TV: <u>↓</u>	%Rec.: <u>99.8%</u>
CCV: <u>↓</u>	Result: <u>0.501</u>	TV: <u>↓</u>	%Rec.: <u>100%</u>
CCV: <u>↓</u>	Result: <u>0.501</u>	TV: <u>↓</u>	%Rec.: <u>100%</u>
CCV: <u>↓</u>	Result: <u>0.499</u>	TV: <u>↓</u>	%Rec.: <u>99.8%</u>

CCB: <u>10/12/09</u>	Result: <u>&lt;0.010</u>	RDL: <u>0.010</u>	<RDL: <u>YES</u>
CCB: <u>↓</u>	Result: <u>↓</u>	RDL: <u>↓</u>	<RDL: <u>↓</u>
CCB: <u>↓</u>	Result: <u>↓</u>	RDL: <u>↓</u>	<RDL: <u>↓</u>
CCB: <u>↓</u>	Result: <u>↓</u>	RDL: <u>↓</u>	<RDL: <u>↓</u>
CCB: <u>↓</u>	Result: <u>↓</u>	RDL: <u>↓</u>	<RDL: <u>↓</u>
CCB: <u>↓</u>	Result: <u>↓</u>	RDL: <u>↓</u>	<RDL: <u>↓</u>

**Reagent Reference Numbers:** SEE ATTACHED

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**Initial Calibration Source:**

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**Continuing Calibration Source:**

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Analyst: RA Date: 10/12/09

Comments: \_\_\_\_\_

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8.1.1  
 8



Test: Hexavalent Chromium  
 Product: XCr  
 Method: SW846 7196A (NJDEP mod)

MDL = 0.002 mg/l  
 RDL = 0.010 mg/l

GNBatch ID: GN 37097  
 Date: 10/12/09

**Digestion Batch QC Summary**

Units = mg/l

Method Blank ID:        /        /        Date:        /        /        Result:        /        /        RDL:        /        /        <RDL:        /        /         
 Spike Blank ID:        /        /        Date:        /        /        Result:        /        /        Spike:        /        /        %Rec.:        /        /         
 Duplicate ID: (02) JA 30216-4 Samp. Result: <0.010 Dup. Result: <0.010 %RPD: 8  
 MS ID: (52) ↓ Samp. Result: <0.010 MS Result: 0.035 Spike: 0.150 %Rec.: 23.3%  
 Diluted Sample ID:        ↓ Samp. Result: <0.010 Dil. Result: <0.010 %RPD: 8  
 pH adj. PS ID:        ↓ Samp. Result: <0.010 MS Result: 0.139 Spike: 0.150 %Rec.: 92.7%

**Analysis Batch QC Summary**

Units = mg/l

CCV: 10/12/09 Result: 0.499 TV: 0.500 %Rec.: 99.8%  
 CCV:        ↓ Result: 0.498 TV:        %Rec.: 99.6%  
 CCV:        ↓ Result: 0.498 TV:        %Rec.: 99.6%  
 CCV:        ↓ Result: 0.499 TV:        %Rec.: 99.8%  
 CCV:        ↓ Result: 0.499 TV:        %Rec.: 99.8%  
 CCV:        ↓ Result:        TV:        %Rec.:         
 CCB: 10/12/09 Result: <0.010 RDL: 0.010 <RDL: YES  
 CCB:        ↓ Result:        RDL:        <RDL:         
 CCB:        ↓ Result:        RDL:        <RDL:         
 CCB:        ↓ Result:        RDL:        <RDL:         
 CCB:        ↓ Result:        RDL:        <RDL:         
 CCB:        ↓ Result:        RDL:        <RDL:       

**Reagent Reference Numbers:**

SEE ATTACHED

**Initial Calibration Source:**

**Continuing Calibration Source:**

Analyst: RA Date: 10/12/09

Comments: \_\_\_\_\_  
 \_\_\_\_\_

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Test: Hexavalent Chromium  
 Product: XCr  
 Method: SW846 7196A (NJDEP mod)

MDL = 0.002 mg/l  
 RDL = 0.010 mg/l

GNBatch ID: GN 21097  
 Date: 10/12/09

**Digestion Batch QC Summary**

Units = mg/l

Method Blank ID: MB2 Date: 10/12/09 Result: <0.010 RDL: 0.010 <RDL: YES  
 Spike Blank ID: B2 Date: ↓ Result: 0.100 Spike: 0.150 %Rec.: 100%  
 Duplicate ID: JA 30201-3 Samp. Result: <0.010 Dup. Result: <0.010 %RPD: 0  
 MS ID: ② Samp. Result: <0.010 MS Result: 0.063 Spike: 0.150 %Rec.: 42%  
 Diluted Sample ID: ↓ Samp. Result: <0.010 Dil. Result: <0.010 %RPD: 0  
 pH adj. PS ID: ↓ Samp. Result: <0.010 MS Result: 0.151 Spike: 0.150 %Rec.: 100.7%

**Analysis Batch QC Summary**

Units = mg/l

CCV: \_\_\_\_\_ Result: \_\_\_\_\_ TV: \_\_\_\_\_ %Rec.: \_\_\_\_\_  
 CCV: \_\_\_\_\_ Result: \_\_\_\_\_ TV: \_\_\_\_\_ %Rec.: \_\_\_\_\_  
 CCV: \_\_\_\_\_ Result: \_\_\_\_\_ TV: \_\_\_\_\_ %Rec.: \_\_\_\_\_  
 CCV: \_\_\_\_\_ Result: \_\_\_\_\_ TV: \_\_\_\_\_ %Rec.: \_\_\_\_\_  
 CCV: \_\_\_\_\_ Result: \_\_\_\_\_ TV: \_\_\_\_\_ %Rec.: \_\_\_\_\_  
 CCV: \_\_\_\_\_ Result: \_\_\_\_\_ TV: \_\_\_\_\_ %Rec.: \_\_\_\_\_  
 CCB: \_\_\_\_\_ Result: \_\_\_\_\_ RDL: \_\_\_\_\_ <RDL: \_\_\_\_\_  
 CCB: \_\_\_\_\_ Result: \_\_\_\_\_ RDL: \_\_\_\_\_ <RDL: \_\_\_\_\_  
 CCB: \_\_\_\_\_ Result: \_\_\_\_\_ RDL: \_\_\_\_\_ <RDL: \_\_\_\_\_  
 CCB: \_\_\_\_\_ Result: \_\_\_\_\_ RDL: \_\_\_\_\_ <RDL: \_\_\_\_\_  
 CCB: \_\_\_\_\_ Result: \_\_\_\_\_ RDL: \_\_\_\_\_ <RDL: \_\_\_\_\_  
 CCB: \_\_\_\_\_ Result: \_\_\_\_\_ RDL: \_\_\_\_\_ <RDL: \_\_\_\_\_

**Reagent Reference Numbers:**

SEE ATTACHED

**Initial Calibration Source:**

**Continuing Calibration Source:**

Analyst: RA Date: 10/12/09

Comments: \_\_\_\_\_

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Test: Hexavalent Chromium  
 Product: XCr  
 Method: SW846 7196A (NJDEP mod)

MDL = 0.002 mg/l  
 RDL = 0.010 mg/l

GNBatch ID: GN 37094  
 Date: 10/12/09

**Digestion Batch QC Summary**

Units = mg/l

Method Blank ID:       /       Date:       /       Result:       /       RDL:       /       <RDL:       /        
 Spike Blank ID:        Date:        Result:        Spike:        %Rec.:         
 Duplicate ID: (D4) JA30201-3F Samp. Result: <0.010 Dup. Result: <0.010 %RPD: 0  
 MS ID: (S4) Samp. Result: <0.010 MS Result: 0.049 Spike: 0.150 %Rec.: 32.7%  
 Diluted Sample ID:        Samp. Result: <0.010 Dil. Result: <0.010 %RPD: 6  
 pH adj. PS ID:        Samp. Result: <0.010 MS Result: 0.147 Spike: 0.150 %Rec.: 98%

**Analysis Batch QC Summary**

Units = mg/l

CCV:        Result:        TV:        %Rec.:         
 CCV:        Result:        TV:        %Rec.:         
 CCV:        Result:        TV:        %Rec.:         
 CCV:        Result:        TV:        %Rec.:         
 CCV:        Result:        TV:        %Rec.:         
 CCV:        Result:        TV:        %Rec.:         
 CCB:        Result:        RDL:        <RDL:         
 CCB:        Result:        RDL:        <RDL:         
 CCB:        Result:        RDL:        <RDL:         
 CCB:        Result:        RDL:        <RDL:         
 CCB:        Result:        RDL:        <RDL:         
 CCB:        Result:        RDL:        <RDL:       

**Reagent Reference Numbers:**

SEE ATTACHED

**Initial Calibration Source:**

**Continuing Calibration Source:**

Analyst: RA Date: 10/12/09

Comments:       

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**Hexavalent Chromium pH Adjustment Log**

Method: SW846 7196A (NJDEP mod)

pH adj. start time:

1916 ° 2021

pH Adjust. Date: 10/12/09

pH adj. end time:

1940 ° 2020

GN Batch ID: GN31097

Sample ID	Initial Sample Volume (ml)	Final Volume (ml)	pH after H2SO4	bkg pH after H2SO4	Spike Info	Comments
CCV	45	50	1.84	—	5 ML	5 PPM ULTRA
CCV						
CCV						
CCV						
CCB	45	50	2.06	—		
CCB						
CCB						
CCB						
MS JA 30214-2	45	50	1.87	1.77	1 ML	7.5 PPM ABSOLUTE
DUP ↓			1.82	1.77		
SB FI			1.80	1.85	1 ML	7.5 PPM ABSOLUTE
PB MBI			2.06	1.82		
1. JA 30214-1			2.01	1.89		
2. ↓ -2			1.92	1.97		
3. JA 30216-4			1.96	1.90	1 ML	7.5 PPM ABSOLUTE
4. ↓			2.02	1.94		
5. JA 30216-4			1.88	1.89		
6. -5			1.81	1.84		
7. -6			1.95	1.91		
8. -7			2.07	1.85		
9. ↓ -9			1.99	1.80		
10.						
11.						
12.						
13.						
14.						
15. (PS) JA 30214-2	45	50	1.84	1.80 (pH = 8.26)	1 ML	7.5 PPM ABSOLUTE
16. (DIL) ↓	45	50	1.91	1.76	1:5	DIL.
17.						
18. (PS) JA 30216-4	45	50	1.90	1.77 (pH = 8.09)	1 ML	7.5 PPM ABSOLUTE
19. (DIL) ↓	45	50	1.88	1.79	1:5	DIL.
20.						
PS						
DIL						
DIL						

Reagent Information: SEE ATTACHED.

Analyst: RA Date: 10/12/09 QC Reviewer: \_\_\_\_\_ Date: \_\_\_\_\_

Form: GN-077  
Rev. Date: 2/11/99

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**Hexavalent Chromium pH Adjustment Log**

Method: SW846 7196A (NJDEP mod)

pH adj. start time: 2055  
 pH adj. end time: 2123

pH Adjust. Date: 10/12/09  
 GN Batch ID: SN 31097

Sample ID	Initial Sample Volume (ml)	Final Volume (ml)	pH after H2SO4	bkg pH after H2SO4	Spike Info	Comments
CCV	45	50	2.10	-	5 ML	5 PPM ULTRA
CCV						
CCV						
CCV						
CCB	45	50	2.07	-		
CCB						
CCB						
CCB						
MS JA30201-3	45	50	1.92	1.75	1 ML	7.5 PPM ABSOLUTE
DUP ↓			1.97	1.75		
SB			1.84	1.85	1 ML	7.5 PPM ABSOLUTE
PB			2.07	1.89		
1. JA30201-1			1.95	1.80		
2. -2			1.90	1.76		
3. -3			1.85	1.77		
4. -4			1.87	1.82		
5. -5			1.95	1.80		
6. -6			1.87	1.76		
7. -7			1.85	1.85		
8. -8			1.88	1.82		
9. -9			2.11	1.95		
10. -1F			1.94	1.81		
11. -2F			1.98	1.72		
12. -3F			1.94	1.80	1 ML	7.5 PPM ABSOLUTE
13. -3F			1.90	1.80		
14. -3F			1.88	1.84		
15. -4F			1.85	1.82		
16. -5F			1.81	1.95		
17. -6F			1.79	1.97		
18. -7F			1.92	1.97		
19. ↓ -8F ↓ ↓			1.94	2.04		
20. ↓ -8 ↓ ↓	45	50	1.91	1.95		1: 500 DIL.
PS ↓ -8F ↓ ↓	45	50	1.82	1.87		1: 500 DIL.
DIL						
DIL						

ALL LAB FILTERED.

Reagent Information: SEE ATTACHED.

Analyst: RA Date: 10/12/09 QC Reviewer: \_\_\_\_\_ Date: \_\_\_\_\_

Form: GN-077  
 Rev. Date: 2/11/99

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**Hexavalent Chromium pH Adjustment Log**

**Method: SW846 7196A (NJDEP mod)**

pH adj. start time: 2212  
 pH adj. end time: 2220

pH Adjust. Date: 10/12/09  
 GN Batch ID: GNB1097

Sample ID	Initial Sample Volume (ml)	Final Volume (ml)	pH after H2SO4	bkg pH after H2SO4	Spike Info	Comments
CCV						
CCV						
CCV						
CCV						
CCB						
CCB						
CCB						
CCB						
MS						
DUP						
SB						
PB						
1. (PS) JA30201-3	45	50	1.84	1.81	(pH = 8.32)	1 ML 7.5 ppm ABSOLUTE
2. (DIL) ↓	↓	↓	1.82	1.90		
3.						
4. (PS) JA30201-3F	↓	↓	1.76	1.84	(pH = 8.09)	1 ML 7.5 ppm ABSOLUTE
5. (DIL) ↓	↓	↓	1.80	1.85		
6.						
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						
16.						
17.						
18.						
19.						
20.						
PS						
DIL						
DIL						

Reagent Information: SEE ATTACHED

Analyst: RA Date: 10/12/09 QC Reviewer: \_\_\_\_\_ Date: \_\_\_\_\_

Form: GN-077  
 Rev. Date: 2/11/99

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Method: SW846 7196A (NJDEP mod)

pH adj. start time: 1916  
 pH adj. end time: 1940

pH Adjust. Date: 10/12/09  
 GN Batch ID: GN31097

Sample ID	Initial Sample Volume (ml)	Final Volume (ml)	pH after H2SO4	Comments	Spike Info.			
Calibration Blank	45	50	1.86					
0.010 mg/l standard	↓	↓	1.92	5 ppm ABSOLUTE	0.10 ml of 5 mg/l to 50 ml FV			
0.050 mg/l standard			1.95		0.50 ml of 5 mg/l to 50 mL FV			
0.100 mg/l standard			1.97		1.00 ml of 5 mg/l to 50 mL FV			
0.300 mg/l standard			1.89		3.00 ml of 5 mg/l to 50 mL FV			
0.500 mg/l standard			1.80		5.00 ml of 5 mg/l to 50 mL FV			
0.800 mg/l standard					8.00 ml of 5 mg/l to 50 mL FV			
1.00 mg/l standard					2.01	10.0 ml of 5 mg/l to 50 mL FV		
2.00 mg/l standard					2.06	20.0 ml of 5 mg/l to 50 mL FV		

Reagent Information: SEE ATTACHED.

Analyst: RA Date: 10/12/09

8.1.1  
8



GN31097

### Reagent Information Log - XCR - Water (7196a)

**Reagent**

**Reagent # or Manufacturer/Lot**

Calibration Source: Hexavalent Chromium,  
1000 mg/L Stock

8/20/12

ABSOLUTE GRADE 082009

Calibration Checks: Hexavalent Chromium,  
1000 mg/L Stock

7/31/15

ULTRA SCI 500509

External Check

N/A

N/A

Spiking Solution Source

8/20/12

ABS. GRADE 082009

Diphenylcarbazide Solution

11/6/09

GNE10 - 23162 - XCR

Sulfuric Acid, 10%

3/29/10

GNE9 - 23111 - XCR

All standards and stocks were made as described in the SOP for this method (circle one): Y or N  
If no (N), see attached page for standards prep.

Form: GN-087 1-23

Rev. Date: 2/16/99

8.1.1  
8

1	Type	Analysis	Sample Name	Sample ID	Origin	Dilution	Result	Status	Date / Time
1	Unknown	NPOC	CRI	0.83	C:\TQC3201	1.000	NPOC:0.830mg/L	Completed	10/17/2009
2	Unknown	NPOC	HSTD		C:\TQC3201	1.000	NPOC:28.78mg/L	Completed	10/17/2009
3	Unknown	NPOC	ICV		C:\TQC3201	1.000	NPOC:18.68mg/L	Completed	10/17/2009
4	Unknown	NPOC	ICB		C:\TQC3201	1.000	NPOC:0.1597mg/L	Completed	10/17/2009
5	Unknown	NPOC	CCV		C:\TQC3201	1.000	NPOC:14.26mg/L	Completed	10/17/2009
6	Unknown	NPOC	CCB		C:\TQC3201	1.000	NPOC:0.1787mg/L	Completed	10/17/2009
7	Unknown	NPOC	SPARGECHK		C:\TQC3201	1.000	NPOC:0.3423mg/L	Completed	10/17/2009
8	Unknown	NPOC	GP51154-MB	GP51139-MB	C:\TQC3201	1.000	NPOC:0.1585mg/L	Completed	10/17/2009
9	Unknown	NPOC	GP51154-B2	GP51139-B2	C:\TQC3201	1.000	NPOC:10.57mg/L	Completed	10/17/2009
10	Unknown	NPOC	JA28484-2A		C:\TQC3201	1.000	NPOC:7.771mg/L	Completed	10/17/2009
11	Unknown	NPOC	JA28484-4A	7.69	C:\TQC3201	1.000	NPOC:7.893mg/L	Completed	10/17/2009
12	Unknown	NPOC	JA28484-5A		C:\TQC3201	1.000	NPOC:8.234mg/L	Completed	10/17/2009
13	Unknown	NPOC	JA28484-7A		C:\TQC3201	1.000	NPOC:6.468mg/L	Completed	10/17/2009
14	Unknown	NPOC	JA28484-8A		C:\TQC3201	1.000	NPOC:6.891mg/L	Completed	10/17/2009
15	Unknown	NPOC	CCV		C:\TQC3201	1.000	NPOC:14.56mg/L	Completed	10/17/2009
16	Unknown	NPOC	CCB		C:\TQC3201	1.000	NPOC:0.1509mg/L	Completed	10/17/2009
17	Unknown	NPOC	JA29776-3		C:\TQC3201	5.000	NPOC:28.23mg/L	Completed	10/17/2009
18	Unknown	NPOC	JA29776-6		C:\TQC3201	1.000	NPOC:12.43mg/L	Completed	10/17/2009
19	Unknown	NPOC	JA29776-10		C:\TQC3201	5.000	NPOC:24.66mg/L	Completed	10/17/2009
20	Unknown	NPOC	JA29776-11		C:\TQC3201	10.00	NPOC:85.32mg/L	Completed	10/17/2009
21	Unknown	NPOC	JA29677-5		C:\TQC3201	3.000	NPOC:18.85mg/L	Completed	10/17/2009
22	Unknown	NPOC	JA29180-7		C:\TQC3201	10.00	NPOC:30.88mg/L	Completed	10/17/2009
23	Unknown	NPOC	JA29756-2		C:\TQC3201	1.000	NPOC:23.49mg/L	Completed	10/17/2009
24	Unknown	NPOC	CCV		C:\TQC3201	1.000	NPOC:14.68mg/L	Completed	10/17/2009
25	Unknown	NPOC	CCB		C:\TQC3201	1.000	NPOC:0.2085mg/L	Completed	10/17/2009
26	Unknown	NPOC	GP51159-MB		C:\TQC3201	1.000	NPOC:0.1474mg/L	Completed	10/17/2009
27	Unknown	NPOC	GP51159-B1		C:\TQC3201	1.000	NPOC:10.62mg/L	Completed	10/17/2009
28	Unknown	NPOC	GP51159-D1	JA29860-1	C:\TQC3201	1.000	NPOC:2.131mg/L	Completed	10/17/2009
29	Unknown	NPOC	GP51159-S1	JA29860-1	C:\TQC3201	1.000	NPOC:11.86mg/L	Completed	10/17/2009
30	Unknown	NPOC	JA29860-1		C:\TQC3201	1.000	NPOC:2.105mg/L	Completed	10/17/2009
31	Unknown	NPOC	JA30616-1	1.39	C:\TQC3201	1.000	NPOC:4.512mg/L	Completed	10/17/2009
32	Unknown	NPOC	JA29805-1	1.50	C:\TQC3201	1.000	NPOC:1.538mg/L	Completed	10/17/2009
33	Unknown	NPOC	JA29805-2		C:\TQC3201	1.000	NPOC:2.427mg/L	Completed	10/17/2009
34	Unknown	NPOC	JA29805-3		C:\TQC3201	1.000	NPOC:5.449mg/L	Completed	10/17/2009
35	Unknown	NPOC	JA29805-4		C:\TQC3201	1.000	NPOC:39.76mg/L	Completed	10/17/2009
36	Unknown	NPOC	CCV		C:\TQC3201	1.000	NPOC:14.78mg/L	Completed	10/17/2009
37	Unknown	NPOC	CCB		C:\TQC3201	1.000	NPOC:0.1525mg/L	Completed	10/17/2009
38	Unknown	NPOC	JA29805-5		C:\TQC3201	1.000	NPOC:17.25mg/L	Completed	10/17/2009
39	Unknown	NPOC	JA29805-6		C:\TQC3201	1.000	NPOC:62.55mg/L	Completed	10/17/2009
40	Unknown	NPOC	JA29805-7		C:\TQC3201	1.000	NPOC:10.76mg/L	Completed	10/17/2009
41	Unknown	NPOC	JA29805-9		C:\TQC3201	1.000	NPOC:1.732mg/L	Completed	10/17/2009
42	Unknown	NPOC	JA29805-10		C:\TQC3201	1.000	NPOC:1.427mg/L	Completed	10/17/2009
43	Unknown	NPOC	JA29805-11		C:\TQC3201	1.000	NPOC:1.875mg/L	Completed	10/17/2009
44	Unknown	NPOC	JA29830-1		C:\TQC3201	1.000	NPOC:0.7642mg/L	Completed	10/17/2009
45	Unknown	NPOC	JA29835-2	7.24	C:\TQC3201	1.000	NPOC:7.496mg/L	Completed	10/17/2009
46	Unknown	NPOC	JA29959-2		C:\TQC3201	1.000	NPOC:0.5293mg/L	Completed	10/17/2009
47	Unknown	NPOC	JA30469-2	2.31	C:\TQC3201	5.000	NPOC:2.437mg/L	Completed	10/18/2009
48	Unknown	NPOC	CCV		C:\TQC3201	1.000	NPOC:14.57mg/L	Completed	10/18/2009
49	Unknown	NPOC	CCB		C:\TQC3201	1.000	NPOC:0.2033mg/L	Completed	10/18/2009
50	Unknown	NPOC	GP51160-MB		C:\TQC3201	1.000	NPOC:0.2347mg/L	Completed	10/18/2009
51	Unknown	NPOC	GP51160-B1		C:\TQC3201	1.000	NPOC:10.42mg/L	Completed	10/18/2009
52	Unknown	NPOC	GP51160-D1	JA30201-3	C:\TQC3201	1.000	NPOC:2.235mg/L	Completed	10/18/2009
53	Unknown	NPOC	GP51160-S1	JA30201-3	C:\TQC3201	1.000	NPOC:11.89mg/L	Completed	10/18/2009
54	Unknown	NPOC	JA30201-3		C:\TQC3201	1.000	NPOC:1.996mg/L	Completed	10/18/2009
55	Unknown	NPOC	JA30201-1		C:\TQC3201	1.000	NPOC:2.943mg/L	Completed	10/18/2009
56	Unknown	NPOC	JA30201-2		C:\TQC3201	1.000	NPOC:9.168mg/L	Completed	10/18/2009
57	Unknown	NPOC	JA30201-4		C:\TQC3201	1.000	NPOC:1.779mg/L	Completed	10/18/2009
58	Unknown	NPOC	JA30201-5		C:\TQC3201	1.000	NPOC:9.552mg/L	Completed	10/18/2009
59	Unknown	NPOC	JA30201-6		C:\TQC3201	1.000	NPOC:13.63mg/L	Completed	10/18/2009
60	Unknown	NPOC	CCV		C:\TQC3201	1.000	NPOC:14.45mg/L	Completed	10/18/2009
61	Unknown	NPOC	CCB		C:\TQC3201	1.000	NPOC:0.1955mg/L	Completed	10/18/2009
62	Unknown	NPOC	JA30201-7		C:\TQC3201	1.000	NPOC:6.770mg/L	Completed	10/18/2009
63	Unknown	NPOC	JA30201-8		C:\TQC3201	1.000	NPOC:6.062mg/L	Completed	10/18/2009
64	Unknown	NPOC	JA30201-9		C:\TQC3201	1.000	NPOC:0.2986mg/L	Completed	10/18/2009
65	Unknown	NPOC	JA30144-5	3.47	C:\TQC3201	1.000	NPOC:3.568mg/L	Completed	10/18/2009
66	Unknown	NPOC	JA30164-1A		C:\TQC3201	1.000	NPOC:1.841mg/L	Completed	10/18/2009
67	Unknown	NPOC	JA29461-2		C:\TQC3201	1.000	NPOC:0.3373mg/L	Completed	10/18/2009

ave. of 3 passing mg.

ave. of 3 mg

Bad mg rerun

ave. of 3 mg

overrange rerun 1:05

overrange rerun 1:40

ave. of 3 mg

2/3 10/18/09

ave. of 3 mg

ave. of 3 mg

10/19/2009 10:42:10 AM

C91017W1.TOC

GN31309

1/2

8.1.2 8

	Type	Analysis	Sample Name	Sample ID	Origin	Dilution	Result	Status	Date / Time
68	Unknown	NPOC	JA29961-3	(A)	C:\TOC3201	5.000	NPOC:21.26mg/L	Completed	10/18/2009
69	Unknown	NPOC	JA29961-4	(A)	C:\TOC3201	5.000	NPOC:43.01mg/L	Completed	10/18/2009
70	Unknown	NPOC	JA29961-5	(A)	C:\TOC3201	1.000	NPOC:9.024mg/L	Completed	10/18/2009
71	Unknown	NPOC	JA29961-9	(A)	C:\TOC3201	1.000	NPOC:3.865mg/L	Completed	10/18/2009
72	Unknown	NPOC	CCV	14.84	C:\TOC3201	1.000	NPOC:14.45mg/L	Completed	10/18/2009
73	Unknown	NPOC	CCB	(A)	C:\TOC3201	1.000	NPOC:0.3288mg/L	Completed	10/18/2009
74	Unknown	NPOC	JA29961-10	(A) 2.47	C:\TOC3201	1.000	NPOC:2.522mg/L	Completed	10/18/2009
75	Unknown	NPOC	JA29961-11	(S)	C:\TOC3201	20.00	NPOC:53.12mg/L	Completed	10/18/2009
76	Unknown	NPOC	JA29961-12	(A)	C:\TOC3201	1.000	NPOC:9.796mg/L	Completed	10/18/2009
77	Unknown	NPOC	JA29961-13	(A) 9.83	C:\TOC3201	1.000	NPOC:10.05mg/L	Completed	10/18/2009
78	Unknown	NPOC	CCV		C:\TOC3201	1.000	NPOC:14.63mg/L	Completed	10/18/2009
79	Unknown	NPOC	CCB		C:\TOC3201	1.000	NPOC:0.2494mg/L	Completed	10/18/2009

Ave of 3 passing mg  
Ave of 3 mg over dilute term 1:10  
Ave of 3 mg

C91019W1.TOC

GN 31309

10/19/09

8.1.2  
8

C91017W1.TOC

Test: Total Organic Carbon

Product: TOC

Method: SM20 5310B 9060M

Note: Refer to raw data and LIMS for information not shown below.

Autosampler Position #	Sample ID	pH	Diluton Factor	Bottle #	Comments	
1	WASHCONF	< 2				
2	CRI					
3	HSTD					
4	ICV					
5	ICB					
6	CCV					
7	CCB					
8	SPARGERCHK					
9	GPS1110 -MB2					GPS1139-MB2 / GPS1112-MB2 / GPS1114-MB2
10	GPS1110 -B2					GPS1139-B2 / GPS1112-B2 / GPS1111-B2
11	JA28484-2A				79	
12	JA28484-4A				18	
13	JA28484-5A				18	
14	JA28484-7A				18	
15	JA28484-9A				18	
16	CCV					
17	CCB					
18	JA29776-3			1:5	8	
19	JA29776-6			7		
20	JA29776-10		1:5	8		
21	JA29776-11		1:10	8		
22	JA29677-5		1:3	7		
23	JA29180-7		1:10	7		
24	JA29756-2			4		
25	CCV					
26	CCB					
27	GPS1159-MB1					
28	GPS1159-B1					

 Analyst: [Signature] Date: 10/17/09 QCReviewer: \_\_\_\_\_ Date: \_\_\_\_\_

 Comments: SB: 500ul of 1000ppm KHP → 50ml DI H2O TV= 10mg/L  
MS: 50ul of 1000ppm KHP → 5ml Sample TV= 10mg/L

 Form: GN-054 ICV: 1ml of 100ppm Sucrose → 5ml DI H2O TV= 20mg/L

Rev. Date: 8/6/08

 8.12  
 8

(2)

Test: Total Organic Carbon

Product: TOC

Method: SM20 5310B 9060M

Note: Refer to raw data and LIMS for information not shown below.

Autosampler Position #	Sample ID	pH	Diluton Factor	Bottle #	Comments
29	GPS1159-D1	~2		4	JA29860-1
30	GPS1159-S1			4	↓ Clear No odor
31	JA29860-1			4	
32	JA30616-1			4	
33	JA29805-1			1	
34	JA29805-2			1	
35	JA29805-3			1	
36	JA29805-4			1	
37	CCV				
38	CCB				
39	JA29805-5			1	
40	JA29805-6			1	
41	JA29805-7			1	
42	JA29805-9			3	
43	JA29805-10			3	
44	JA29805-11			3	
45	JA29830-1			7	
46	JA29835-2			1	
47	JA29959-2			5	
48	JA30469-2		1:5	1	H2O <sub>2</sub> Reserved
49	CCV				
50	CCB				
51	GPS1160-MB1				
52	GPS1160-B1				
53	GPS1160-D1			13	JA30201-3
54	GPS1160-S1			13	↓ Clear No odor
55	JA30201-3			13	

 Analyst: [Signature] Date: 10/17/09 QCReviewer: \_\_\_\_\_ Date: \_\_\_\_\_  
 Comments: \_\_\_\_\_

 Form: GN-054  
 Rev. Date: 8/6/08

 8.1.2  
 8



Test: Total Organic Carbon

Product: TOC

Method: SM20 5310B 9060M

Note: Refer to raw data and LIMS for information not shown below.

Autosampler Position #	Sample ID	pH	Dilution Factor	Bottle #	Comments
56	JA30201-1	<2		5	
57	JA30201-2			5	
58	JA30201-4			5	
59	JA30201-5			5	
60	JA30201-6				
61	CCV				
62	CCB				
63	JA30201-7			5	
64	JA30201-8			5	
65	JA30201-9			5	
66	JA30144-5			1	
67	JA30064-1A			4	
68	JA29961-2			9	
69	JA29961-3		1:5	8	brown w/ sediment chem odor
70	JA29961-4		1:5	8	yellow w/ chem odor
71	JA29961-5			9	
72	JA29961-9			8	
73	CCV				
74	CCB				
75	JA29961-10			8	
76	JA29961-11		1:20	8	clear w/ chem odor
77	JA29961-12			9	
78	JA29961-13			9	
79	CCV				
80	CCB				

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3/19/17

8.1.2  
8

Analyst: [Signature] Date: 10/17/09 QC Reviewer: \_\_\_\_\_ Date: \_\_\_\_\_

Comments: \_\_\_\_\_

Form: GN-054  
Rev. Date: 8/6/08



**ACCUTEST**

**GENERAL CHEMISTRY STANDARD PREPARATION LOG**

Bal B-10

Product: TOC

Glass pipets- Class A

GN or GP Number: GN31309

Intermediate Standard Description	Stock used to prepare standard	Stock concentration	Stock volume used in ml	Diluent	Final Volume	Final Conc. of Intermediate (mg/l)	Expiration Date	Analyst	Date
GN9-23098-TOC	Fisher 984345A	KHP	2.125g	DI H <sub>2</sub> O	1000 ml	1000 ppm	12/29/09	S	10/17/09
GN9-23099-TOC	GN9-23098-TOC	1000 ppm	20 ml		200 ml	100 ppm	10/29/09		
GN9-23106-TOC	EMD 4533627	Sucrose	0.0474g		200 ml	100 ppm	12/29/09		
Standard Description	Intermediate or Stock used to prepare standard	Intermediate or Stock concentration	Intermediate or Stock volume used in ml	Diluent	Final Volume	Final Conc. of Standard (mg/l)	Expiration Date	Analyst	Date
KHP stds									
GN9-23100-TOC	GN9-23099-TOC	100 ppm	1.0	DI H <sub>2</sub> O	100 ml	1.0	10/29/09	S	10/17/09
GN9-23101-TOC			2.0			2.0			
GN9-23102-TOC			5.0			5.0			
GN9-23103-TOC			10.0			10.0			
GN9-23104-TOC			20.0			20.0			
GN9-23105-TOC			30.0			30.0			
KHP stds									
GN9-23107-TOC	Nacalai Tesque lot M91971	KHP	0.0455g	DI H <sub>2</sub> O	200 ml	100 ppm	10/29/09	S	
GN9-23108-TOC	GN9-23107-TOC	100 ppm	15 ml		100 ml	15 ppm			

Form: GN121  
Rev. Date: 2/26/03

GN 31309

## Reagent Information Log - TOC/DOC - Water

<u>Reagent</u>	<u>Reagent # or Manufacturer/Lot</u>
Potassium Hydrogen Phthlate (KHP), Stock Solution 1000 mg/L	XP GNE9-23093-TOC 12/29/09
Carbonate/Bicarbonate Stock Solution	GNE8-22535-TOC 11/3/09
Sparger Check Solution	GNE9-23109-TOC 10/29/09
CCV Solution	GNE9-23108-TOC 10/29/09
Sucrase <del>UV</del> Solution	GNE9-23106-TOC 12/29/09
Spiking Solution	GNE9-23093-TOC 12/29/09
GRI Check	

All standards and stocks were made as described in the SOP for this method (circle one): Y or N  
 If no (N), see attached page for standards prep.

Form: GN-087 1-67  
 Rev. Date: 3/18/2005

Instr. Information

System TOC-V with ASI  
 Detector Combustion  
 Catalyst Regular Sensitivity  
 Cell Length long

Sample

Sample Name: WASHCONF  
 Sample ID:  
 Origin: TOCWASH.met  
 Status Completed  
 Chk. Result

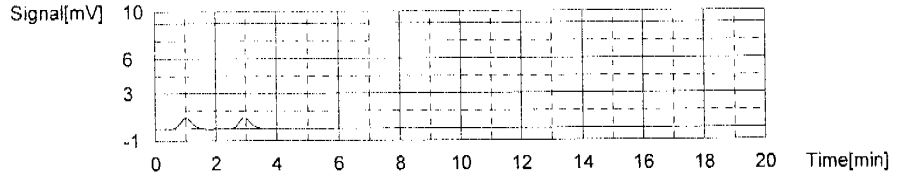
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.000mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	2.592	0.000mg/L		c91012w1.cal	10/12/2009 2:32:26 PM
2	2.675	0.000mg/L		c91012w1.cal	10/12/2009 2:34:32 PM

Mean Area 2.634  
 Mean Conc. 0.000mg/L  
 CV Area 2.23%



Cal. Curve

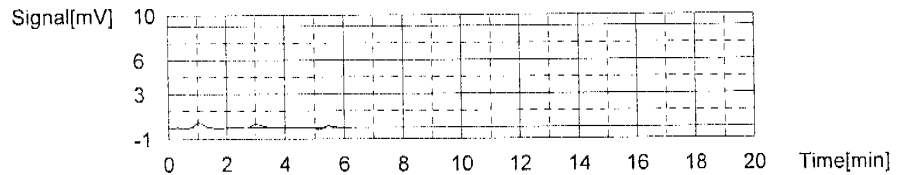
Sample Name: Untitled  
 Sample ID: Untitled  
 Cal. Curve: c91012w1.2009\_10\_12\_14\_34\_33.cal  
 Status Completed

Type	Anal.
Standard	NPOC

Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	1.302	100uL	1	*****		10/12/2009 2:46:41 PM
2	0.9907	100uL	1	*****		10/12/2009 2:54:15 PM
3	0.6028	100uL	1	*****	E	10/12/2009 3:00:45 PM

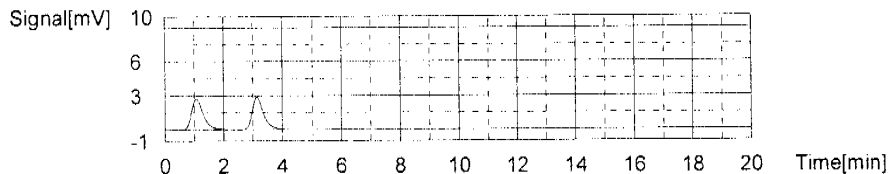
Acid Add. 0.000%  
 Sp. Time 360.0sec  
 Mean Area 1.146  
 CV Area 19.20%



Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	7.680	100uL	1	*****		10/12/2009 3:13:02 PM
2	7.684	100uL	1	*****		10/12/2009 3:20:04 PM

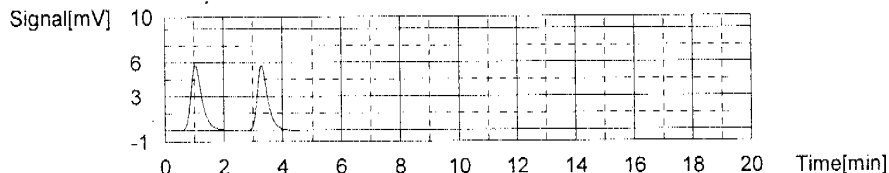
Acid Add. 0.000%  
 Sp. Time 360.0sec  
 Mean Area 7.682  
 CV Area 0.04%



Conc: 2.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	15.34	100uL	1	*****		10/12/2009 3:32:47 PM
2	14.39	100uL	1	*****		10/12/2009 3:39:51 PM

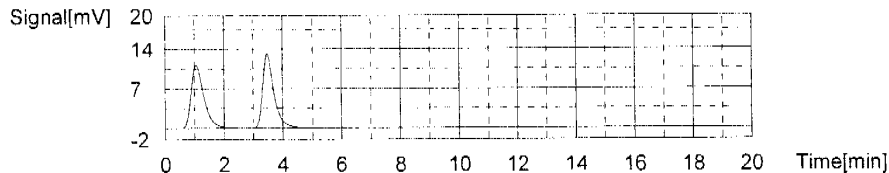
Acid Add. 0.000%  
 Sp. Time 360.0sec  
 Mean Area 14.87  
 CV Area 4.52%



Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	34.01	100uL	1	*****		10/12/2009 3:52:47 PM
2	34.56	100uL	1	*****		10/12/2009 3:59:47 PM

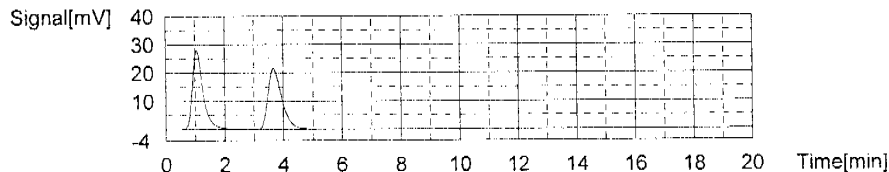
Acid Add. 0.000%  
 Sp. Time 360.0sec  
 Mean Area 34.29  
 CV Area 1.13%



Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	70.85	100uL	1	*****		10/12/2009 4:12:51 PM
2	69.18	100uL	1	*****		10/12/2009 4:19:50 PM

Acid Add. 0.000%  
 Sp. Time 360.0sec  
 Mean Area 70.02  
 CV Area 1.69%

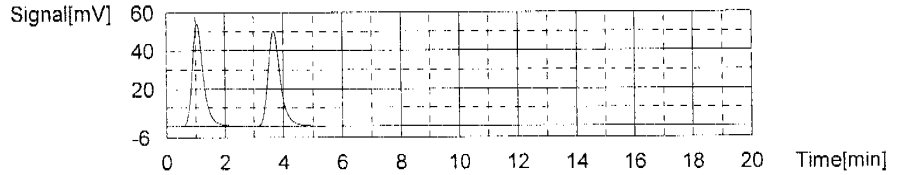


Conc: 20.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	144.3	100uL	1	*****		10/12/2009 4:32:55 PM
2	145.2	100uL	1	*****		10/12/2009 4:40:07 PM

8.1.2  
8

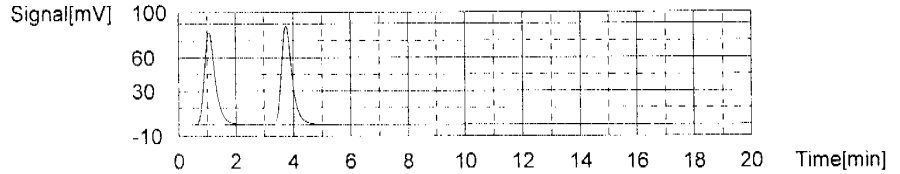
Acid Add. 0.000%  
 Sp. Time 360.0sec  
 Mean Area 144.8  
 CV Area 0.44%



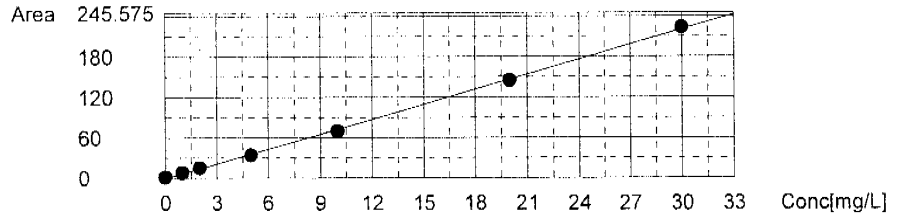
Conc: 30.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	221.8	100uL	1	*****		10/12/2009 4:53:16 PM
2	224.7	100uL	1	*****		10/12/2009 5:00:28 PM

Acid Add. 0.000%  
 Sp. Time 360.0sec  
 Mean Area 223.3  
 CV Area 0.92%



Slope: 7.386  
 Intercept -0.8969  
 r^2 0.9993  
 r 0.9997  
 Zero Shift No



Sample

Sample Name: ICV  
 Sample ID:  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result:

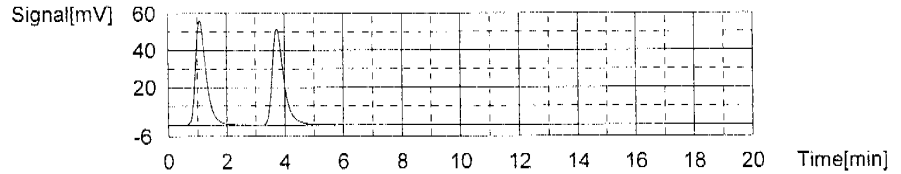
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.17mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	140.9	19.20mg/L		c91012w1.2009_10_12_14_34_33.cal	10/12/2009 5:13:35 PM
2	140.5	19.14mg/L		c91012w1.2009_10_12_14_34_33.cal	10/12/2009 5:16:46 PM

Mean Area 140.7  
 Mean Conc. 19.17mg/L  
 CV Area 0.20%



Sample

Instr.Information

System TOC-V with ASI  
 Detector Combustion  
 Catalyst Regular Sensitivity  
 Cell Length long

Sample

Sample Name: CRI  
 Sample ID:  
 Origin: TOCAQ.met  
 Status Completed  
 Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.8308mg/L

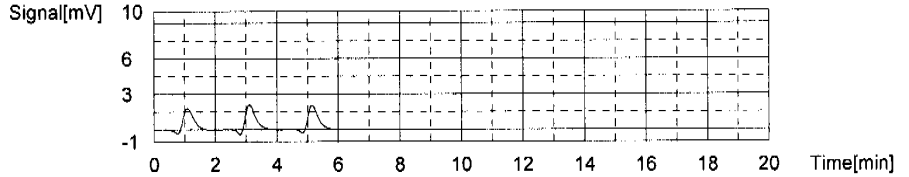
0.856  
 10/19/09  
 Ave. of three  
 Passing injections

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	5.191	0.8242mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 8:27:46 AM
2	5.800	0.9067mg/L	E	c91012w1.2009_10_12_14_34_33.cal	10/17/2009 8:30:00 AM
3	5.288	0.8373mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 8:32:11 AM

Mean Area 5.239  
 Mean Conc. 0.8308mg/L  
 CV Area 1.31%



Sample

Sample Name: HSTD  
 Sample ID:  
 Origin: TOCAQ.met  
 Status Completed  
 Chk. Result

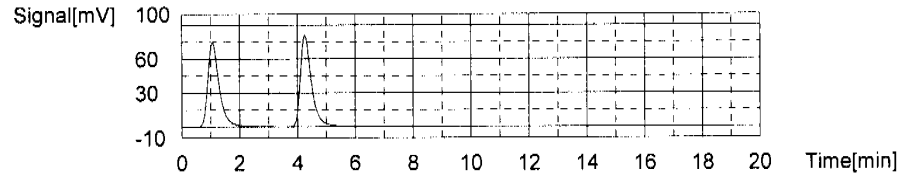
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:28.78mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	205.8	27.98mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 8:45:30 AM
2	217.5	29.57mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 8:48:32 AM

Mean Area 211.7  
 Mean Conc. 28.78mg/L  
 CV Area 3.91%



Sample

Sample Name: ICV  
 Sample ID: TOCAQ.met  
 Origin: Completed  
 Status: Completed  
 Chk. Result:

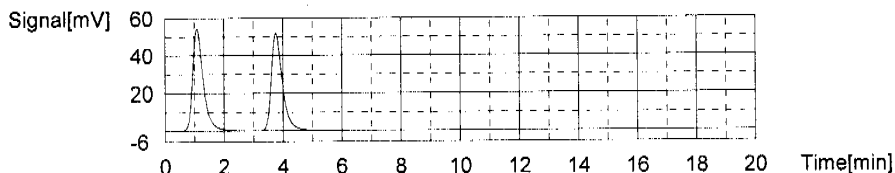
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:18.68mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	137.4	18.72mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 9:39:23 AM
2	136.7	18.63mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 9:42:12 AM

Mean Area 137.1  
 Mean Conc. 18.68mg/L  
 CV Area 0.36%



Sample

Sample Name: ICB  
 Sample ID: TOCAQ.met  
 Origin: Completed  
 Status: Completed  
 Chk. Result:

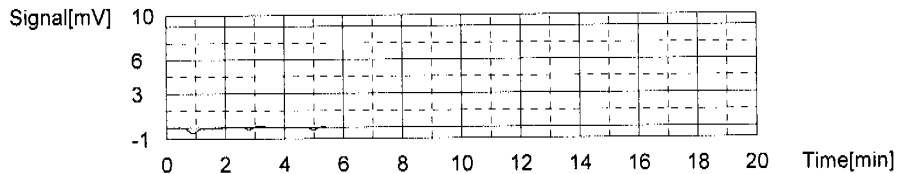
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1597mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	0.2634	0.1571mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 11:43:36 AM
2	0.7840	0.2276mg/L	E	c91012w1.2009_10_12_14_34_33.cal	10/17/2009 11:46:02 AM
3	0.3016	0.1623mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 11:48:08 AM

Mean Area 0.2825  
 Mean Conc. 0.1597mg/L  
 CV Area 9.56%



Sample



Sample Name: CCV  
 Sample ID:  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result

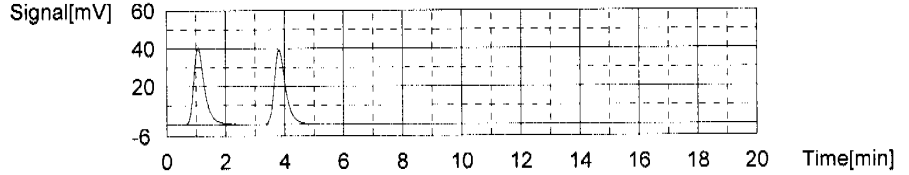
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:14.26mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	103.7	14.16mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 12:01:00 PM
2	105.1	14.35mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 12:03:52 PM

Mean Area 104.4  
 Mean Conc. 14.26mg/L  
 CV Area 0.95%



Sample

Sample Name: CCB  
 Sample ID:  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result

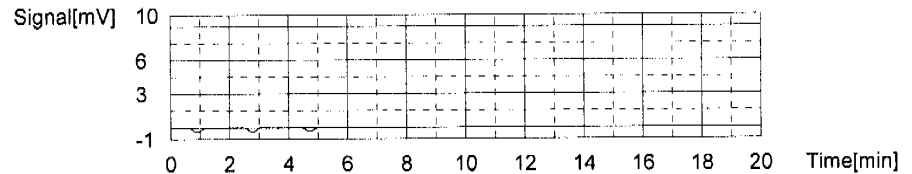
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1787mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	0.2182	0.1510mg/L	E	c91012w1.2009_10_12_14_34_33.cal	10/17/2009 12:15:58 PM
2	0.4907	0.1879mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 12:18:03 PM
3	0.3549	0.1695mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 12:20:08 PM

Mean Area 0.4228  
 Mean Conc. 0.1787mg/L  
 CV Area 22.71%



Sample

Sample Name: SPARGECHK  
 Sample ID:  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result

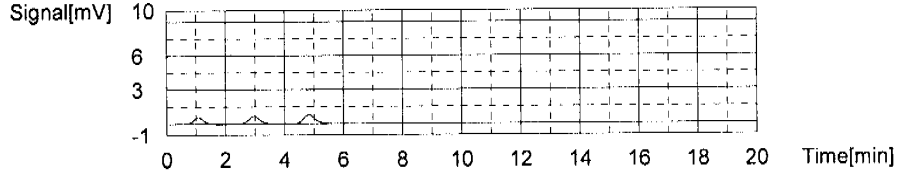
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3423mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	1.480	0.3218mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 12:32:09 PM
2	1.783	0.3628mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 12:34:15 PM
3	2.167	0.4148mg/L	E	c91012w1.2009_10_12_14_34_33.cal	10/17/2009 12:36:21 PM

Mean Area 1.632  
 Mean Conc. 0.3423mg/L  
 CV Area 13.13%



Sample

Sample Name: GP51154-MB2  
 Sample ID: GP51139-MB2/GP51112-MB2/GP51111-MB2  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result:

10 25 10/19/09

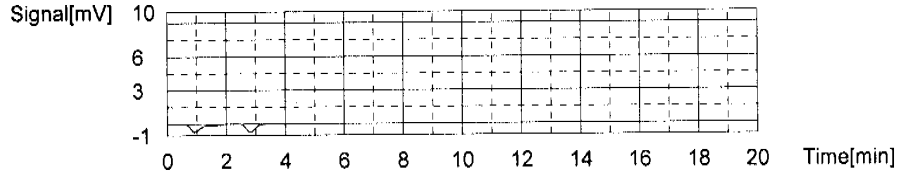
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1585mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	0.2549	0.1559mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 1:47:23 PM
2	0.2929	0.1611mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 1:49:29 PM

Mean Area 0.2739  
 Mean Conc. 0.1585mg/L  
 CV Area 9.81%



Sample

Sample Name: GP51154-B1  
 Sample ID: GP51139-B2/GP51112-B2/GP51111-B2  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result:

10 25 10/19/09

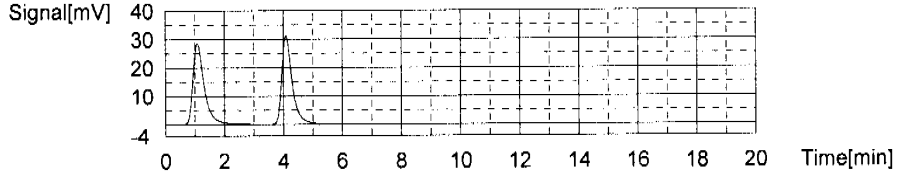
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:10.57mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	76.76	10.51mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 2:02:42 PM
2	77.54	10.62mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 2:05:38 PM

Mean Area 77.15  
 Mean Conc. 10.57mg/L  
 CV Area 0.71%



Sample

Sample Name: JA28484-2A  
 Sample ID:  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result

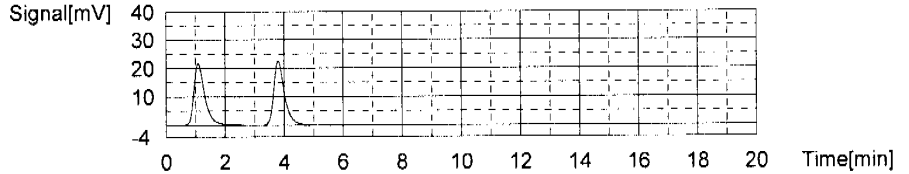
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:7.771mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	55.49	7.634mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 2:18:36 PM
2	57.52	7.909mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 2:21:21 PM

Mean Area 56.51  
 Mean Conc. 7.771mg/L  
 CV Area 2.54%



Sample

Sample Name: JA28484-4A  
 Sample ID:  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:7.893mg/L

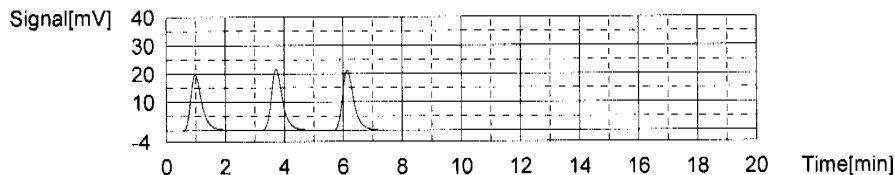
1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	52.87	7.279mg/L	E	c91012w1.2009_10_12_14_34_33.cal	10/17/2009 2:34:16 PM
2	57.83	7.951mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 2:36:54 PM
3	56.98	7.836mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 2:39:41 PM

7.69  
 281019/09  
 Ave. of Home  
 Wg.

Mean Area 57.41  
 Mean Conc. 7.893mg/L  
 CV Area 1.05%



Sample

Sample Name: JA28484-5A  
 Sample ID:  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result

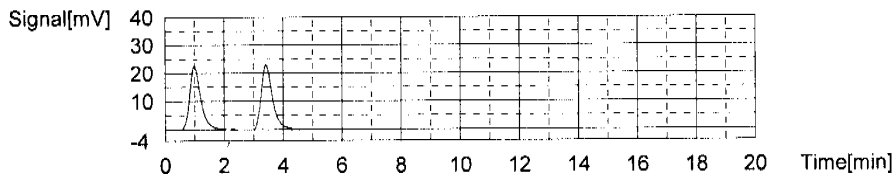
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:8.234mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	58.52	8.044mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 2:52:14 PM
2	61.33	8.425mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 2:54:58 PM

Mean Area 59.93  
 Mean Conc. 8.234mg/L  
 CV Area 3.32%



Sample

Sample Name: JA28484-7A  
 Sample ID:  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result

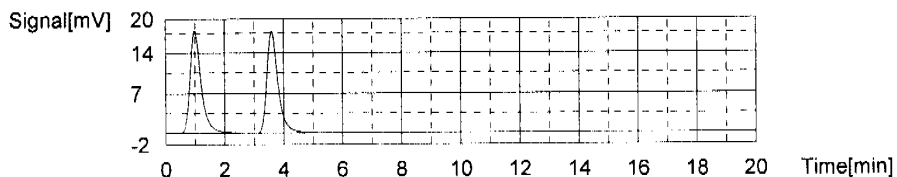
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:6.468mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	46.89	6.470mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 3:07:46 PM
2	46.86	6.466mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 3:10:32 PM

Mean Area 46.88  
 Mean Conc. 6.468mg/L  
 CV Area 0.05%



Sample

Sample Name: JA28484-8A  
 Sample ID:  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result

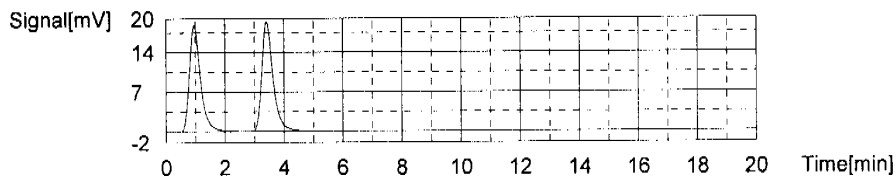
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:6.891mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	48.87	6.738mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 3:23:11 PM
2	51.13	7.044mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 3:25:50 PM

Mean Area 50.00  
 Mean Conc. 6.891mg/L  
 CV Area 3.20%



Sample

Sample Name: CCV  
 Sample ID:  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result

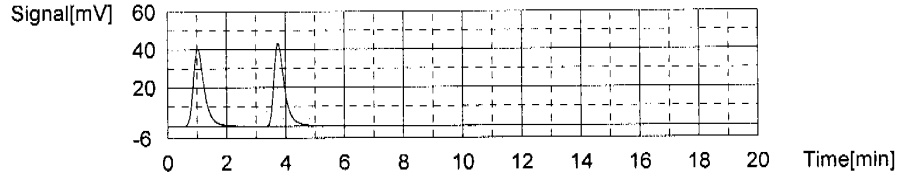
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:14.56mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	105.6	14.42mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 3:38:44 PM
2	107.7	14.70mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 3:41:42 PM

Mean Area 106.7  
Mean Conc. 14.56mg/L  
CV Area 1.39%



Sample

Sample Name: CCB  
Sample ID:  
Origin: TOCAQ.met  
Status: Completed  
Chk. Result

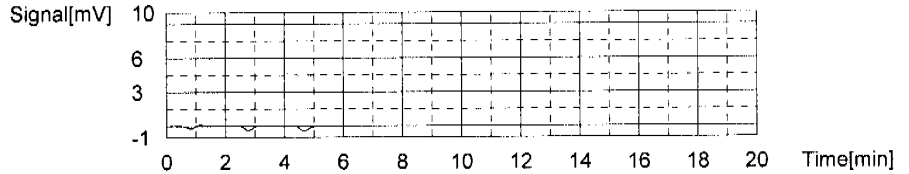
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1509mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	0.5947	0.2019mg/L	E	c91012w1.2009_10_12_14_34_33.cal	10/17/2009 3:53:59 PM
2	0.2225	0.1515mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 3:56:05 PM
3	0.2134	0.1503mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 3:58:11 PM

Mean Area 0.2180  
Mean Conc. 0.1509mg/L  
CV Area 2.95%



Sample

Sample Name: JA29776-3  
Sample ID:  
Origin: TOCAQ.met  
Status: Completed  
Chk. Result

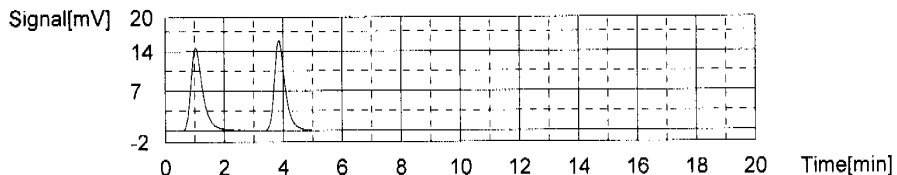
Type	Anal.	Dil.	Result
Unknown	NPOC	5.000	NPOC:28.23mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	40.88	28.28mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 4:11:06 PM
2	40.74	28.19mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 4:13:43 PM

Mean Area 40.81  
 Mean Conc. 28.23mg/L  
 CV Area 0.24%



Sample

Sample Name: JA29776-6  
 Sample ID:  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result

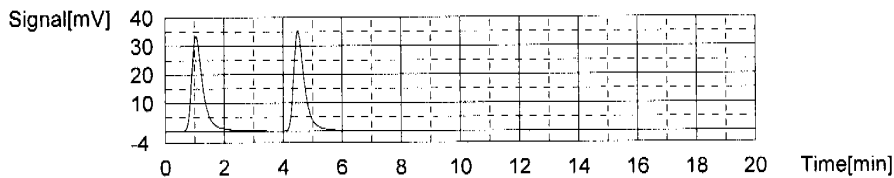
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:12.43mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	90.39	12.36mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 4:27:22 PM
2	91.37	12.49mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 4:30:31 PM

Mean Area 90.88  
 Mean Conc. 12.43mg/L  
 CV Area 0.76%



Sample

Sample Name: JA29776-10  
 Sample ID:  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result

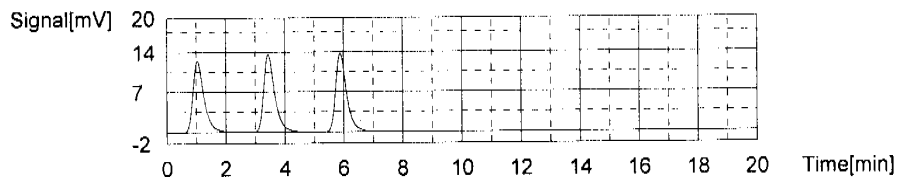
Type	Anal.	Dil.	Result
Unknown	NPOC	5.000	NPOC:24.66mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	32.69	22.74mg/L	E	c91012w1.2009_10_12_14_34_33.cal	10/17/2009 4:43:07 PM
2	35.43	24.59mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 4:45:45 PM
3	35.64	24.73mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 4:48:21 PM

Mean Area 35.53  
 Mean Conc. 24.66mg/L  
 CV Area 0.42%



## Sample

Sample Name: JA29776-11  
 Sample ID:  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result

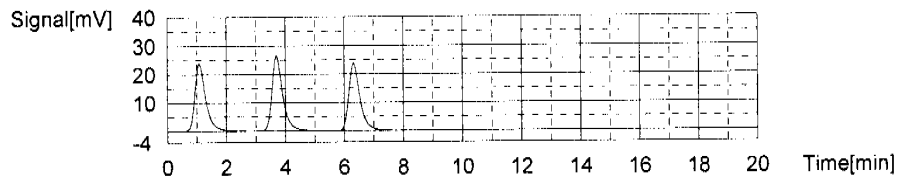
Type	Anal.	Dil.	Result
Unknown	NPOC	10.00	NPOC:85.32mg/L

## 1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	61.27	84.16mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 5:01:07 PM
2	67.56	92.68mg/L	E	c91012w1.2009_10_12_14_34_33.cal	10/17/2009 5:03:57 PM
3	62.97	86.47mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 5:06:53 PM

Mean Area 62.12  
 Mean Conc. 85.32mg/L  
 CV Area 1.94%



## Sample

Sample Name: JA29677-5  
 Sample ID:  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	3.000	NPOC:18.85mg/L

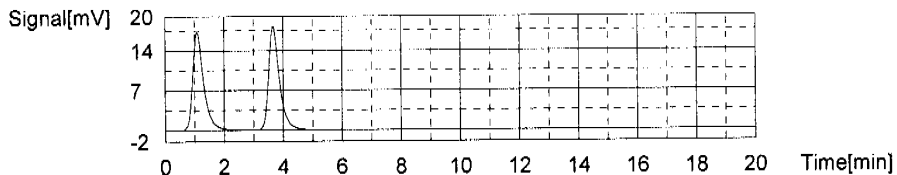
## 1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	44.52	18.45mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 5:19:34 PM
2	46.49	19.25mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 5:22:29 PM



Mean Area 45.51  
 Mean Conc. 18.85mg/L  
 CV Area 3.06%



Sample

Sample Name: JA29180-7  
 Sample ID:  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result

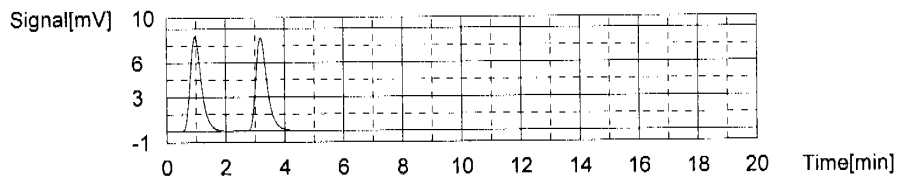
Type	Anal.	Dil.	Result
Unknown	NPOC	10.00	NPOC:30.88mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	22.00	31.00mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 5:34:55 PM
2	21.83	30.77mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 5:37:18 PM

Mean Area 21.91  
 Mean Conc. 30.88mg/L  
 CV Area 0.55%



Sample

Sample Name: JA29756-2  
 Sample ID:  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:23.49mg/L

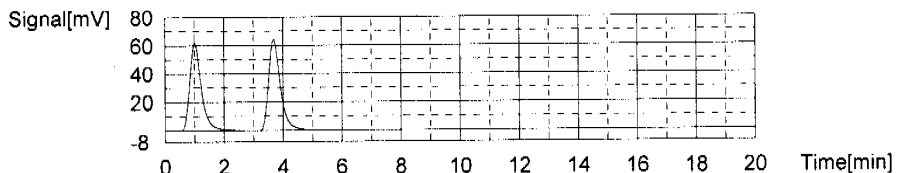
1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	168.0	22.87mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 5:50:12 PM
2	177.2	24.11mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 5:53:01 PM

8.1.2  
8

Mean Area 172.6  
 Mean Conc. 23.49mg/L  
 CV Area 3.77%



Sample

Sample Name: CCV  
 Sample ID:  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result

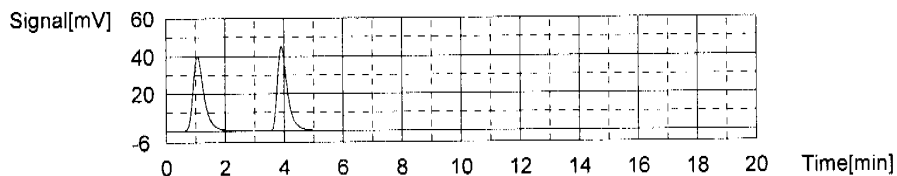
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:14.68mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	106.1	14.49mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 6:06:02 PM
2	108.9	14.86mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 6:09:01 PM

Mean Area 107.5  
 Mean Conc. 14.68mg/L  
 CV Area 1.84%



Sample

Sample Name: CCB  
 Sample ID:  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result

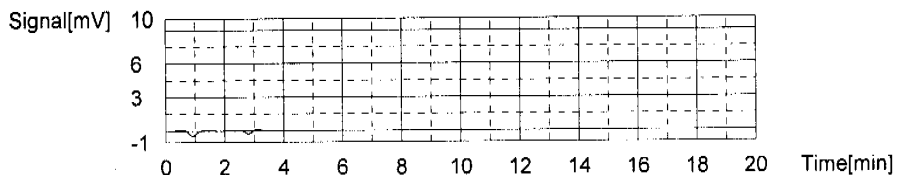
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2085mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	0.6855	0.2142mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 6:21:11 PM
2	0.6013	0.2028mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 6:23:17 PM

Mean Area 0.6434  
 Mean Conc. 0.2085mg/L  
 CV Area 9.25%



Sample

Sample Name: GP51159-MB1  
 Sample ID:  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result

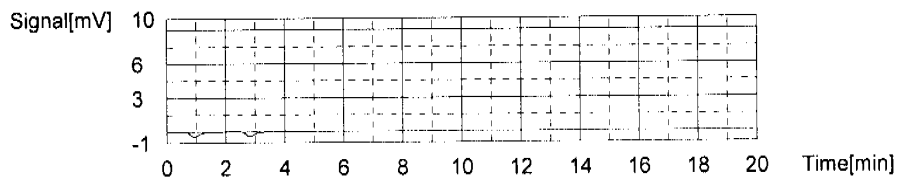
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1474mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	0.1769	0.1454mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 6:35:24 PM
2	0.2075	0.1495mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 6:37:30 PM

Mean Area 0.1922  
 Mean Conc. 0.1474mg/L  
 CV Area 11.26%



Sample

Sample Name: GP51159-B1  
 Sample ID:  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result

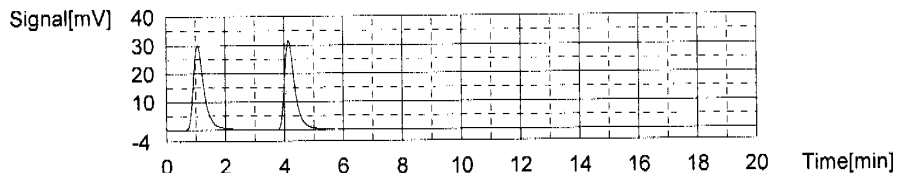
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:10.62mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	76.90	10.53mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 6:50:47 PM
2	78.16	10.70mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 6:53:41 PM

Mean Area 77.53  
 Mean Conc. 10.62mg/L  
 CV Area 1.15%



Sample

Sample Name: GP51159-D1  
 Sample ID: JA29860-1  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result

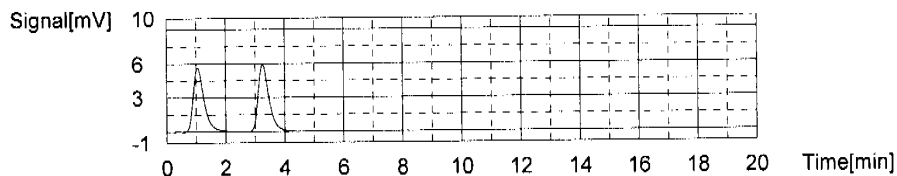
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.131mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	14.56	2.093mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 7:06:06 PM
2	15.13	2.170mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 7:08:25 PM

Mean Area 14.85  
 Mean Conc. 2.131mg/L  
 CV Area 2.72%



Sample

Sample Name: GP51159-S1  
 Sample ID: JA29860-1  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result

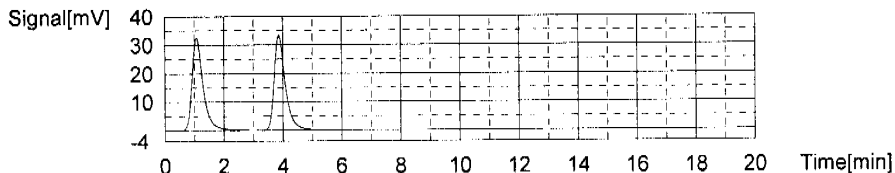
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:11.86mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	85.44	11.69mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 7:21:25 PM
2	87.99	12.03mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 7:24:17 PM

Mean Area 86.72  
 Mean Conc. 11.86mg/L  
 CV Area 2.08%



Sample

Sample Name: JA29860-1  
 Sample ID:  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result

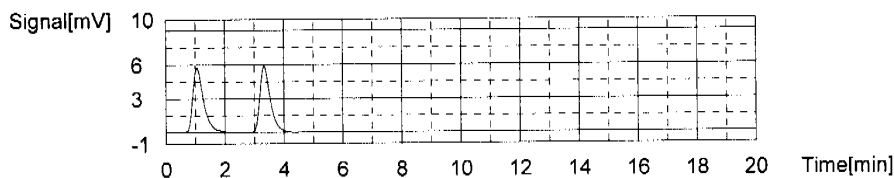
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.105mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	14.68	2.109mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 7:36:47 PM
2	14.63	2.102mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 7:39:10 PM

Mean Area 14.66  
 Mean Conc. 2.105mg/L  
 CV Area 0.24%



Sample

Sample Name: JA30616-1  
 Sample ID:  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.512mg/L

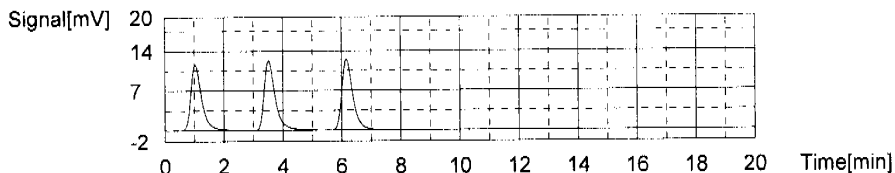
1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	29.73	4.146mg/L	E	c91012w1.2009_10_12_14_34_33.cal	10/17/2009 7:51:55 PM
2	32.11	4.469mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 7:54:44 PM
3	32.75	4.555mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 7:57:23 PM

4.39  
 10/19/09  
 Ave. of 3 wj

Mean Area 32.43  
 Mean Conc. 4.512mg/L  
 CV Area 1.40%



Sample

Sample Name: JA29805-1  
 Sample ID:  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result

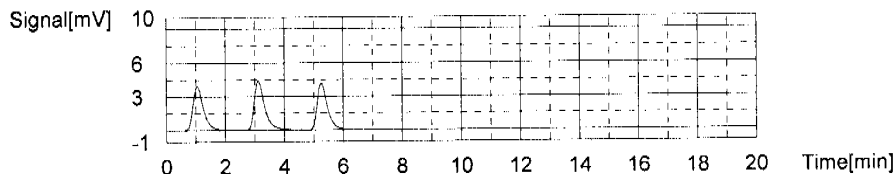
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC: 1.536mg/L <i>1.50</i> <i>2.51012109 Ave. of 3 unj</i>

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	9.658	1.429mg/L	E	c91012w1.2009_10_12_14_34_33.cal	10/17/2009 8:09:35 PM
2	10.66	1.565mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 8:11:57 PM
3	10.23	1.506mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 8:14:10 PM

Mean Area 10.45  
 Mean Conc. 1.536mg/L  
 CV Area 2.91%



Sample

Sample Name: JA29805-2  
 Sample ID:  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result

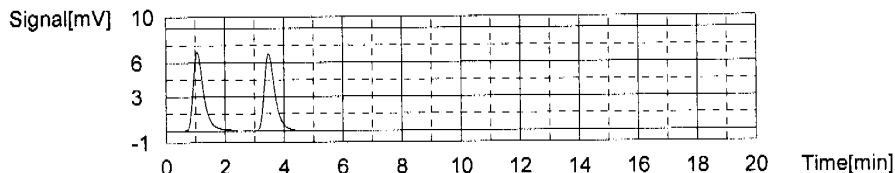
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC: 2.427mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	16.97	2.419mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 8:26:43 PM
2	17.09	2.435mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 8:29:12 PM

Mean Area 17.03  
 Mean Conc. 2.427mg/L  
 CV Area 0.50%



Sample

Sample Name: JA29805-3  
 Sample ID:  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result

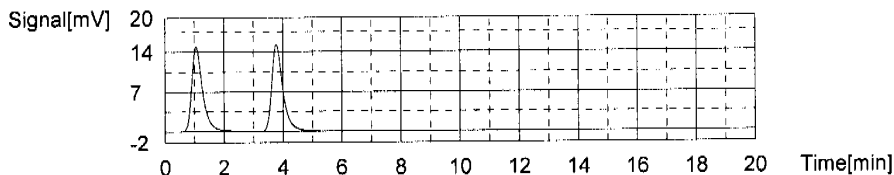
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:5.449mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	38.53	5.338mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 8:42:10 PM
2	40.17	5.560mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 8:44:52 PM

Mean Area 39.35  
 Mean Conc. 5.449mg/L  
 CV Area 2.95%



Sample

Sample Name: JA29805-4  
 Sample ID:  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result

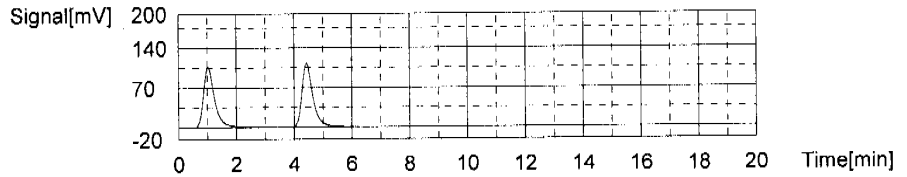
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:39.76mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	286.3	38.88mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 8:58:28 PM
2	299.2	40.63mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 9:01:33 PM

Mean Area 292.8  
 Mean Conc. 39.76mg/L  
 CV Area 3.12%



Sample

Sample Name: CCV  
 Sample ID:  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result

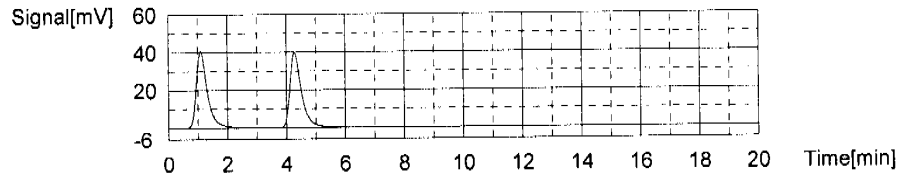
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:14.78mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	107.7	14.70mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 9:14:56 PM
2	108.9	14.86mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 9:17:59 PM

Mean Area 108.3  
 Mean Conc. 14.78mg/L  
 CV Area 0.78%



Sample

Sample Name: CCB  
 Sample ID:  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1525mg/L

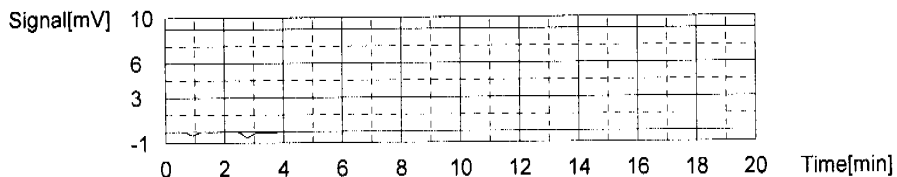
1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	0.2286	0.1524mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 9:30:06 PM
2	0.2304	0.1526mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 9:32:12 PM



Mean Area 0.2295  
 Mean Conc. 0.1525mg/L  
 CV Area 0.55%



Sample

Sample Name: JA29805-5  
 Sample ID:  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result

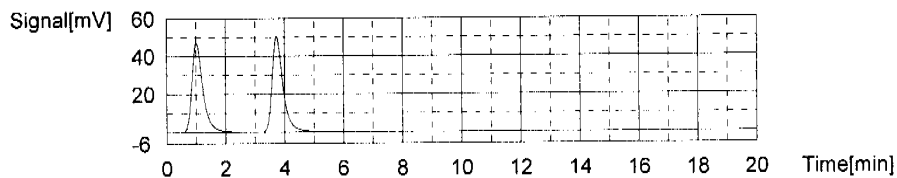
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:17.25mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	122.8	16.75mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 9:45:06 PM
2	130.3	17.76mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 9:48:08 PM

Mean Area 126.6  
 Mean Conc. 17.25mg/L  
 CV Area 4.19%



Sample

Sample Name: JA29805-6  
 Sample ID:  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result

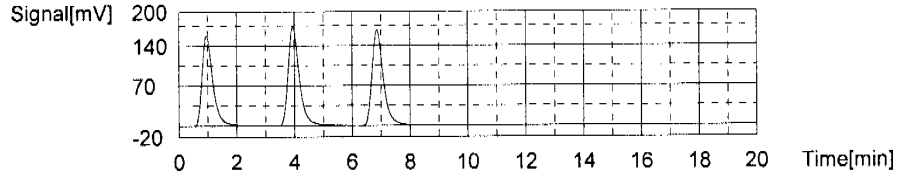
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:62.55mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	412.4	55.95mg/L	E	c91012w1.2009_10_12_14_34_33.cal	10/17/2009 10:01:18 PM
2	466.5	63.28mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 10:04:24 PM
3	455.7	61.82mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 10:07:23 PM

Mean Area 461.1  
 Mean Conc. 62.55mg/L  
 CV Area 1.66%



Sample

Sample Name: JA29805-7  
 Sample ID:  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result

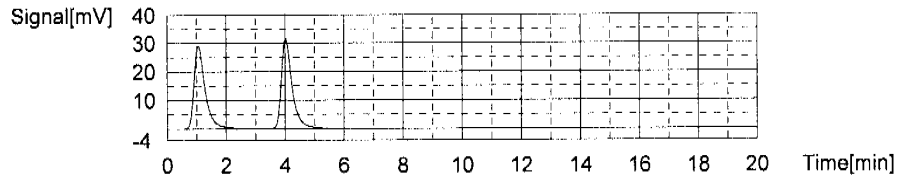
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:10.76mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	76.45	10.47mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 10:20:29 PM
2	80.67	11.04mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 10:23:27 PM

Mean Area 78.56  
 Mean Conc. 10.76mg/L  
 CV Area 3.80%



Sample

Sample Name: JA29805-9  
 Sample ID:  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result

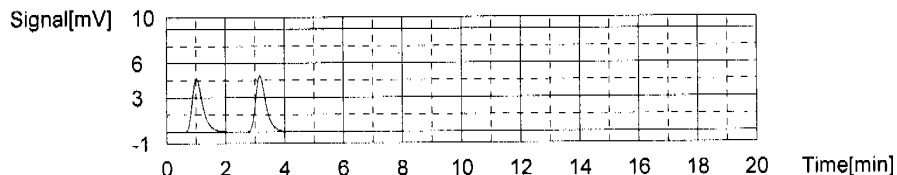
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.732mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	11.77	1.715mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 10:35:49 PM
2	12.02	1.749mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 10:38:08 PM

Mean Area 11.90  
 Mean Conc. 1.732mg/L  
 CV Area 1.49%



Sample

Sample Name: JA29805-10  
 Sample ID:  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result

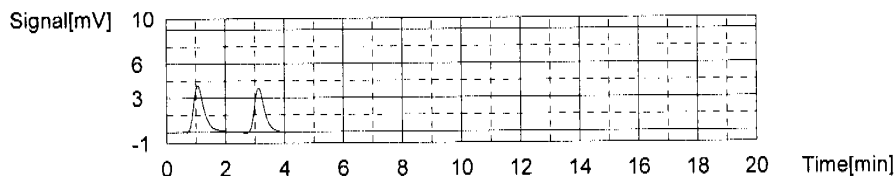
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.427mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	9.754	1.442mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 10:50:26 PM
2	9.534	1.412mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 10:52:45 PM

Mean Area 9.644  
 Mean Conc. 1.427mg/L  
 CV Area 1.61%



Sample

Sample Name: JA29805-11  
 Sample ID:  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result

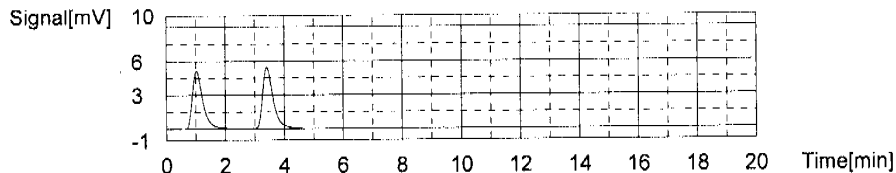
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.875mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	12.60	1.827mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 11:05:19 PM
2	13.30	1.922mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 11:07:46 PM

Mean Area 12.95  
 Mean Conc. 1.875mg/L  
 CV Area 3.82%



Sample

Sample Name: JA29830-1  
 Sample ID:  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result

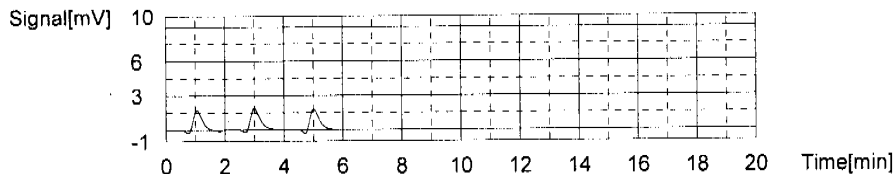
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.7642mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	4.381	0.7145mg/L	E	c91012w1.2009_10_12_14_34_33.cal	10/17/2009 11:19:53 PM
2	4.867	0.7803mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 11:22:08 PM
3	4.628	0.7480mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 11:24:17 PM

Mean Area 4.748  
 Mean Conc. 0.7642mg/L  
 CV Area 3.56%



Sample

Sample Name: JA29835-2  
 Sample ID:  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:7.090mg/L

7.24  
 Avg of 3 un

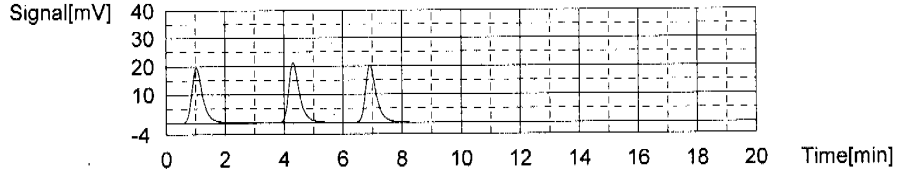
1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	50.62	6.975mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 11:37:39 PM
2	54.78	7.538mg/L	E	c91012w1.2009_10_12_14_34_33.cal	10/17/2009 11:40:28 PM
3	52.32	7.205mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 11:43:13 PM

8.12  
 8

Mean Area 51.47  
 Mean Conc. 7.090mg/L  
 CV Area 2.34%



Sample

Sample Name: JA29959-2  
 Sample ID: TOCAQ.met  
 Origin: Completed  
 Status: Completed  
 Chk. Result

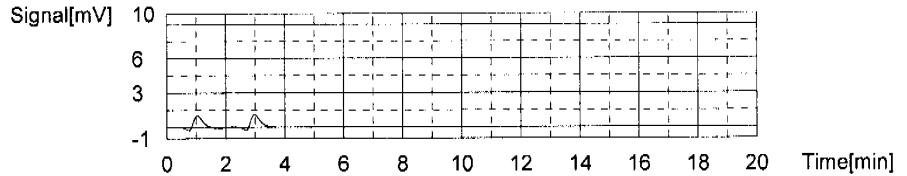
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.5293mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	2.912	0.5157mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 11:55:15 PM
2	3.113	0.5429mg/L		c91012w1.2009_10_12_14_34_33.cal	10/17/2009 11:57:21 PM

Mean Area 3.013  
 Mean Conc. 0.5293mg/L  
 CV Area 4.72%



Sample

Sample Name: JA30469-2  
 Sample ID: TOCAQ.met  
 Origin: Completed  
 Status: Completed  
 Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	5.000	NPOC:2.437mg/L

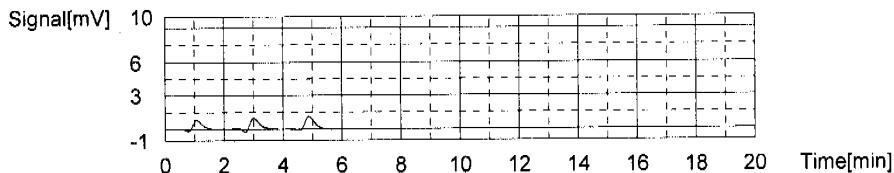
1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	2.123	2.044mg/L	E	c91012w1.2009_10_12_14_34_33.cal	10/18/2009 12:09:28 AM
2	2.693	2.430mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 12:11:34 AM
3	2.712	2.443mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 12:13:40 AM

2.31  
 10/17/09  
 Ave. of 3 ug

Mean Area 2.703  
 Mean Conc. 2.437mg/L  
 CV Area 0.50%



Sample

Sample Name: CCV  
 Sample ID: TOCAQ.met  
 Origin: Completed  
 Status: Completed  
 Chk. Result

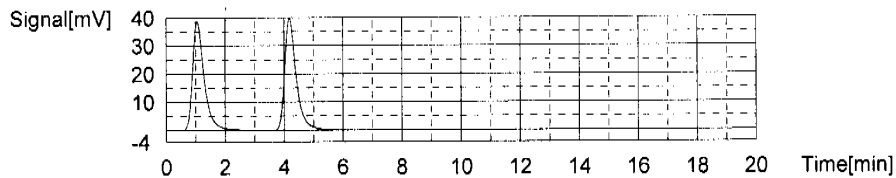
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:14.57mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	105.8	14.45mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 12:26:56 AM
2	107.7	14.70mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 12:29:51 AM

Mean Area 106.8  
 Mean Conc. 14.57mg/L  
 CV Area 1.26%



Sample

Sample Name: CCB  
 Sample ID: TOCAQ.met  
 Origin: Completed  
 Status: Completed  
 Chk. Result

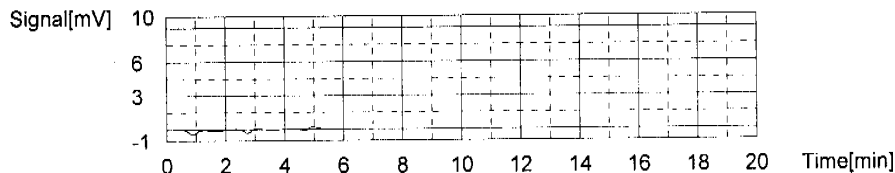
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2033mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	0.2856	0.1601mg/L	E	c91012w1.2009_10_12_14_34_33.cal	10/18/2009 12:41:58 AM
2	0.6059	0.2035mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 12:44:04 AM
3	0.6042	0.2032mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 12:46:10 AM

Mean Area 0.6051  
 Mean Conc. 0.2033mg/L  
 CV Area 0.20%



Sample

Sample Name: GP51160-MB1  
 Sample ID:  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result

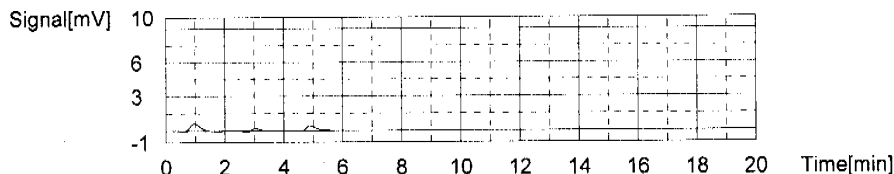
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2347mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	1.780	0.3624mg/L	E	c91012w1.2009_10_12_14_34_33.cal	10/18/2009 12:58:12 AM
2	0.6630	0.2112mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 1:00:18 AM
3	1.011	0.2583mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 1:02:24 AM

Mean Area 0.8370  
 Mean Conc. 0.2347mg/L  
 CV Area 29.40%



Sample

Sample Name: GP51160-B1  
 Sample ID:  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result

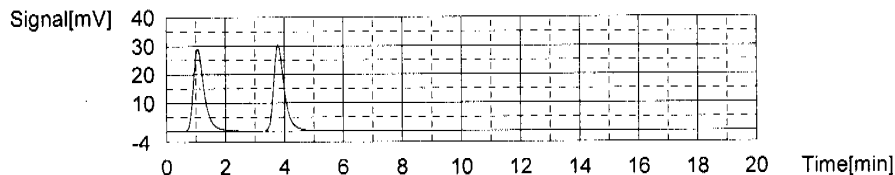
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:10.42mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	74.96	10.27mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 1:15:14 AM
2	77.19	10.57mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 1:18:09 AM

Mean Area 76.08  
 Mean Conc. 10.42mg/L  
 CV Area 2.07%



Sample

Sample Name: GP51160-D1  
 Sample ID: JA30201-3  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result

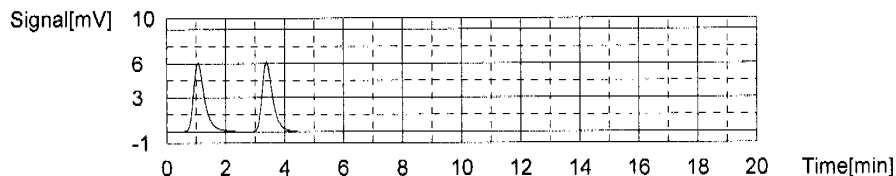
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.235mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	15.64	2.239mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 1:30:40 AM
2	15.59	2.232mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 1:33:05 AM

Mean Area 15.62  
 Mean Conc. 2.235mg/L  
 CV Area 0.23%



Sample

Sample Name: GP51160-S1  
 Sample ID: JA30201-3  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:11.89mg/L

1. Det

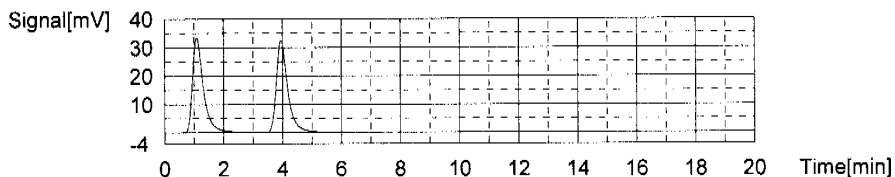
Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	86.35	11.81mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 1:46:12 AM
2	87.54	11.97mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 1:49:08 AM

8.1.2  
8



Mean Area 86.95  
 Mean Conc. 11.89mg/L  
 CV Area 0.97%



Sample

Sample Name: JA30201-3  
 Sample ID: TOCAQ.met  
 Origin: Completed  
 Status: Completed  
 Chk. Result

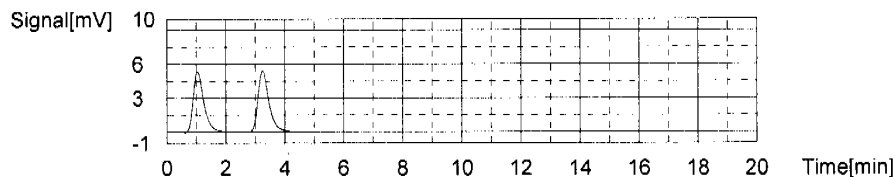
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.996mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	13.61	1.964mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 2:01:34 AM
2	14.08	2.028mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 2:04:04 AM

Mean Area 13.85  
 Mean Conc. 1.996mg/L  
 CV Area 2.40%



Sample

Sample Name: JA30201-1  
 Sample ID: TOCAQ.met  
 Origin: Completed  
 Status: Completed  
 Chk. Result

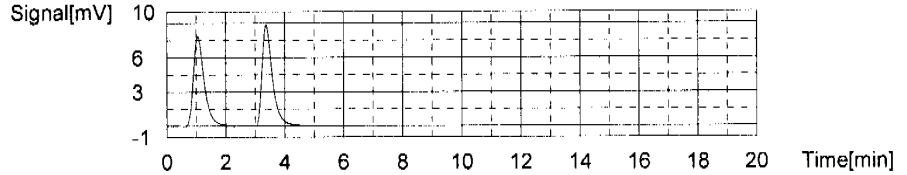
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.943mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	20.20	2.856mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 2:16:35 AM
2	21.48	3.029mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 2:19:09 AM

Mean Area 20.84  
 Mean Conc. 2.943mg/L  
 CV Area 4.34%



Sample

Sample Name: JA30201-2  
 Sample ID:  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result

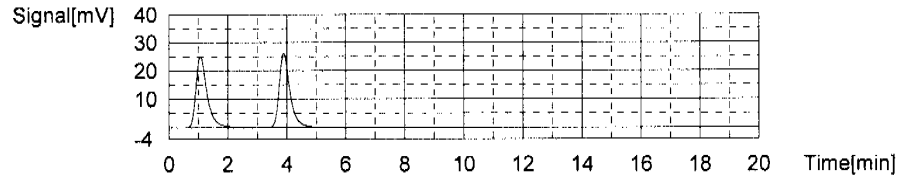
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:9.168mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	66.40	9.111mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 2:32:13 AM
2	67.24	9.225mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 2:35:04 AM

Mean Area 66.82  
 Mean Conc. 9.168mg/L  
 CV Area 0.89%



Sample

Sample Name: JA30201-4  
 Sample ID:  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result

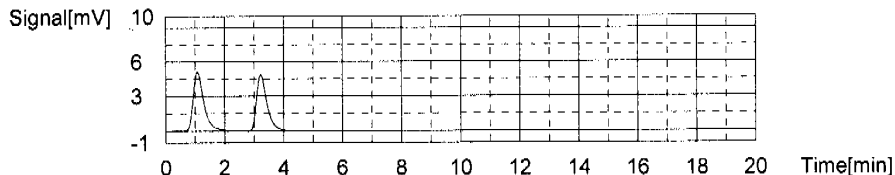
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.779mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	12.52	1.816mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 2:47:28 AM
2	11.96	1.741mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 2:49:56 AM

Mean Area 12.24  
 Mean Conc. 1.779mg/L  
 CV Area 3.24%



Sample

Sample Name: JA30201-5  
 Sample ID: TOCAQ.met  
 Origin: Completed  
 Status: Completed  
 Chk. Result:

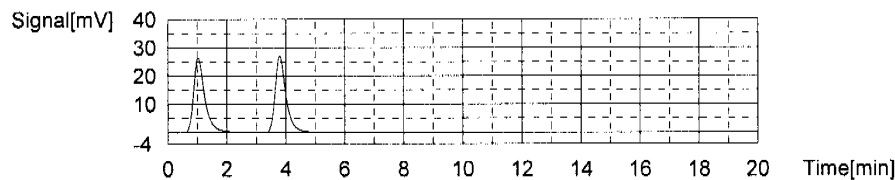
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:9.552mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	69.91	9.586mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 3:02:56 AM
2	69.40	9.517mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 3:05:42 AM

Mean Area 69.66  
 Mean Conc. 9.552mg/L  
 CV Area 0.52%



Sample

Sample Name: JA30201-6  
 Sample ID: TOCAQ.met  
 Origin: Completed  
 Status: Completed  
 Chk. Result:

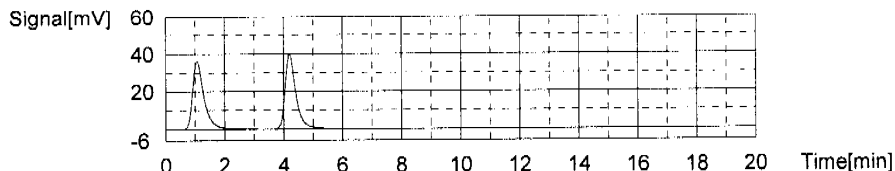
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:13.63mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	97.62	13.34mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 3:19:03 AM
2	102.0	13.93mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 3:22:10 AM

Mean Area 99.81  
 Mean Conc. 13.63mg/L  
 CV Area 3.10%



Sample

Sample Name: CCV  
 Sample ID:  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result

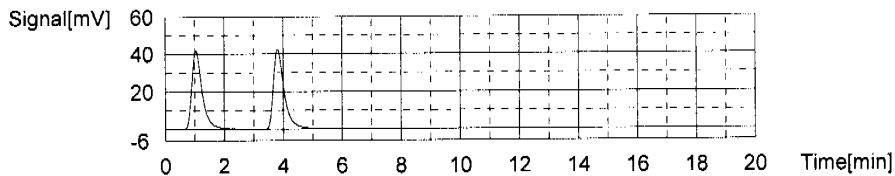
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:14.45mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	103.0	14.07mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 3:35:08 AM
2	108.6	14.82mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 3:38:19 AM

Mean Area 105.8  
 Mean Conc. 14.45mg/L  
 CV Area 3.74%



Sample

Sample Name: CCB  
 Sample ID:  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result

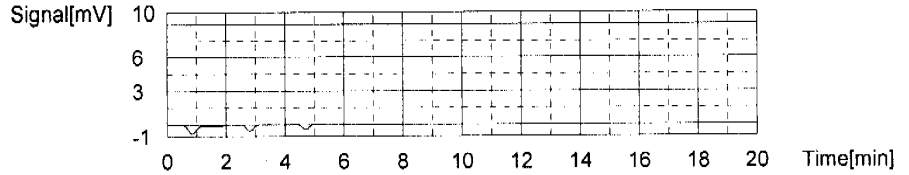
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1955mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	0.4846	0.1870mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 3:50:37 AM
2	0.9299	0.2473mg/L	E	c91012w1.2009_10_12_14_34_33.cal	10/18/2009 3:52:46 AM
3	0.6092	0.2039mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 3:54:52 AM

Mean Area 0.5469  
Mean Conc. 0.1955mg/L  
CV Area 16.11%



Sample

Sample Name: JA30201-7  
Sample ID:  
Origin: TOCAQ.met  
Status: Completed  
Chk. Result

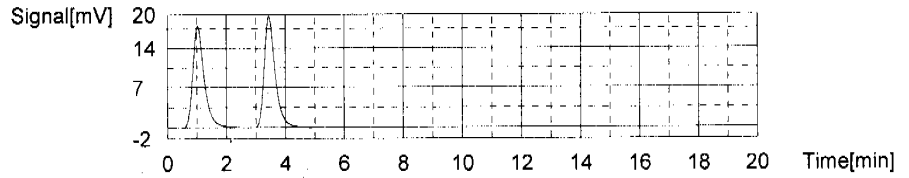
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:6.770mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	47.57	6.562mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 4:07:26 AM
2	50.65	6.979mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 4:10:07 AM

Mean Area 49.11  
Mean Conc. 6.770mg/L  
CV Area 4.43%



Sample

Sample Name: JA30201-8  
Sample ID:  
Origin: TOCAQ.met  
Status: Completed  
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:6.062mg/L

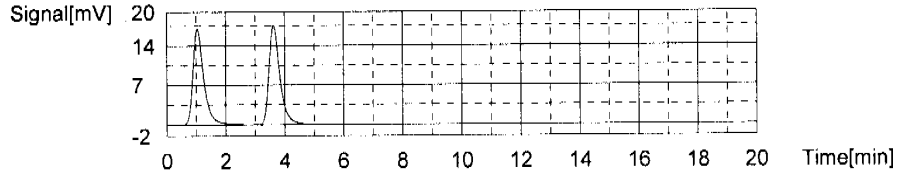
1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	42.84	5.921mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 4:22:56 AM
2	44.92	6.203mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 4:25:36 AM

8.1.2  
8

Mean Area 43.88  
Mean Conc. 6.062mg/L  
CV Area 3.35%



Sample

Sample Name: JA30201-9  
Sample ID:  
Origin: TOCAQ.met  
Status: Completed  
Chk. Result

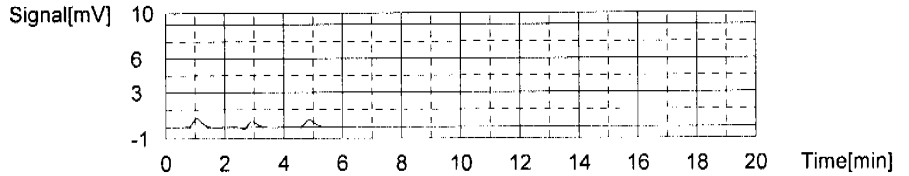
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2986mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	1.702	0.3518mg/L	E	c91012w1.2009_10_12_14_34_33.cal	10/18/2009 4:37:44 AM
2	1.251	0.2908mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 4:39:50 AM
3	1.366	0.3064mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 4:41:56 AM

Mean Area 1.309  
Mean Conc. 0.2986mg/L  
CV Area 6.21%



Sample

Sample Name: JA30144-5  
Sample ID:  
Origin: TOCAQ.met  
Status: Completed  
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.566mg/L

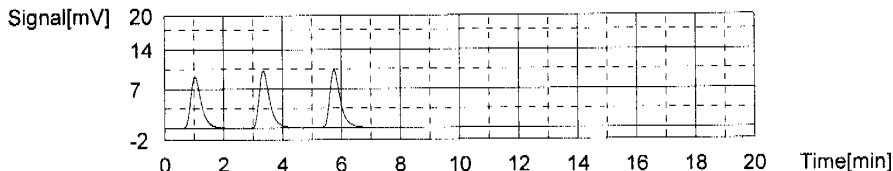
1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	23.33	3.280mg/L	E	c91012w1.2009_10_12_14_34_33.cal	10/18/2009 4:54:22 AM
2	25.35	3.553mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 4:56:58 AM
3	25.57	3.583mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 4:59:35 AM

3.47  
Avg of 3 ug

Mean Area 25.46  
 Mean Conc. 3.568mg/L  
 CV Area 0.61%



Sample

Sample Name: JA30064-1A  
 Sample ID:  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result

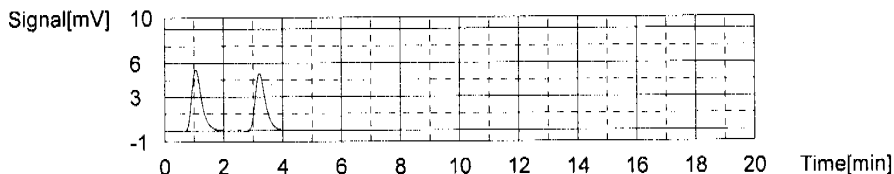
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.847mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	12.82	1.857mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 5:11:54 AM
2	12.67	1.837mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 5:14:12 AM

Mean Area 12.75  
 Mean Conc. 1.847mg/L  
 CV Area 0.83%



Sample

Sample Name: JA29961-2  
 Sample ID:  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3373mg/L

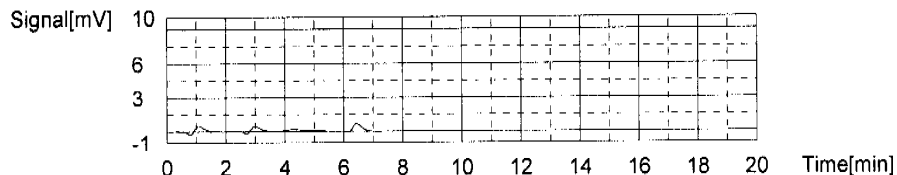
1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	1.570	0.3340mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 5:26:20 AM
2	2.790	0.4991mg/L	E	c91012w1.2009_10_12_14_34_33.cal	10/18/2009 5:30:01 AM
3	1.619	0.3406mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 5:32:07 AM

8.1.2  
8

Mean Area 1.595  
 Mean Conc. 0.3373mg/L  
 CV Area 2.17%



Sample

Sample Name: JA29961-3  
 Sample ID:  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result

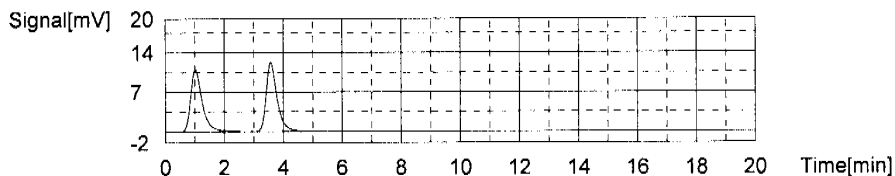
Type	Anal.	Dil.	Result
Unknown	NPOC	5.000	NPOC:21.26mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	29.47	20.56mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 5:44:47 AM
2	31.55	21.96mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 5:47:27 AM

Mean Area 30.51  
 Mean Conc. 21.26mg/L  
 CV Area 4.82%



Sample

Sample Name: JA29961-4  
 Sample ID:  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	5.000	NPOC:43.01mg/L

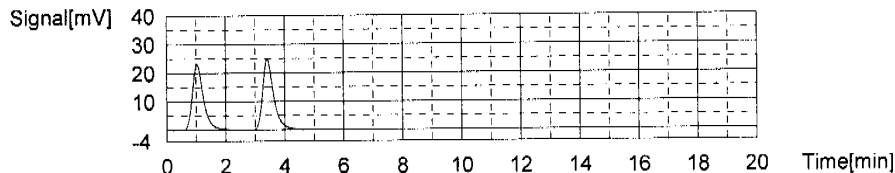
1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	60.50	41.56mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 6:00:05 AM
2	64.77	44.45mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 6:02:51 AM



Mean Area 62.63  
 Mean Conc. 43.01mg/L  
 CV Area 4.82%



Sample

Sample Name: JA29961-5  
 Sample ID:  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result

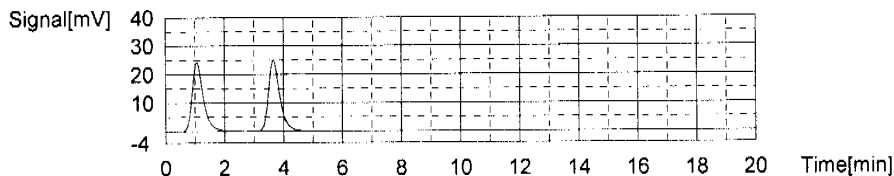
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:9.024mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	64.08	8.797mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 6:15:39 AM
2	67.44	9.252mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 6:18:27 AM

Mean Area 65.76  
 Mean Conc. 9.024mg/L  
 CV Area 3.61%



Sample

Sample Name: JA29961-9  
 Sample ID:  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result

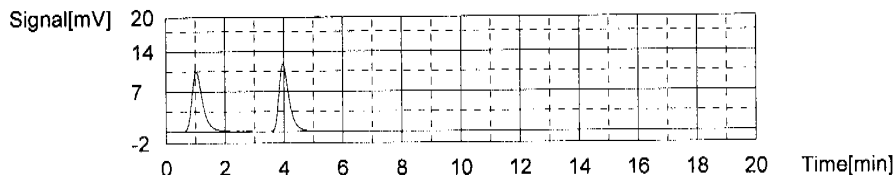
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.865mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	26.84	3.755mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 6:31:36 AM
2	28.46	3.974mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 6:34:12 AM

Mean Area 27.65  
 Mean Conc. 3.865mg/L  
 CV Area 4.14%



Sample

Sample Name: CCV  
 Sample ID:  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC: 14.43mg/L

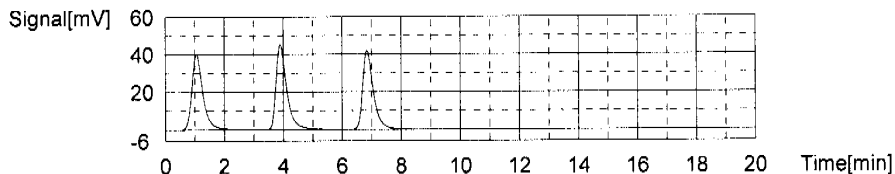
14.84  
 10/19/09  
 Ave of 3 passing  
 my

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	104.7	14.30mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 6:47:15 AM
2	114.8	15.66mg/L	E	c91012w1.2009_10_12_14_34_33.cal	10/18/2009 6:50:23 AM
3	106.7	14.57mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 6:53:16 AM

Mean Area 105.7  
 Mean Conc. 14.43mg/L  
 CV Area 1.34%



Sample

Sample Name: CCB  
 Sample ID:  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC: 0.3288mg/L

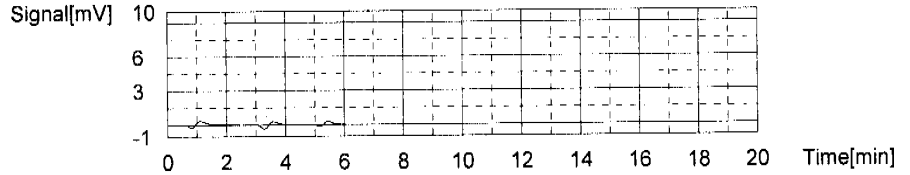
1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	1.722	0.3546mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 7:05:52 AM
2	1.341	0.3030mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 7:07:58 AM
3	0.8811	0.2407mg/L	E	c91012w1.2009_10_12_14_34_33.cal	10/18/2009 7:10:04 AM

8.12  
 8

Mean Area 1.531  
Mean Conc. 0.3288mg/L  
CV Area 17.59%



Sample

Sample Name: JA29961-10  
Sample ID:  
Origin: TOCAQ.met  
Status: Completed  
Chk. Result

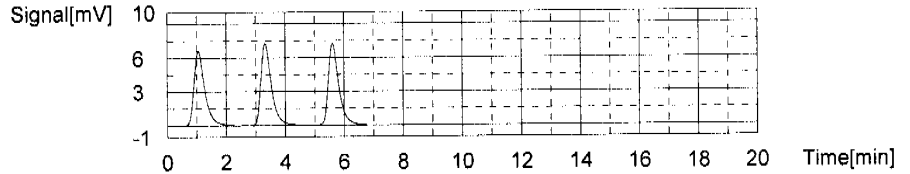
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC: 2.47 mg/L 2.522 mg/L Ave of 3 usg

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	16.61	2.370mg/L	E	c91012w1.2009_10_12_14_34_33.cal	10/18/2009 7:22:29 AM
2	17.83	2.535mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 7:24:59 AM
3	17.63	2.508mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 7:27:23 AM

Mean Area 17.73  
Mean Conc. 2.522mg/L  
CV Area 0.80%



Sample

Sample Name: JA29961-11  
Sample ID:  
Origin: TOCAQ.met  
Status: Completed  
Chk. Result

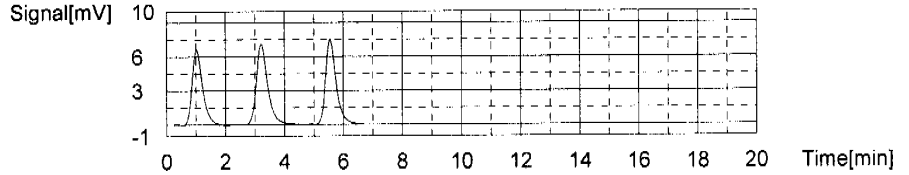
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC: 53.12mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	16.61	47.40mg/L	E	c91012w1.2009_10_12_14_34_33.cal	10/18/2009 7:39:42 AM
2	18.66	52.95mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 7:42:17 AM
3	18.78	53.28mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 7:44:37 AM

Mean Area 18.72  
 Mean Conc. 53.12mg/L  
 CV Area 0.45%



Sample

Sample Name: JA29961-12  
 Sample ID:  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result

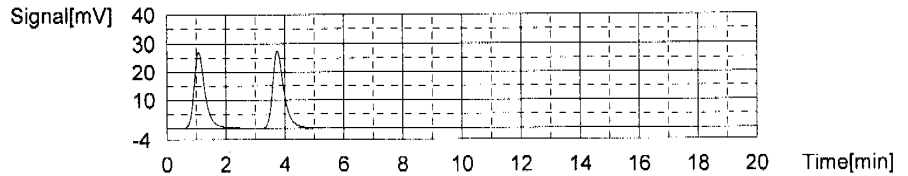
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:9.796mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	69.73	9.562mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 7:57:28 AM
2	73.19	10.03mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 8:00:17 AM

Mean Area 71.46  
 Mean Conc. 9.796mg/L  
 CV Area 3.42%



Sample

Sample Name: JA29961-13  
 Sample ID:  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:10.08mg/L

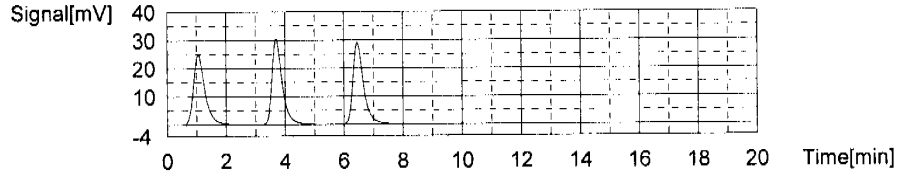
1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	67.96	9.322mg/L	E	c91012w1.2009_10_12_14_34_33.cal	10/18/2009 8:13:10 AM
2	74.26	10.18mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 8:16:06 AM
3	72.80	9.977mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 8:18:53 AM

9.83  
*9.83*  
 Ave. of 3 mg

Mean Area 73.53  
 Mean Conc. 10.08mg/L  
 CV Area 1.40%



Sample

Sample Name: CCV  
 Sample ID:  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result

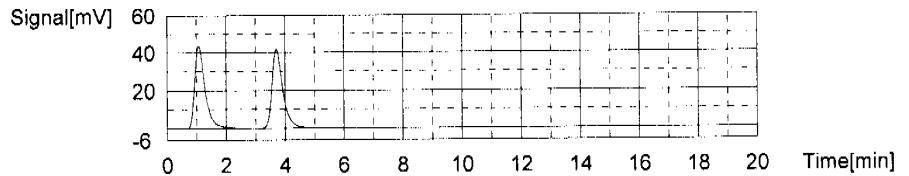
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:14.63mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	106.9	14.59mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 8:31:42 AM
2	107.5	14.68mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 8:34:28 AM

Mean Area 107.2  
 Mean Conc. 14.63mg/L  
 CV Area 0.40%



Sample

Sample Name: CCB  
 Sample ID:  
 Origin: TOCAQ.met  
 Status: Completed  
 Chk. Result

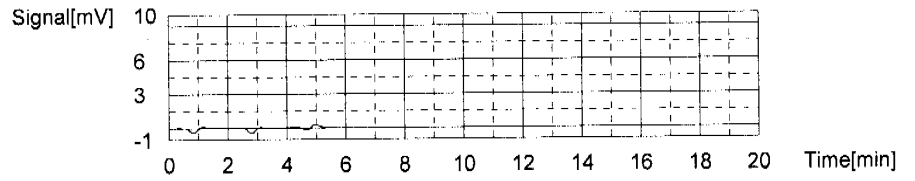
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2494mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Ex.	Cal. Curve	Date / Time
1	0.9934	0.2559mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 8:46:37 AM
2	0.7800	0.2270mg/L	E	c91012w1.2009_10_12_14_34_33.cal	10/18/2009 8:48:43 AM
3	0.8973	0.2429mg/L		c91012w1.2009_10_12_14_34_33.cal	10/18/2009 8:50:49 AM

Mean Area 0.9454  
Mean Conc. 0.2494mg/L  
CV Area 7.19%



8.12  
8



Misc. Raw Data

Raw Data



Aqueous Digestion Log MP Batch ID: \_\_\_\_\_  
 ICP DIGESTION METHOD: SW846 3010A  
 Heating Method (circle one): Digestion Block / Hot Plates

Method Blank ID:	Prep Date: 10/13/09
Lab Control/Spike Blank ID:	Start Time: _____ Start Temp: _____ Thermometer ID #: _____
Lab Control Source:	End Time: _____ End Temp: _____
DUP 1 Sample ID:	Acceptable temperature Ranges: EPA 200.7 90 to 95 deg. C SW846 3010A, 3020A, 3050B 90 to 95 deg. C
DUP 2 Sample ID:	
MS 1 Sample ID:	
MS 2 Sample ID:	

Note: Serial dilution shown for QC tracking only. Not a separate digestate.

Sample ID	Pres Y/N	Initial Sample Volume	Final Volume in ML	Acids Used		Spikes Used		Comments
				Amount and Name	Added - Y or N	Amount and Name	Added - Y or N	
MP -MB	N			3.0 ml conc. HNO3				
MP -LC				5.0 ml 1:1 HCL				
MP -S						0.50 ml SP, 0.50 ml MIN1		
MP -S						0.50 ml SP, 0.50 ml MIN1		
MP -SD								
1 JA 30031-8F								2.0 ml of Conc. HNO3
2 -9F								lot: #, 4024
3 -11F								exp. 10/11 JT Baker
4 -12F								
5 -13F								
6 -14F								
7 -16F								
8 -15F								Filter lot no. F9CN 58596
9 JA 30031-FB								(Fisher)
10								exp. 3/2011
11								
12								
13								
14								
15								
16								
17								
18								BM
19								10/13/09
20								

Analyst: *[Signature]* 10/13/09  
 QC Reviewer: \_\_\_\_\_

Form AA-018A (3010A)  
 Rev. Date: 01/12/09

9.1  
 9





ACCUTEST

Aqueous Digestion Log MP Batch ID: \_\_\_\_\_

ICP DIGESTION METHOD: SW846 3010A

Heating Method (circle one): Digestion Block / Hot Plates

Method Blank ID:	Prep Date: 10/13/09
Lab Control/Spike Blank ID:	Start Time: _____ Start Temp: _____ Thermometer ID #: _____
Lab Control Source:	End Time: _____ End Temp: _____
DUP 1 Sample ID:	Acceptable temperature Ranges: EPA 200.7 90 to 95 deg. C SW846 3010A, 3020A, 3050B 90 to 95 deg. C
DUP 2 Sample ID:	
MS 1 Sample ID:	
MS 2 Sample ID:	

Note: Serial dilution shown for QC tracking only. Not a separate digestate.

Sample ID	Pres Y/N	Initial Sample Volume	Final Volume in ML	Acids Used		Spikes Used		Comments
				Amount and Name	Added - Y or N	Amount and Name	Added - Y or N	
MP -MB	N			3.0 ml conc. HNO3				
MP -LC				5.0 ml 1:1 HCL				
MP -S						0.50 ml SP, 0.50 ml MIN1		
MP -S						0.50 ml SP, 0.50 ml MIN1		
MP -SD								
1 JA 30201-1F								2.0 ml of Conc. HNO <sub>3</sub>
2 -2F								lot: #, 4029
3 -3F								exp=10/11 JT Baker
4 -4F								
5 -5F								
6 -6F								
7 -7F								
8 JA 30089-2F								Filter lot no F9CN 08596
9 JA 30173-1F								(fisher)
10 JA 30031-1F								exp. 3/2011
11 -2F								
12 -3F								
13 -4F								
14 -5F								
15 -6F								
16 -7F								
17 JA 30201-FB								
18 JA 30089-FB								
19 JA 30173-FB								
20 JA 30031-FB								

Analyst: *ptre mahi* 10/13/09  
 QC Reviewer: \_\_\_\_\_

Form AA-018A (3010A)  
 Rev. Date: 01/12/09

9.1  
 9



FILTRATION

Aqueous Digestion Log MP Batch ID: \_\_\_\_\_

ICP DIGESTION METHOD: SW846 3010A

Heating Method (circle one): Digestion Block / Hot Plates

Method Blank ID: _____		Prep Date: <u>10/19/09</u>	
Lab Control/Spike Blank ID: _____	Start Time: _____	Start Temp: _____	Thermometer ID #: _____
Lab Control Source: _____	End Time: _____ End Temp: _____		
DUP 1 Sample ID: _____	Acceptable temperature Ranges: EPA 200.7                      90 to 95 deg. C SW846 3010A, 3020A, 3050B      90 to 95 deg. C		
DUP 2 Sample ID: _____			
MS 1 Sample ID: <u>None</u>			
MS 2 Sample ID: _____			

Note: Serial dilution shown for QC tracking only. Not a separate digestate.

Sample ID	Pres Y/N	Initial Sample Volume	Final Volume in ML	Acids Used		Spikes Used		Comments
				Amount and Name	Added - Y or N	Amount and Name	Added - Y or N	
MP -MB	N			3.0 ml conc. HNO <sub>3</sub>				
MP -LC				5.0 ml 1:1 HCL				
MP -S						0.50 ml SP, 0.50 ml MIN1		
MP -S						0.50 ml SP, 0.50 ml MIN1		
MP -SD								
1 JA 30629-1F								
2 JA 30630-2F								
3 JA 30201-8F								
4 JA 30353-2F								
5 JA 30629-FB								2.0 ml Conc HNO <sub>3</sub>
6 JA 30630-FB								lot no. H14024
7 JA 30201-FB								exp. 10/14 J.T. Baker
8 JA 30353-FB								
9								
10								
11								Filter paper
12								
13								lot no. F9CN58596
14								exp. 3/11
15								
16								
17								
18								
19								
20								

Analyst: Mitcher Mawle 10/19/09      QC Reviewer: \_\_\_\_\_

Form AA-018A (3010A)  
Rev. Date: 01/12/09

9.2  
9



FILTRATION

Aqueous Digestion Log MP Batch ID: \_\_\_\_\_  
 ICP DIGESTION METHOD: SW846 3010A  
 Heating Method (circle one): Digestion Block / Hot Plates

Method Blank ID:	Prep Date: 10/19/09
Lab Control/Spike Blank ID:	Start Time: _____ Start Temp: _____ Thermometer ID #: _____
Lab Control Source:	End Time: _____ End Temp: _____
DUP 1 Sample ID:	Acceptable temperature Ranges: EPA 200.7 90 to 95 deg. C SW846 3010A, 3020A, 3050B 90 to 95 deg. C
DUP 2 Sample ID:	
MS 1 Sample ID:	
MS 2 Sample ID:	

Note: Serial dilution shown for QC tracking only. Not a separate digestate.

Sample ID	Pres Y/N	Initial Sample Volume	Final Volume in ML	Acids Used		Spikes Used		Comments
				Amount and Name	Added - Y or N	Amount and Name	Added - Y or N	
MP -MB	Y			3.0 ml conc. HNO3				
MP -LC				5.0 ml 1:1 HCL				
MP -S						0.50 ml SP, 0.50 ml MIN1		
MP -S						0.50 ml SP, 0.50 ml MIN1		
MP -SD								
1 JA 30630-2F								
2 JA 30629-1F								
3 JA 30201-8F								
4 JA 30353-2F								
5 JA 30576-1F	Y					2.0 ml Conc HNO3		
6 JA 30630-FB						lot no. H14024		
7 JA 30629-FB						exp. 10/11 J.F. Baker		
8 JA 30201-FB								
9 JA 30353-FB								
10 JA 30576-FB								
11						Filter paper		
12								
13								
14						lot no. F9CN158596		
15						exp. 3/11		
16								
17								
18								
19								
20								

Analyst: *Patricia Mack* 10/17/09  
 QC Reviewer: \_\_\_\_\_

Form AA-018A (3010A)  
 Rev. Date: 01/12/09

9.2  
 9

**Groundwater Samples Collected October 2010 (117-MW-A014)**

Technical Report for

Honeywell International Inc.  
HLANJPR: SA-5 Site 153, Langer

Accutest Job Number: JA59191B

Sampling Date: 10/19/10

Report to:

Mactec

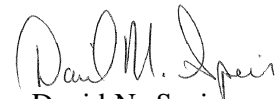
vhlieu@mactec.com

ATTN: Vanthuy Lieu

Total number of pages in report: **214**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.



David N. Speis  
VP, Laboratory Director

Client Service contact: Marty Vitanza 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, PA, RI, SC, TN, VA, WV

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Test results relate only to samples analyzed.

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## Sample Summary

Honeywell International Inc.

Job No: JA59191B

HLANJPR: SA-5 Site 153, Langer

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
JA59191-6	10/19/10	15:08 BS	10/19/10	AQ	Ground Water	117-MW-A14-101910
JA59191-6F	10/19/10	15:08 BS	10/19/10	AQ	Groundwater Filtered	117-MW-A14-101910
JA59191-7	10/19/10	15:30 BS	10/19/10	AQ	Field Blank Water	117-FB-101910



Sample Results

---

Report of Analysis

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## Report of Analysis

<b>Client Sample ID:</b>	117-MW-A14-101910	<b>Date Sampled:</b>	10/19/10
<b>Lab Sample ID:</b>	JA59191-6	<b>Date Received:</b>	10/19/10
<b>Matrix:</b>	AQ - Ground Water	<b>Percent Solids:</b>	n/a
<b>Project:</b>	HLANJPR: SA-5 Site 153, Langer		

### Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Chromium	40.7	4.0	ug/l	1	11/01/10	11/02/10 ND	EPA 200.8 <sup>1</sup>	EPA 200.8 <sup>2</sup>

(1) Instrument QC Batch: MA25287

(2) Prep QC Batch: MP55425

---

RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b>	117-MW-A14-101910	<b>Date Sampled:</b>	10/19/10
<b>Lab Sample ID:</b>	JA59191-6	<b>Date Received:</b>	10/19/10
<b>Matrix:</b>	AQ - Ground Water	<b>Percent Solids:</b>	n/a
<b>Project:</b>	HLANJPR: SA-5 Site 153, Langer		

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	0.031	0.0055	mg/l	1	10/20/10 13:43	BD	SW846 7199

RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b>	117-MW-A14-101910	<b>Date Sampled:</b>	10/19/10
<b>Lab Sample ID:</b>	JA59191-6F	<b>Date Received:</b>	10/19/10
<b>Matrix:</b>	AQ - Groundwater Filtered	<b>Percent Solids:</b>	n/a
<b>Project:</b>	HLANJPR: SA-5 Site 153, Langer		

### Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Chromium	38.9	4.0	ug/l	1	11/01/10	11/02/10 ND	EPA 200.8 <sup>1</sup>	EPA 200.8 <sup>2</sup>

(1) Instrument QC Batch: MA25287

(2) Prep QC Batch: MP55425

---

RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b>	117-MW-A14-101910	<b>Date Sampled:</b>	10/19/10
<b>Lab Sample ID:</b>	JA59191-6F	<b>Date Received:</b>	10/19/10
<b>Matrix:</b>	AQ - Groundwater Filtered	<b>Percent Solids:</b>	n/a
<b>Project:</b>	HLANJPR: SA-5 Site 153, Langer		

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	0.021	0.0055	mg/l	1	10/20/10 13:58	BD	SW846 7199

RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b>	117-FB-101910	<b>Date Sampled:</b>	10/19/10
<b>Lab Sample ID:</b>	JA59191-7	<b>Date Received:</b>	10/19/10
<b>Matrix:</b>	AQ - Field Blank Water	<b>Percent Solids:</b>	n/a
<b>Project:</b>	HLANJPR: SA-5 Site 153, Langer		

### Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Chromium	< 4.0	4.0	ug/l	1	11/01/10	11/02/10 ND	EPA 200.8 <sup>1</sup>	EPA 200.8 <sup>2</sup>

(1) Instrument QC Batch: MA25287

(2) Prep QC Batch: MP55425

---

RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b>	117-FB-101910	<b>Date Sampled:</b>	10/19/10
<b>Lab Sample ID:</b>	JA59191-7	<b>Date Received:</b>	10/19/10
<b>Matrix:</b>	AQ - Field Blank Water	<b>Percent Solids:</b>	n/a
<b>Project:</b>	HLANJPR: SA-5 Site 153, Langer		

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.0055	0.0055	mg/l	1	10/20/10 14:30	BD	SW846 7199

RL = Reporting Limit

## Misc. Forms

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### Custody Documents and Other Forms

---

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

ACCUTEST  
 Fresh Ponds Corporate Village, Building B  
 2235 Route 130, Dayton, New Jersey 08810  
 732-329-0200 Phone, 732-329-3499 Fax

**Honeywell** Chain Of Custody / Analysis Request

AESI Ref: 38439-43025  
 COC #: 37460-101910  
 Lab Use Only  
 Lab Proj #  
 Lab ID ACTD

Privileged & Confidential  Y Site Name: HUDSONCO  
 EDD To: Agshust (MACTEC) Location of Site: SA5, Site 153, Langer  
 Client Contact: (name, co., address) Sampler: B.Senna  
 Andrew Shust - MACTEC Engineering and Consulting, Inc. P O #  
 200 American Metro Blvd., Suite 113 Analysis Turnaround Time:  
 Hamilton, NJ 08619 Standard -  
 agshust@macotec.com Rush Charges Authorized for - Y  
 2 weeks -  
 Hardcopy Report To: See above 1 week -  
 Invoice To: Maria Kaouris - Honeywell PM 101 Next Day -  
 Columbia Rd, Morristown, NJ 07962

PAGE 1 of 3  
 Job No: JA59191  
 What is in the Text File?  
 Mouse over here.  
 Written and maintained by AESI (Ver 3.7) 02.01.05 rene.sauriol@aol.com

Sample Identification				Sample Date	Sample Time	Sample Type	Sample Matrix	Sample Purpose	# of Cont.	Units	Disolved CHROMIUM VI (7199)	Disolved Total Chromium 200.8	EPA 7199 Hexavalent Chromium	EPA 200.8 Total Chromium
Location ID	Start Depth (ft)	End Depth (ft)	Field Sample ID							ug/L	ug/L	ug/L	ug/L	
1	153-MW-5		153-MW-5-101910	10/19/2010	1147	GW	Water	REG	2	grab	N		X	X
2	153-MW-5	1F	153-MW-5-101910	10/19/2010	1147	GW	Water	REG	2	grab	Y	X	X	
3	153-MW-5		153-MW-5-101910DP	10/19/2010	1158	GW	Water	FD	2	grab	N		X	X
4	153-MW-5	2F	153-MW-5-101910DPF	10/19/2010	1158	GW	Water	FD	2	grab	Y	X	X	
5	153-MW-5		153-MW-5-101910MS	10/19/2010	1147	GW	Water	MS	2	grab	N		X	X
6	153-MW-5		153-MW-5-101910MSF	10/19/2010	1147	GW	Water	MS	2	grab	Y	X	X	
7	153-MW-5	1F	153-MW-5-101910MD	10/19/2010	1147	GW	Water	MSD	2	grab	N		X	X
8	153-MW-5		153-MW-5-101910MDF	10/19/2010	1147	GW	Water	MSD	2	grab	Y	X	X	
9				10/19/2010										
10	153-MW-2	3F	153-MW-2-101910	10/19/2010	1307	GW	Water	REG	2	grab	N		X	X
11	153-MW-2		153-MW-2-101910	10/19/2010	1307	GW	Water	REG	2	grab	Y	X	X	

Lab Sample Numbers  
 AMET 18  
 ME47

TOTAL CHROME ANALYZED BY METHOD 200.8, HEX CHROME BY 7199

Relinquished by:	Company: MACTEC	Received by:	Company:	Condition: Cooler Temp.	Custody Seals Intact:
Date/Time: 10/19/2010 17:00	Date/Time: 3/6/2009 12:30				

Preservatives: 0 = None; 1 = HCL; 2 = HNO3; 3 = H2SO4; 4 = NaOH; 5 = Zn, Acetate; 6 = MeOH; 7 = NaHSO4; 8 = Other (specify):

**ALL SAMPLES RECEIVED  
 PRESERVED AS APPLICABLE**

1.2, 0.2 C  
 Kw



52

<b>ACCUTEST</b> Fresh Ponds Corporate Village, Building B 2235 Route 130, Dayton, New Jersey 08810 732-329-0200 Phone, 732-329-3499 Fax			<b>Honeywell Chain Of Custody / Analysis Request</b>										AESI Ref: 38439-43925 COC #: 37394-101910 Lab Use Only																																																																																																																																																																																																																																																																																																											
Privileged & Confidential <input type="checkbox"/> Y			Site Name: HUDSONCO										Lab Proj # Lab ID ACTD																																																																																																																																																																																																																																																																																																											
Client Contact: (name, co., address) Andrew Shust - MACTEC Engineering and Consulting, Inc 200 American Metro Blvd., Suite 113 Hamilton, NJ 08619 agshust@macotec.com			EDD To: Agshust (MACTEC)			Location of Site: SA6S, Site 124							PAGE 2 of 3 Job No. JA59191																																																																																																																																																																																																																																																																																																											
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<b>ACCUTEST</b> Fresh Ponds Corporate Village, Building B 2235 Route 130, Dayton, New Jersey 08810 732-329-0200 Phone, 732-329-3499 Fax		<b>Honeywell Chain Of Custody / Analysis Request</b>						AESI Ref: 38439-43925 COC #: 37287-101910	
Privileged & Confidential <input type="checkbox"/> Y <input type="checkbox"/>		Site Name: HUDSONCO		Lab Use Only		Lab ID: ACTD			
Client Contact: (name, co., address) Andrew Shust - MACTEC Engineering and Consulting, Inc 200 American Metro Blvd., Suite 113 Hamilton, NJ 08619 agshust@mactec.com		EDD To: Agshust (MACTEC)		Location of Site: SA5, Site 117		Lab ID: ACTD			
Hardcopy Report To: See above		PO #		Preservative		PAGE 3 of 3 Job No: JA59191			
Invoice To: Maria Kauris - Honeywell PM Columbia Rd, Morristown, NJ 07962		Analysis Turnaround Time: Standard - Rush Charges Authorized for - 2 weeks - Y		0 0 0 2		What is in the Text File? Mouse over here.			
Sample Identification		Sample Date		Sample Time		Sample Type			
Start Depth (ft)		End Depth (ft)		Field Sample ID		Sample Matrix			
Location ID		Sample Purpose		# of Cont.		# of Cont.			
1 117-MW-A14		10/19/2010		1508		GW Water REG 2			
2 117-MW-A14		10/19/2010		1508		GW Water REG 2			
3 117-QC		10/19/10		1530		GW Water FB 2			
4		5		6		7			
5		6		7		8			
6		7		8		9			
7		8		9		10			
8		9		10		11			
9		10		11		12			
10		11		12		13			
11		12		13		14			
12		13		14		15			
<b>TOTAL CHROME ANALYZED BY METHOD 200.8, HEX BY 7199</b>									
Relinquished by:		Company: MACTEC		Received by:		Condition:			
Date/Time: 10/19/10 1730		Date/Time: 10/19/10 1730		Date/Time: 3/6/2009 12:30		Cooler Temp.			
Relinquished by:		Company:		Received by:		Condition:			
Date/Time:		Date/Time:		Date/Time:		Cooler Temp.			
Preservatives: 0 = None; [1 = HCL]; [2 = HNO3]; [3 = H2SO4]; [4 = NaOH]; [5 = Zn. Acetate]; [6 = MeOH]; [7 = NaHSO4]; 8 = Other (specify):									

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**JA59191B: Chain of Custody**  
**Page 3 of 6**



# Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JA59191

Client: MACTEC-NJ

Immediate Client Services Action Required: No

Date / Time Received: 10/19/2010 1700

Delivery Method: Client

Client Service Action Required at Login: Yes

Project: HONEYWELL

No. Coolers: 2

Airbill #'s:

### Cooler Security

Y or N

Y or N

- 1. Custody Seals Present:        3. COC Present:
- 2. Custody Seals Intact:        4. Smpl Dates/Time OK

### Cooler Temperature

Y or N

- 1. Temp criteria achieved:
- 2. Cooler temp verification: Infrared gun
- 3. Cooler media: Ice (bag)

### Quality Control Preservatio

Y

N

N/A

- 1. Trip Blank present / cooler:
- 2. Trip Blank listed on COC:
- 3. Samples preserved properly:
- 4. VOCs headspace free:

### Comments

-4 LABEL TIME 1439 NOT 1448, ID AND DATE OK

### Sample Integrity - Documentation

Y or N

- 1. Sample labels present on bottles:
- 2. Container labeling complete:
- 3. Sample container label / COC agree:

### Sample Integrity - Condition

Y or N

- 1. Sample recvd within HT:
- 2. All containers accounted for:
- 3. Condition of sample: Intact

### Sample Integrity - Instructions

Y

N

N/A

- 1. Analysis requested is clear:
- 2. Bottles received for unspecified tests:
- 3. Sufficient volume recvd for analysis:
- 4. Compositing instructions clear:
- 5. Filtering instructions clear:



## Sample Receipt Summary - Problem Resolution

Accutest Job Number: JA59191

CSR: Marie Meidhof

Response Date 10/20/2010

Response: Please follow the sample time as per the coc for -4.

3.1  
3

Accutest Laboratories  
V:732.329.0200

2235 US Highway 130  
F: 732.329.3499

Dayton, New Jersey  
[www.accutest.com](http://www.accutest.com)

**JA59191B: Chain of Custody**  
**Page 5 of 6**

**Job Change Order:** JA59191\_11/12/2010 <sup>+A&B</sup>

<b>Requested Date:</b>	11/12/2010	<b>Received Date:</b>	10/19/2010
<b>Account Name:</b>	Honeywell International Inc.	<b>Due Date:</b>	11/2/2010
<b>Project Description:</b>	HLANJPR: SA-5 Site 153, Langer	<b>Deliverable:</b>	FULT1
<b>CSR:</b>	MV	<b>TAT (Days):</b>	1

**Sample #:** JA59191-4, 5      **Change:** Move these two samples to an "A" job

**Sample #:** JA59191-6, 7      **Change:** Move these two samples to a "B" job

**Above Changes**      VanThuy Lieu

**Date:** 11/12/2010

**JA59191B: Chain of Custody**  
**Page 6 of 6**

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service Representative.

### Internal Sample Tracking Chronicle

Honeywell International Inc.

Job No: JA59191B

HLANJPR: SA-5 Site 153, Langer

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JA59191-6 Collected: 19-OCT-10 15:08 By: BS Received: 19-OCT-10 By: MPC 117-MW-A14-101910						
JA59191-6	SW846 7199	20-OCT-10 13:43	BD	20-OCT-10	BD	XCR7199
JA59191-6	EPA 200.8	02-NOV-10 17:09	ND	01-NOV-10	RP	CRMS
JA59191-7 Collected: 19-OCT-10 15:30 By: BS Received: 19-OCT-10 By: MPC 117-FB-101910						
JA59191-7	SW846 7199	20-OCT-10 14:30	BD	20-OCT-10	BD	XCR7199
JA59191-7	EPA 200.8	02-NOV-10 17:13	ND	01-NOV-10	RP	CRMS
JA59191-6F Collected: 19-OCT-10 15:08 By: BS Received: 19-OCT-10 By: MPC 117-MW-A14-101910						
JA59191-6F	SW846 7199	20-OCT-10 13:58	BD	20-OCT-10	BD	XCR7199
JA59191-6F	EPA 200.8	02-NOV-10 17:05	ND	01-NOV-10	RP	CRMS

# Accutest Internal Chain of Custody

**Job Number:** JA59191B  
**Account:** HWINJM Honeywell International Inc.  
**Project:** HLANJPR: SA-5 Site 153, Langer  
**Received:** 10/19/10

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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA59191-6.1	Secured Storage	Todd Shoemaker	10/29/10 08:42	Retrieve from Storage
JA59191-6.1	Todd Shoemaker	Vidya Krishnan	10/29/10 08:44	Custody Transfer
JA59191-6.1	Vidya Krishnan	Secured Storage	10/29/10 16:56	Return to Storage
JA59191-6.1	Secured Storage	Adam Scott	11/01/10 07:16	Retrieve from Storage
JA59191-6.1	Adam Scott	Rinku Patel	11/01/10 08:02	Custody Transfer
JA59191-6.1	Rinku Patel	Secured Storage	11/01/10 16:35	Return to Storage
JA59191-6.1	Dave Hunkele		11/29/10 05:43	Disposed
JA59191-6.1.1	Rinku Patel	Metals Digestion	11/01/10 13:45	Digestate from JA59191-6.1
JA59191-6.1.1	Metals Digestion	Rinku Patel	11/01/10 13:45	Digestate from JA59191-6.1
JA59191-6.1.1	Rinku Patel	Metals Digestate Storage	11/01/10 13:45	Return to Storage
JA59191-6.3	Secured Storage	Adam Scott	10/20/10 07:06	Retrieve from Storage
JA59191-6.3	Adam Scott	Barbara Dula	10/20/10 07:08	Custody Transfer
JA59191-6.3	Barbara Dula	Secured Storage	10/20/10 14:09	Return to Storage
JA59191-6.3	Dave Hunkele		11/29/10 05:43	Disposed
JA59191-6F.2	Secured Storage	Todd Shoemaker	10/29/10 08:42	Retrieve from Storage
JA59191-6F.2	Todd Shoemaker	Vidya Krishnan	10/29/10 08:44	Custody Transfer
JA59191-6F.2	Vidya Krishnan	Secured Storage	10/29/10 16:56	Return to Storage
JA59191-6F.2	Secured Storage	Adam Scott	11/01/10 07:16	Retrieve from Storage
JA59191-6F.2	Adam Scott	Rinku Patel	11/01/10 08:02	Custody Transfer
JA59191-6F.2	Rinku Patel	Secured Storage	11/01/10 16:35	Return to Storage
JA59191-6F.2	Dave Hunkele		11/29/10 05:43	Disposed
JA59191-6F.2.1	Rinku Patel	Metals Digestion	11/01/10 13:45	Digestate from JA59191-6F.2
JA59191-6F.2.1	Metals Digestion	Rinku Patel	11/01/10 13:45	Digestate from JA59191-6F.2
JA59191-6F.2.1	Rinku Patel	Metals Digestate Storage	11/01/10 13:45	Return to Storage
JA59191-6F.4	Secured Storage	Zethan Reyes	10/20/10 09:27	Retrieve from Storage
JA59191-6F.4	Zethan Reyes	Barbara Dula	10/20/10 09:29	Custody Transfer
JA59191-6F.4	Barbara Dula	Secured Storage	10/20/10 14:09	Return to Storage
JA59191-6F.4	Dave Hunkele		11/29/10 05:43	Disposed
JA59191-7.1	Secured Storage	Adam Scott	11/01/10 07:16	Retrieve from Storage
JA59191-7.1	Adam Scott	Rinku Patel	11/01/10 08:02	Custody Transfer
JA59191-7.1	Rinku Patel	Secured Storage	11/01/10 16:35	Return to Storage
JA59191-7.1	Dave Hunkele		11/29/10 05:43	Disposed
JA59191-7.1.1	Rinku Patel	Metals Digestion	11/01/10 13:45	Digestate from JA59191-7.1
JA59191-7.1.1	Metals Digestion	Rinku Patel	11/01/10 13:45	Digestate from JA59191-7.1
JA59191-7.1.1	Rinku Patel	Metals Digestate Storage	11/01/10 13:45	Return to Storage
JA59191-7.4	Secured Storage	Adam Scott	10/20/10 07:06	Retrieve from Storage

# Accutest Internal Chain of Custody

**Job Number:** JA59191B  
**Account:** HWINJM Honeywell International Inc.  
**Project:** HLANJPR: SA-5 Site 153, Langer  
**Received:** 10/19/10



<b>Sample.Bottle Number</b>	<b>Transfer FROM</b>	<b>Transfer TO</b>	<b>Date/Time</b>	<b>Reason</b>
JA59191-7.4	Adam Scott	Barbara Dula	10/20/10 07:08	Custody Transfer
JA59191-7.4	Barbara Dula	Secured Storage	10/20/10 14:09	Return to Storage
JA59191-7.4	Dave Hunkele		11/29/10 05:43	Disposed



## Metals Analysis

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### QC Data Summaries

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Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- IDL and Linear Range Summaries

Accutest Laboratories Instrument Runlog  
Inorganics Analyses

Login Number: JA59191B  
 Account: HWINJM - Honeywell International Inc.  
 Project: HLANJPR: SA-5 Site 153, Langer

File ID: X110210W1.CSV  
 Analyst: ND  
 Parameters: Cr

Date Analyzed: 11/02/10      Methods: EPA 200.8  
 Run ID: MA25287

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:26	MA25287-STD1	1		STD1
13:30	MA25287-STD2	1		STD2
13:33	MA25287-STD3	1		STD3
13:37	MA25287-STD4	1		STD4
13:41	MA25287-STD5	1		STD5
13:45	MA25287-STD6	1		STD6
13:48	MA25287-STD7	1		STD7
13:52	MA25287-ICV1	1		
13:56	MA25287-ICB1	1		
13:59	ZZZZZ	1		
14:03	MA25287-CRI1	1		
14:07	MA25287-CRIA1	1		
14:10	MA25287-CCV1	1		
14:14	MA25287-CCB1	1		
14:18	MP55424-MB1	1		
14:22	MP55424-LC1	1		
14:25	MP55424-S1	1		
14:29	MP55424-S2	1		
14:33	JA59191-1	1		(sample used for QC only; not part of login JA59191B)
14:36	MP55424-S3	1		
14:40	MP55424-S4	1		
14:44	JA59191-1F	1		(sample used for QC only; not part of login JA59191B)
14:47	ZZZZZ	1		
14:51	MA25287-CCV2	1		
14:55	MA25287-CCB2	1		
14:59	ZZZZZ	1		
15:02	ZZZZZ	1		
15:06	ZZZZZ	1		
15:10	ZZZZZ	1		
15:13	ZZZZZ	1		
15:17	ZZZZZ	1		
15:21	ZZZZZ	1		
15:24	MA25287-CCV3	1		

Accutest Laboratories Instrument Runlog  
Inorganics Analyses

Login Number: JA59191B  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 153, Langer

File ID: X110210W1.CSV Date Analyzed: 11/02/10 Methods: EPA 200.8  
Analyst: ND Run ID: MA25287  
Parameters: Cr

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:28	MA25287-CCB3	1		
15:48	MP55464-MB1	1		
15:51	MP55464-B1	1		
15:55	JA58929-1	1		(sample used for QC only; not part of login JA59191B)
15:59	ZZZZZZ	1		
16:03	ZZZZZZ	1		
16:06	ZZZZZZ	1		
16:10	ZZZZZZ	1		
16:14	ZZZZZZ	1		
16:17	ZZZZZZ	1		
16:21	MA25287-CCV4	1		
16:25	MA25287-CCB4	1		
16:28	ZZZZZZ	1		
16:32	ZZZZZZ	1		
16:36	MP55464-S1	1		
16:40	MP55464-S2	1		
16:43	MA25287-CCV5	1		
16:47	MA25287-CCB5	1		
16:51	MP55425-MB1	1		
16:54	MP55425-LC1	1		
16:58	MP55425-S1	1		
17:02	MP55425-S2	1		
17:05	JA59191-6F	1		
17:09	JA59191-6	1		
17:13	JA59191-7	1		
----->	Last reportable sample/prep for job JA59191B			
17:33	ZZZZZZ	1		
17:37	MA25287-CCV6	1		
17:41	MA25287-CCB6	1		
----->	Last reportable CCB for job JA59191B			
17:48	ZZZZZZ	1		
17:52	MP55294-S1	50		To reanalysis, internal stds out on CCV.
17:55	MP55294-S2	50		To reanalysis, internal stds out on CCV.
17:59	T62089-1	50		(sample used for QC only; not part of login JA59191B)
18:03	MP55294-S1	25		

Accutest Laboratories Instrument Runlog  
Inorganics Analyses

Login Number: JA59191B  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 153, Langer

File ID: X110210W1.CSV  
Analyst: ND  
Parameters: Cr

Date Analyzed: 11/02/10  
Run ID: MA25287  
Methods: EPA 200.8

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:07	MP55294-S2	25		
18:10	T62089-1	25		(sample used for QC only; not part of login JA59191B)
18:14	ZZZZZZ	1		
18:18	ZZZZZZ	1		
18:21	ZZZZZZ	1		
18:25	MA25287-CCV7	1		
18:29	MA25287-CCB7	1		
18:32	ZZZZZZ	50		
18:36	ZZZZZZ	50		
18:40	ZZZZZZ	50		
18:44	ZZZZZZ	50		
18:47	ZZZZZZ	50		
18:51	ZZZZZZ	1		
18:55	ZZZZZZ	1		
18:58	ZZZZZZ	1		
19:02	MA25287-CCV8	1		
19:06	MA25287-CCB8	1		
19:09	ZZZZZZ	25		
19:13	ZZZZZZ	25		
19:17	ZZZZZZ	25		
19:21	ZZZZZZ	25		
19:24	ZZZZZZ	25		
19:28	ZZZZZZ	1		
19:32	ZZZZZZ	1		
19:35	ZZZZZZ	1		
19:39	MA25287-CCV9	1		
19:43	MA25287-CCB9	1		
20:00	ZZZZZZ	50		
20:04	ZZZZZZ	50		
20:07	ZZZZZZ	50		
20:11	ZZZZZZ	50		
20:15	ZZZZZZ	50		
20:36	ZZZZZZ	50		

Accutest Laboratories Instrument Runlog  
Inorganics Analyses

Login Number: JA59191B  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 153, Langer

File ID: X110210W1.CSV      Date Analyzed: 11/02/10      Methods: EPA 200.8  
Analyst: ND      Run ID: MA25287  
Parameters: Cr

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:40	ZZZZZZ	50		
20:44	ZZZZZZ	50		
20:55	ZZZZZZ	1		
20:58	ZZZZZZ	1		
21:02	MA25287-CCV10	1		
21:06	MA25287-CCB10	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: JA59191B  
 Account: HWINJM - Honeywell International Inc.  
 Project: HLANJPR: SA-5 Site 153, Langer

File ID: X110210W1.CSV Date Analyzed: 11/02/10 Methods: EPA 200.8  
 Analyst: ND Run ID: MA25287  
 Parameters: Cr

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
13:26	MA25287-STD1	100	100	100	100	100	100	100	100
13:30	MA25287-STD2	104.37	105.2	103.62	103.39	103.17	101.95	102.62	102.64
13:33	MA25287-STD3	101.95	100.14	99.44	99.45	100.64	99.22	100.92	100.74
13:37	MA25287-STD4	100.57	99.19	99.1	99.04	99.48	100.31	100.24	100.01
13:41	MA25287-STD5	96.91	98.72	98.11	97.8	98.34	99.29	97.43	100.34
13:45	MA25287-STD6	95.7	98.36	97.82	98.48	98.06	99.56	98.15	100.69
13:48	MA25287-STD7	100.51	101.2	101.35	100.19	101.51	103	101.19	101.61
13:52	MA25287-ICV1	100.48	100.43	100.83	99.65	101.55	102.76	102.32	103.19
13:56	MA25287-ICB1	99.71	101.58	99.54	100.48	100.09	100.1	99.9	101.5
13:59	ZZZZZ	103.2	101.85	101.45	101.4	100.86	101.25	100.4	102.58
14:03	MA25287-CRI1	107.79	108.24	105.68	106.75	105.1	106.37	105.2	106.09
14:07	MA25287-CRIA1	105.85	104.51	103.56	104.54	103.73	103.65	103.86	105.25
14:10	MA25287-CCV1	98.74	102.7	100.93	101.08	101.07	102.08	102.73	103.93
14:14	MA25287-CCB1	100.21	99.9	101.62	100.38	100.6	99.66	100.13	102.92
14:18	MP55424-MB1	104.56	102.65	102.8	101.53	101.98	101.06	101.63	102.94
14:22	MP55424-LC1	104.13	103.2	103.61	101.33	101.93	103.8	104.31	105.37
14:25	MP55424-S1	94.34	103.44	116.63	93.59	97.79	100.51	100.8	96.93
14:29	MP55424-S2	88.32	102.05	114.95	91.31	95.94	100.36	102.07	98.23
14:33	JA59191-1	87.91	100.03	114.13	91.1	96.41	101.72	102.39	99.53
14:36	MP55424-S3	83.59	92.6	104.91	86.88	92.19	98.46	99.4	97.44
14:40	MP55424-S4	85.94	93.89	105.87	88.7	93.43	100.51	101.39	99.13
14:44	JA59191-1F	90.52	97.83	109.33	90.69	95.06	102	102.98	100.15
14:47	ZZZZZ	84.53	94.48	108.54	88.37	93.11	99.8	100.55	98.77
14:51	MA25287-CCV2	90.99	93.17	98.28	97.78	100	104.17	104.63	108.51
14:55	MA25287-CCB2	90.48	92.94	95.96	96.4	98.52	101.68	101.1	105.28
14:59	ZZZZZ	83.2	90.57	91.14	87	91.17	96.88	98.08	95.11
15:02	ZZZZZ	79.34	96.22	95.5	83.47	89.99	99.38	100.21	87.73
15:06	ZZZZZ	83.6	100.55	104.74	90.49	96.98	105.69	106.95	99.75
15:10	ZZZZZ	85.29	96.83	109.41	90.43	95.75	103.83	104.41	101.68
15:13	ZZZZZ	88.46	97.3	98.58	93.39	98.42	104.73	105.25	102.31
15:17	ZZZZZ	86.97	110.09	106.9	92.69	101.03	109.94	110.73	95.16
15:21	ZZZZZ	87.41	107.68	107.39	96.43	103.29	111.39	112.05	104.29
15:24	MA25287-CCV3	98.41	104.61	107.96	106.14	108.65	113.48	114.22	118.08

INTERNAL STANDARD SUMMARY

Login Number: JA59191B  
 Account: HWINJM - Honeywell International Inc.  
 Project: HLANJPR: SA-5 Site 153, Langer

File ID: X110210W1.CSV Date Analyzed: 11/02/10 Methods: EPA 200.8  
 Analyst: ND Run ID: MA25287  
 Parameters: Cr

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
15:28	MA25287-CCB3	96.4	99.65	105.23	103.9	106.45	109.5	109.2	112.63
15:48	MP55464-MB1	97.57	99.28	102.33	101.47	103.55	104.26	104.16	106.94
15:51	MP55464-B1	98.27	97.94	101.53	100.89	102.87	105.88	106.71	108.88
15:55	JA58929-1	91.02	99.51	100.06	97.52	101.44	107.09	107.58	106.22
15:59	ZZZZZ	96.33	100.92	103.59	100.64	104.2	109.05	109.25	109.62
16:03	ZZZZZ	92.9	99.82	103.64	101.08	104.26	110.5	110.96	111.49
16:06	ZZZZZ	93.71	99.21	103.54	99.83	105.31	111.13	111.87	111.39
16:10	ZZZZZ	84.56	95.68	98.62	93.07	99.68	107.61	108.03	106.19
16:14	ZZZZZ	81.7	91.63	93.59	90.16	95.56	101.82	102.33	104.27
16:17	ZZZZZ	84.56	93.79	94.98	91.63	96.45	102.99	103.42	105.53
16:21	MA25287-CCV4	89.52	91.14	99.08	96.51	100.83	105.77	105.02	109.75
16:25	MA25287-CCB4	90.69	91.86	97.89	96.61	99.12	102.88	103.99	107.07
16:28	ZZZZZ	87.84	92.61	94.9	93.1	97.38	101.61	102.25	105.39
16:32	ZZZZZ	84.55	93.07	94.92	92.1	96.96	102.77	103.13	104.98
16:36	MP55464-S1	82.37	90.59	93.36	90.17	95.35	101.52	102.33	103.45
16:40	MP55464-S2	82.99	94.39	96.31	93.1	99.28	104.43	105.04	106.35
16:43	MA25287-CCV5	88.73	91.17	96.9	96.57	99.84	103.83	103.96	109.06
16:47	MA25287-CCB5	93.46	95.14	98.64	97.52	99.99	103.87	104.54	108.07
16:51	MP55425-MB1	98.5	98.53	103.48	103.46	104.7	106.57	106.45	110.77
16:54	MP55425-LC1	97.6	97.53	102.28	102.07	103.81	107.23	108.36	110.25
16:58	MP55425-S1	94.66	98.83	102.11	93.26	98.69	106.24	107.19	100.83
17:02	MP55425-S2	91.6	96.9	103.08	93.03	98.96	107.24	108.4	102.33
17:05	JA59191-6F	91.45	100.11	104.84	94.7	100.19	108.59	109.64	103.34
17:09	JA59191-6	90.78	96.97	103.08	91.89	98.53	107.08	107.76	101.88
17:13	JA59191-7	92.13	93.66	98.9	98.15	100.63	105.58	105.98	109.21
17:33	ZZZZZ	93.29	92.04	96.14	94.46	96.61	100.29	100.75	104.11
17:37	MA25287-CCV6	91.18	91.88	95.83	93.51	97.21	101.27	100.26	105.12
17:41	MA25287-CCB6	96.89	96.04	98.47	97.88	100.16	103.05	103.41	106.48
17:48	ZZZZZ	92.15	92.44	94.72	93.31	95.94	98.04	98.67	101.82
17:52	MP55294-S1	97.85	0 !	0 !	96.42	105.14	112.11	112.15	96.28
17:55	MP55294-S2	106.35	0 !	0 !	109.45	119.31	125.28 !	125.16 !	106.52
17:59	T62089-1	109.12	0 !	0 !	113.35	123.26	128.54 !	130.16 !	108.71
18:03	MP55294-S1	104.12	130.2 !	129.11 !	107.2	120.22	125.89 !	126.53 !	99.42

INTERNAL STANDARD SUMMARY

Login Number: JA59191B  
 Account: HWINJM - Honeywell International Inc.  
 Project: HLANJPR: SA-5 Site 153, Langer

File ID: X110210W1.CSV Date Analyzed: 11/02/10 Methods: EPA 200.8  
 Analyst: ND Run ID: MA25287  
 Parameters: Cr

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
18:07	MP55294-S2	108.02	136.64 !	147.99 !	112.83	126.47 !	132.3 !	131.79 !	103.88
18:10	T62089-1	106.79	136.6 !	139.12 !	114.23	129.4 !	134.64 !	133.78 !	106.09
18:14	ZZZZZZ	118.34	139.4 !	147.41 !	139.41 !	146.21 !	145.2 !	145.5 !	145.34 !
18:18	ZZZZZZ	114.17	128.71 !	137.09 !	131.01 !	136.57 !	137.32 !	136.52 !	137.06 !
18:21	ZZZZZZ	110.4	122.51	129.4 !	125.11 !	129.85 !	130.63 !	130.55 !	131.43 !
18:25	MA25287-CCV7	109.53	119.22	128.36 !	123.71	128.4 !	130.29 !	130.23 !	132.35 !
18:29	MA25287-CCB7	104.81	113.19	121.3	116.76	121.27	123.58	123.73	125.51 !
18:32	ZZZZZZ	100.93	115.19	121.85	109.35	117.7	123.64	124.66	111.18
18:36	ZZZZZZ	104.1	0 !	0 !	109.94	120.35	126.26 !	126.44 !	107.83
18:40	ZZZZZZ	110.54	0 !	0 !	119.38	129.93 !	134.6 !	134.83 !	113.64
18:44	ZZZZZZ	116.3	0 !	0 !	122.99	134.81 !	139.16 !	137.99 !	117.52
18:47	ZZZZZZ	112.96	0 !	0 !	123.24	134.55 !	139.81 !	138.91 !	116.74
18:51	ZZZZZZ	113.24	128.8 !	137.76 !	130.69 !	136.4 !	136.02 !	135.83 !	137.05 !
18:55	ZZZZZZ	106.45	117.97	125.9 !	121.74	126.1 !	125.98 !	125.63 !	126.93 !
18:58	ZZZZZZ	101.1	110.91	118.68	114.22	118.36	119.33	118.71	120.5
19:02	MA25287-CCV8	100.2	108.13	116.13	113.18	116.18	119.49	119.39	122.2
19:06	MA25287-CCB8	96.64	103.53	112.09	109.15	111.88	114.44	114.22	117.22
19:09	ZZZZZZ	99.27	115.88	121.85	105.11	115.45	121.46	122.24	103.62
19:13	ZZZZZZ	103.86	126.36 !	128.31 !	107.36	119.14	124.98	124.24	99.75
19:17	ZZZZZZ	103.84	132.3 !	134.57 !	111.73	125.71 !	130.15 !	129.83 !	103.73
19:21	ZZZZZZ	102.69	131.6 !	135.95 !	113	126.72 !	131.98 !	132.07 !	104.62
19:24	ZZZZZZ	99.25	126.24 !	130.37 !	108.08	122.39	126.69 !	126.9 !	101.7
19:28	ZZZZZZ	110.24	128.87 !	136.02 !	129.97 !	135.56 !	135.1 !	133.94 !	134.09 !
19:32	ZZZZZZ	106	120.73	127.54 !	121.69	126.74 !	126.7 !	125.95 !	126.66 !
19:35	ZZZZZZ	101.43	114.53	123.47	116.88	122.42	123.21	121.94	122.32
19:39	MA25287-CCV9	99.13	110.17	117.48	113.7	118.89	121.02	120.28	122.82
19:43	MA25287-CCB9	97.6	106.18	114.65	110.83	114.2	114.83	115.24	117.53
20:00	ZZZZZZ	93.75	104.25	111.06	101.02	106.44	112.09	112.01	102.63
20:04	ZZZZZZ	96.15	113.41	118.36	103.7	111.92	117.37	116.54	101.06
20:07	ZZZZZZ	100.87	118.67	122.15	106.75	115.75	120.08	119.9	103.74
20:11	ZZZZZZ	101.67	121.32	0 !	108.85	118.42	122.15	122.15	104.27
20:15	ZZZZZZ	110.32	0 !	0 !	116.64	125.8 !	129.77 !	129.77 !	108.65
20:36	ZZZZZZ	101.78	119.83	122.06	106.66	114.61	118.95	118.91	100.94



INTERNAL STANDARD SUMMARY

Login Number: JA59191B  
 Account: HWINJM - Honeywell International Inc.  
 Project: HLANJPR: SA-5 Site 153, Langer

File ID: X110210W1.CSV      Date Analyzed: 11/02/10      Methods: EPA 200.8  
 Analyst: ND      Run ID: MA25287  
 Parameters: Cr

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
20:40	ZZZZZZ	102.79	122.72	125.95 !	109.11	117.63	122.4	121.49	102.78
20:44	ZZZZZZ	106.96	130.36 !	132.47 !	113.87	122.17	125.72 !	126.21 !	105.7
20:55	ZZZZZZ	99.39	107.19	113.04	109.55	111.57	111.3	110.99	112.82
20:58	ZZZZZZ	95.67	103.92	109.37	106.18	107.39	108.3	107.2	109.21
21:02	MA25287-CCV10	94.18	100.81	108.32	104.46	107.02	107.96	108.37	110.45
21:06	MA25287-CCB10	86.79	90.77	96.86	94.79	96.55	97.28	97.43	100.65

! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Lithium	60-125 %
Istd#2	Scandium	60-125 %
Istd#3	Yttrium	60-125 %
Istd#4	Rhodium	60-125 %
Istd#5	Indium	60-125 %
Istd#6	Terbium	60-125 %
Istd#7	Holmium	60-125 %
Istd#8	Bismuth	60-125 %

4.1.1  
4

BLANK RESULTS SUMMARY  
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: JA59191B  
 Account: HWINJM - Honeywell International Inc.  
 Project: HLANJPR: SA-5 Site 153, Langer

File ID: X110210W1.CSV Date Analyzed: 11/02/10 Methods: EPA 200.8  
 QC Limits: result < RL Run ID: MA25287 Units: ug/l

Metal	Time:		13:56		14:14		14:55		15:28		
	Sample ID:	RL	IDL	ICB1	final	CCB1	final	CCB2	final	CCB3	final
Aluminum	50	.69	anr								
Antimony	0.50	.07									
Arsenic	1.0	.09	anr								
Barium	1.0	.056									
Beryllium	0.50	.015									
Boron	5.0	.53									
Cadmium	0.50	.058									
Calcium	250	4.7	anr								
Chromium	4.0	.058	0.0	<4.0	0.0040	<4.0	0.042	<4.0	0.21	<4.0	
Cobalt	0.50	.002									
Copper	4.0	.11	anr								
Iron	50	.81									
Lead	0.50	.019	anr								
Magnesium	250	.4									
Manganese	0.50	.016									
Molybdenum	1.0	.19									
Nickel	4.0	.042	anr								
Potassium	250	2.9									
Selenium	1.0	.057									
Silver	2.0	.008									
Sodium	250	.96									
Strontium	1.0	.008									
Thallium	0.50	.015									
Tin	1.0	.069									
Titanium	1.0	.046									
Uranium	1.0										
Vanadium	4.0	.45									
Zinc	4.0	.71	anr								

(\* ) Outside of QC limits  
 (anr) Analyte not requested

4.1.2  
 4

BLANK RESULTS SUMMARY  
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: JA59191B  
 Account: HWINJM - Honeywell International Inc.  
 Project: HLANJPR: SA-5 Site 153, Langer

File ID: X110210W1.CSV Date Analyzed: 11/02/10 Methods: EPA 200.8  
 QC Limits: result < RL Run ID: MA25287 Units: ug/l

Metal	Time:		16:25		16:47		17:41	
	Sample ID:	RL	IDL	CCB4	final	CCB5	final	CCB6
Aluminum		50	.69	anr				
Antimony		0.50	.07					
Arsenic		1.0	.09	anr				
Barium		1.0	.056					
Beryllium		0.50	.015					
Boron		5.0	.53					
Cadmium		0.50	.058					
Calcium		250	4.7	anr				
Chromium		4.0	.058	0.55	<4.0	0.45	<4.0	0.28
Cobalt		0.50	.002					
Copper		4.0	.11	anr				
Iron		50	.81					
Lead		0.50	.019	anr				
Magnesium		250	.4					
Manganese		0.50	.016					
Molybdenum		1.0	.19					
Nickel		4.0	.042	anr				
Potassium		250	2.9					
Selenium		1.0	.057					
Silver		2.0	.008					
Sodium		250	.96					
Strontium		1.0	.008					
Thallium		0.50	.015					
Tin		1.0	.069					
Titanium		1.0	.046					
Uranium		1.0						
Vanadium		4.0	.45					
Zinc		4.0	.71	anr				

(\* ) Outside of QC limits  
 (anr) Analyte not requested

4.1.2  
 4

CALIBRATION CHECK STANDARDS SUMMARY  
Initial and Continuing Calibration Checks

Login Number: JA59191B  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 153, Langer

File ID: X110210W1.CSV      Date Analyzed: 11/02/10      Methods: EPA 200.8  
QC Limits: 90 to 110 % Recovery      Run ID: MA25287      Units: ug/l

Metal	Sample ID:	13:52			14:10			14:51		
		ICV	ICV1	CCV	CCV1	CCV	CCV2	Results	% Rec	
Aluminum	anr									
Antimony										
Arsenic	anr									
Barium										
Beryllium										
Boron										
Cadmium										
Calcium	anr									
Chromium	60	60.7	101.2	50	49.4	98.8	50	49.3	98.6	
Cobalt										
Copper	anr									
Iron										
Lead	anr									
Magnesium										
Manganese										
Molybdenum										
Nickel	anr									
Potassium										
Selenium										
Silver										
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Uranium										
Vanadium										
Zinc	anr									

(\*) Outside of QC limits  
(anr) Analyte not requested

4.1.3  
4

CALIBRATION CHECK STANDARDS SUMMARY  
Initial and Continuing Calibration Checks

Login Number: JA59191B  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 153, Langer

File ID: X110210W1.CSV      Date Analyzed: 11/02/10      Methods: EPA 200.8  
QC Limits: 90 to 110 % Recovery      Run ID: MA25287      Units: ug/l

Metal	Sample ID: CCV	15:24		CCV	16:21		CCV	16:43	
		CCV3	Results		CCV4	Results		CCV5	Results
	True		% Rec	True		% Rec	True		% Rec
Aluminum	anr								
Antimony									
Arsenic	anr								
Barium									
Beryllium									
Boron									
Cadmium									
Calcium	anr								
Chromium	50	49.6	99.2	50	50.3	100.6	50	50.0	100.0
Cobalt									
Copper	anr								
Iron									
Lead	anr								
Magnesium									
Manganese									
Molybdenum									
Nickel	anr								
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Uranium									
Vanadium									
Zinc	anr								

(\*) Outside of QC limits  
(anr) Analyte not requested

4.1.3  
4

CALIBRATION CHECK STANDARDS SUMMARY  
Initial and Continuing Calibration Checks

Login Number: JA59191B  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 153, Langer

File ID: X110210W1.CSV Date Analyzed: 11/02/10 Methods: EPA 200.8  
QC Limits: 90 to 110 % Recovery Run ID: MA25287 Units: ug/l

Time:	17:37		
Sample ID:	CCV		
Metal	True	Results	% Rec
Aluminum	anr		
Antimony			
Arsenic	anr		
Barium			
Beryllium			
Boron			
Cadmium			
Calcium	anr		
Chromium	50	50.7	101.4
Cobalt			
Copper	anr		
Iron			
Lead	anr		
Magnesium			
Manganese			
Molybdenum			
Nickel	anr		
Potassium			
Selenium			
Silver			
Sodium			
Strontium			
Thallium			
Tin			
Titanium			
Uranium			
Vanadium			
Zinc	anr		

(\*) Outside of QC limits  
(anr) Analyte not requested

4.1.3  
4

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JA59191B  
 Account: HWINJM - Honeywell International Inc.  
 Project: HLANJPR: SA-5 Site 153, Langer

File ID: X110210W1.CSV Date Analyzed: 11/02/10 Methods: EPA 200.8  
 QC Limits: 50 to 150 % Recovery Run ID: MA25287 Units: ug/l

Time:			14:03		14:07	
Sample ID:	CRI	CRIA	CRI1	% Rec	CRI1	% Rec
Metal	True	True	Results		Results	
Aluminum	50	25	anr			
Antimony	0.50	0.25				
Arsenic	1.0	0.50	anr			
Barium	1.0	0.50				
Beryllium	0.50	0.25				
Boron	5.0	2.5				
Cadmium	0.50	0.25				
Calcium	250	125	anr			
Chromium	4.0	2.0	3.9	97.5	1.9	95.0
Cobalt	0.50	0.25				
Copper	4.0	2.0	anr			
Iron	50	25				
Lead	0.50	0.25	anr			
Magnesium	250	125				
Manganese	0.50	0.25				
Molybdenum	1.0	0.50				
Nickel	4.0	2.0	anr			
Potassium	250	125				
Selenium	1.0	0.50				
Silver	2.0	1.0				
Sodium	250	125				
Strontium	1.0	0.50				
Thallium	0.50	0.25				
Tin	1.0	0.50				
Titanium	1.0	0.50				
Uranium	1.0	0.50				
Vanadium	4.0	2.0				
Zinc	4.0	2.0	anr			

(\* ) Outside of QC limits  
 (anr) Analyte not requested

4.1.4  
 4

BLANK RESULTS SUMMARY  
Part 2 - Method Blanks

Login Number: JA59191B  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 153, Langer

QC Batch ID: MP55425  
Matrix Type: AQUEOUS

Methods: EPA 200.8  
Units: ug/l

Prep Date: 11/01/10

Metal	RL	IDL	MDL	MB raw	final
Aluminum	50	.69	.7		
Antimony	0.50	.07	.062		
Arsenic	1.0	.09	.17		
Barium	1.0	.056	.05		
Beryllium	0.50	.015	.086		
Boron	5.0	.53	.62		
Cadmium	0.50	.058	.13		
Calcium	250	4.7	11		
Chromium	4.0	.058	.094	0.26	<4.0
Cobalt	0.50	.002	.089		
Copper	4.0	.11	.082		
Iron	50	.81	2		
Lead	0.50	.019	.032		
Magnesium	250	.4	1		
Manganese	0.50	.016	.023		
Molybdenum	1.0	.19	.042		
Nickel	4.0	.042	.034		
Potassium	250	2.9	3.7		
Selenium	1.0	.057	.079		
Silver	2.0	.008	.025		
Sodium	250	.96	1.9		
Strontium	1.0	.008	.017		
Thallium	0.50	.015	.058		
Tin	1.0	.069	.031		
Titanium	1.0	.046	.13		
Uranium	1.0				
Vanadium	4.0	.45	.38		
Zinc	4.0	.71	.22		

Associated samples MP55425: JA59191-6, JA59191-7, JA59191-6F

Results < IDL are shown as zero for calculation purposes  
(\* ) Outside of QC limits  
(anr) Analyte not requested



MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JA59191B  
 Account: HWINJM - Honeywell International Inc.  
 Project: HLANJPR: SA-5 Site 153, Langer

QC Batch ID: MP55425  
 Matrix Type: AQUEOUS

Methods: EPA 200.8  
 Units: ug/l

Prep Date: 11/01/10

Metal	JA59191-6F Original MS	SpikeLot MPXDWL	% Rec	QC Limits	
Aluminum	anr				
Antimony					
Arsenic					
Barium					
Beryllium					
Boron					
Cadmium					
Calcium					
Chromium	38.9	137	100	98.1	70-130
Cobalt					
Copper	anr				
Iron					
Lead	anr				
Magnesium					
Manganese					
Molybdenum					
Nickel	anr				
Potassium					
Selenium					
Silver					
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Uranium					
Vanadium					
Zinc	anr				

Associated samples MP55425: JA59191-6, JA59191-7, JA59191-6F

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (N) Matrix Spike Rec. outside of QC limits  
 (anr) Analyte not requested

4.2.2  
 4

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JA59191B  
 Account: HWINJM - Honeywell International Inc.  
 Project: HLANJPR: SA-5 Site 153, Langer

QC Batch ID: MP55425  
 Matrix Type: AQUEOUS

Methods: EPA 200.8  
 Units: ug/l

Prep Date: 11/01/10

Metal	JA59191-6F Original MSD	SpikeLot MPXDW1	% Rec	MSD RPD	QC Limit	
Aluminum	anr					
Antimony						
Arsenic						
Barium						
Beryllium						
Boron						
Cadmium						
Calcium						
Chromium	38.9	139	100	100.1	1.4	15
Cobalt						
Copper	anr					
Iron						
Lead	anr					
Magnesium						
Manganese						
Molybdenum						
Nickel	anr					
Potassium						
Selenium						
Silver						
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Uranium						
Vanadium						
Zinc	anr					

Associated samples MP55425: JA59191-6, JA59191-7, JA59191-6F

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (N) Matrix Spike Rec. outside of QC limits  
 (anr) Analyte not requested

4.2.2  
 4

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JA59191B  
 Account: HWINJM - Honeywell International Inc.  
 Project: HLANJPR: SA-5 Site 153, Langer

QC Batch ID: MP55425  
 Matrix Type: AQUEOUS

Methods: EPA 200.8  
 Units: ug/l

Prep Date: 11/01/10

Metal	LCS Result	Spikelot MPXDWL	% Rec	QC Limits
Aluminum	anr			
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium				
Chromium	100	100	100.0	85-115
Cobalt				
Copper	anr			
Iron				
Lead	anr			
Magnesium				
Manganese				
Molybdenum				
Nickel	anr			
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc	anr			

Associated samples MP55425: JA59191-6, JA59191-7, JA59191-6F

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (anr) Analyte not requested

# Instrument Detection Limits

**Job Number:** JA59191B  
**Account:** HWINJM Honeywell International Inc.  
**Project:** HLANJPR: SA-5 Site 153, Langer

<b>Instrument ID:</b> ICPMS1	<b>Effective Date:</b> 10/12/10
------------------------------	---------------------------------

Analyte	IDL ug/l
Aluminum	.691
Antimony	.07
Arsenic	.09
Barium	.056
Beryllium	.015
Boron	.526
Cadmium	.058
Calcium	4.715
Chromium	.058
Cobalt	.002
Copper	.107
Iron	.813
Lead	.019
Magnesium	.403
Manganese	.016
Molybdenum	.193
Nickel	.042
Potassium	2.934
Selenium	.057
Silver	.008
Sodium	.963
Strontium	.008
Thallium	.015
Tin	.069
Titanium	.046
Vanadium	.453
Zinc	.712

The above applies to the following instrument runs:  
MA25287

4.3  
4

# Instrument Linear Ranges

**Job Number:** JA59191B  
**Account:** HWINJM Honeywell International Inc.  
**Project:** HLANJPR: SA-5 Site 153, Langer

<b>Instrument ID:</b> ICPMS1	<b>Effective Date:</b> 01/04/10
------------------------------	---------------------------------

Analyte	Linear Range ug/l
Aluminum	100000
Antimony	500
Arsenic	500
Barium	500
Beryllium	500
Boron	250
Cadmium	500
Calcium	100000
Chromium	500
Cobalt	500
Copper	500
Iron	100000
Lead	500
Magnesium	100000
Manganese	500
Molybdenum	500
Nickel	500
Potassium	100000
Selenium	500
Silver	250
Sodium	100000
Strontium	500
Thallium	500
Tin	125
Titanium	500
Vanadium	250
Zinc	500

The above applies to the following instrument runs:  
MA25287

4.3  
4

Metals Analysis

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5

Raw Data

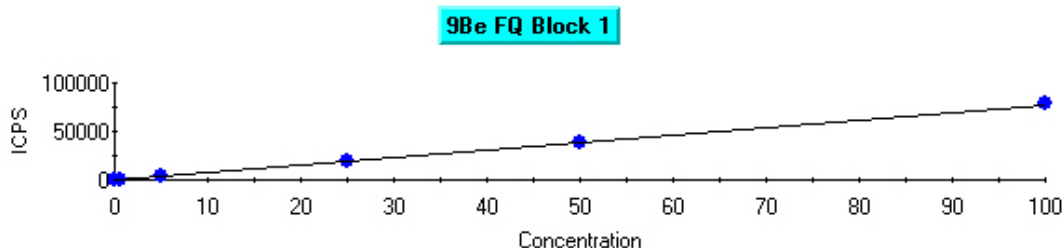
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## Sample List

No	Label	Type	Weight	Rack	Row	Col	Height
1	std1 1	Fully Quant Standard	1.000	3	1	1	144
2	std2	Fully Quant Standard	1.000	3	1	2	144
3	std3	Fully Quant Standard	1.000	3	1	3	144
4	std4	Fully Quant Standard	1.000	3	1	4	144
5	std5	Fully Quant Standard	1.000	3	1	5	144
6	std6	Fully Quant Standard	1.000	3	1	6	144
7	std7	Fully Quant Standard	1.000	3	1	7	144
8	icv	Unknown	1.000	3	1	8	144
9	icb	Unknown	1.000	0	1	2	144
10	sampleconf	Unknown	1.000	0	1	2	144
11	cri	Unknown	1.000	3	1	9	144
12	cria	Unknown	1.000	3	1	10	144
13	CCV	Unknown	1.000	0	1	1	144
14	CCB	Unknown	1.000	0	1	2	144
15	mp55424-mb1	Unknown	1.000	3	1	12	144
16	mp55424-1c1	Unknown	1.000	3	2	1	144
17	mp55424-s1	Unknown	1.000	3	2	2	144
18	mp55424-s2	Unknown	1.000	3	2	3	144
19	ja59191-1	Unknown	1.000	3	2	4	144
20	mp55424-s3	Unknown	1.000	3	2	5	144
21	mp55424-s4	Unknown	1.000	3	2	6	144
22	ja59191-1f	Unknown	1.000	3	2	7	144
23	ja59191-2	Unknown	1.000	3	2	8	144
24	ccv	Unknown	1.000	0	1	1	144
25	ccb	Unknown	1.000	0	1	2	144
26	ja59191-3	Unknown	1.000	3	2	9	144
27	ja59191-4	Unknown	1.000	3	2	10	144
28	ja59191-5	Unknown	1.000	3	2	11	144
29	ja59191-2f	Unknown	1.000	3	2	12	144
30	ja59191-3f	Unknown	1.000	3	3	1	144
31	ja59191-4f	Unknown	1.000	3	3	2	144
32	ja59191-5f	Unknown	1.000	3	3	3	144
33	ccv	Unknown	1.000	0	1	1	144
34	ccb	Unknown	1.000	0	1	2	144
35	MP55464-MB1	Unknown	1.000	3	3	4	144
36	MP55464-B1	Unknown	1.000	3	3	5	144
37	JA58929-1	Unknown	1.000	3	3	6	144
38	JA58597-1	Unknown	1.000	3	3	7	144
39	JA58597-2	Unknown	1.000	3	3	8	144
40	JA58597-3	Unknown	1.000	3	3	9	144
41	JA58929-2	Unknown	1.000	3	3	10	144
42	JA59395-1	Unknown	1.000	3	3	11	144
43	JA59395-2	Unknown	1.000	3	3	12	144
44	CCV	Unknown	1.000	0	1	1	144
45	CCB	Unknown	1.000	0	1	2	144
46	JA60015-1	Unknown	1.000	3	4	1	144
47	JA60283-1	Unknown	1.000	3	4	2	144
48	MP55464-S1	Unknown	1.000	3	4	3	144
49	MP55464-S2	Unknown	1.000	3	4	4	144
50	ccv	Unknown	1.000	0	1	1	144
51	ccb	Unknown	1.000	0	1	2	144
52	mp55425-mb1	Unknown	1.000	3	4	5	144
53	mp55425-1c1	Unknown	1.000	3	4	6	144
54	mp55425-s1	Unknown	1.000	3	4	7	144
55	mp55425-s2	Unknown	1.000	3	4	8	144
56	ja59191-6f	Unknown	1.000	3	4	9	144
57	ja59191-6	Unknown	1.000	3	4	10	144
58	ja59191-7	Unknown	1.000	3	4	11	144
59	SAMPLECONF	Unknown	1.000	0	1	2	144
60	ccv	Unknown	1.000	0	1	1	144
61	ccb	Unknown	1.000	0	1	2	144
62	MP55294-MB1CONF	Unknown	1.000	3	4	12	144
63	MP55294-S1 DF50	Unknown	50.000	3	5	1	144
64	MP55294-S2 DF50	Unknown	50.000	3	5	2	144
65	T62089-1 DF50	Unknown	50.000	3	5	3	144
66	MP55294-S1 DF25	Unknown	25.000	3	5	4	144
67	MP55294-S2 DF25	Unknown	25.000	3	5	5	144

68	T62089-1 DF25	Unknown	25.000	3	5	6	144
69	SAMPLECONF	Unknown	1.000	0	1	3	144
70	SAMPLECONF	Unknown	1.000	0	1	3	144
71	SAMPLECONF	Unknown	1.000	0	1	3	144
72	CCV	Unknown	1.000	0	1	1	144
73	CCB	Unknown	1.000	0	1	2	144
74	T62490-2 DF50	Unknown	50.000	1	1	1	144
75	T62494-1 DF50	Unknown	50.000	1	1	2	144
76	T62494-2 DF50	Unknown	50.000	1	1	3	144
77	T62494-3 DF50	Unknown	50.000	1	1	4	144
78	T62494-4 DF50	Unknown	50.000	1	1	5	144
79	sampleconf	Unknown	1.000	0	1	3	144
80	sampleconf	Unknown	1.000	0	1	3	144
81	SAMPLECONF	Unknown	1.000	0	1	4	144
82	CCV	Unknown	1.000	0	1	1	144
83	CCB	Unknown	1.000	0	1	2	144
84	T62490-2 DF25	Unknown	25.000	1	1	6	144
85	T62494-1 DF25	Unknown	25.000	1	1	7	144
86	T62494-2 DF25	Unknown	25.000	1	1	8	144
87	T62494-3 DF25	Unknown	25.000	1	1	9	144
88	T62494-4 DF25	Unknown	25.000	1	1	10	144
89	sampleconf	Unknown	1.000	0	1	4	144
90	sampleconf	Unknown	1.000	0	1	4	144
91	sampleconf	Unknown	1.000	0	1	4	144
92	CCV	Unknown	1.000	0	1	1	144
93	CCB	Unknown	1.000	0	1	2	144
94	T62490-2 DF50	Unknown	50.000	1	1	1	144
95	T62494-1 DF50	Unknown	50.000	1	1	2	144
96	T62494-2 DF50	Unknown	50.000	1	1	3	144
97	T62494-3 DF50	Unknown	50.000	1	1	4	144
98	T62494-4 DF50	Unknown	50.000	1	1	5	144
99	mp55294-s1conf df50	Unknown	50.000	3	5	1	144
100	mp55294-s2conf df50	Unknown	50.000	3	5	2	144
101	T62089-1conf DF50	Unknown	50.000	3	5	3	144
102	sampleconf	Unknown	1.000	0	1	4	144
103	sampleconf	Unknown	1.000	0	1	4	144
104	CCV	Unknown	1.000	0	1	1	144
105	CCB	Unknown	1.000	0	1	2	144
106	T62490-2 DF10	Unknown	10.000	1	1	11	144
107	T62494-1 DF10	Unknown	10.000	1	1	12	144
108	T62494-2 DF10	Unknown	10.000	1	2	1	144
109	T62494-3 DF10	Unknown	10.000	1	2	2	144
110	T62494-4 DF10	Unknown	10.000	1	2	3	144
111	MP55294-S1 DF10	Unknown	10.000	3	5	7	144
112	MP55294-S2 DF10	Unknown	10.000	3	5	8	144
113	T62089-1 DF10	Unknown	10.000	3	5	9	144
114	RINSECONF	Unknown	1.000	0	1	3	144
115	SAMPLECONF	Unknown	1.000	0	1	3	144
116	CCVA	Unknown	1.000	0	1	1	144
117	CCB	Unknown	1.000	0	1	2	144

Fully Quant Calibration



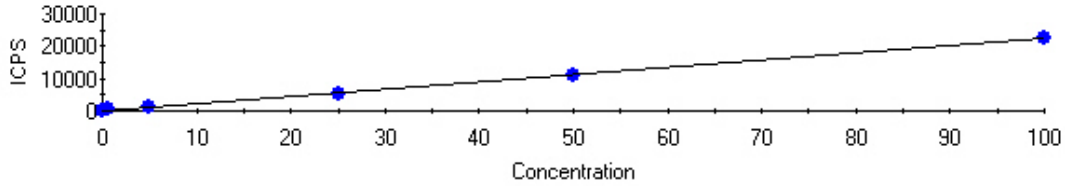
Intercept CPS=12.410253 Intercept Conc=0.016139  
Sensitivity=768.962688 Correlation Coeff=0.999874

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	0.001	0.001	13.55	0.00



std2	0.500	0.488	0.012	387.78	2.37
std3	5.000	5.061	0.061	3904.28	1.22
std4	25.000	24.716	0.284	19017.73	1.14
std5	50.000	49.960	0.040	38429.68	0.08
std6	100.000	102.897	2.897	79136.43	2.90

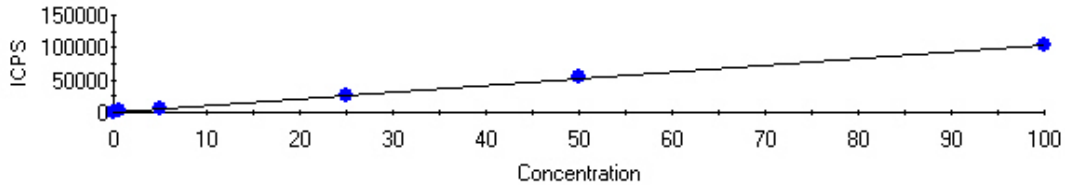
**10B FQ Block 1**



Intercept CPS=152.144474 Intercept Conc=0.678168  
Sensitivity=224.346402 Correlation Coeff=0.999769

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	-0.228	0.228	101.05	0.00
std2	0.500	1.335	0.835	451.73	167.07
std3	5.000	5.691	0.691	1428.85	13.82
std4	25.000	23.710	1.290	5471.40	5.16
std5	50.000	49.416	0.584	11238.37	1.17
std6	100.000	100.576	0.576	22716.00	0.58

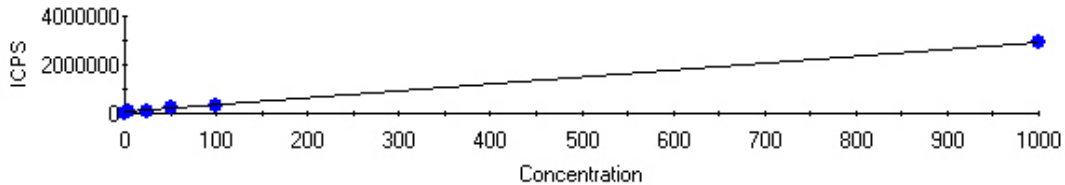
**11B FQ Block 1**



Intercept CPS=1098.427693 Intercept Conc=1.076730  
Sensitivity=1020.151848 Correlation Coeff=0.999755

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	-0.662	0.662	423.14	0.00
std2	0.500	0.834	0.334	1948.97	66.75
std3	5.000	5.019	0.019	6218.82	0.38
std4	25.000	24.373	0.627	25962.12	2.51
std5	50.000	51.564	1.564	53701.92	3.13
std6	100.000	99.372	0.628	102473.00	0.63

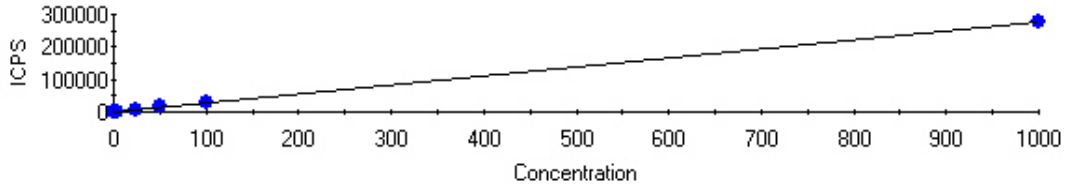
**23Na FQ Block 1**



Intercept CPS=42302.705762 Intercept Conc=14.509388  
Sensitivity=2915.540315 Correlation Coeff=0.999759

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	-2.257	2.257	35722.45	0.00
std2	0.500	-2.913	3.413	33810.98	682.51
std3	5.000	-0.046	5.046	42167.61	100.93
std4	25.000	21.864	3.136	106048.52	12.54
std5	50.000	68.062	18.062	240740.75	36.12
std6	100.000	96.208	3.792	322801.36	3.79
std7	1000.000	999.581	0.419	2956622.61	0.04

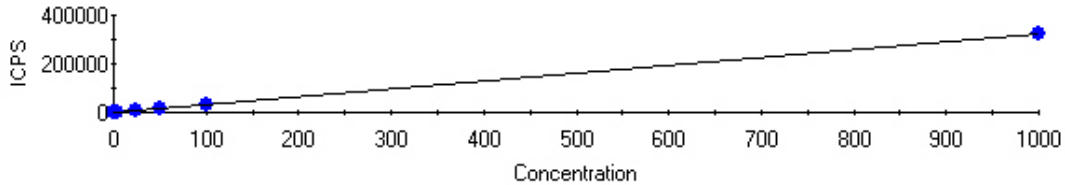
**25Mg FQ Block 1**



Intercept CPS=403.294768 Intercept Conc=1.456278  
Sensitivity=276.935352 Correlation Coeff=0.999993

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	-0.256	0.256	332.52	0.00
std2	0.500	-0.370	0.870	300.70	174.09
std3	5.000	4.769	0.231	1724.11	4.61
std4	25.000	24.354	0.646	7147.79	2.58
std5	50.000	53.088	3.088	15105.14	6.18
std6	100.000	98.946	1.054	27805.00	1.05
std7	1000.000	999.969	0.031	277329.99	0.00

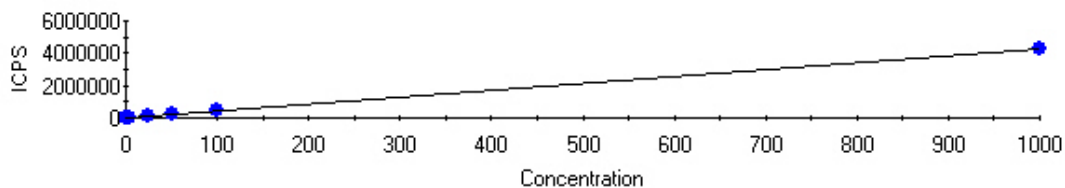
**26Mg FQ Block 1**



Intercept CPS=323.545619 Intercept Conc=0.995836  
Sensitivity=324.898431 Correlation Coeff=0.999988

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	0.206	0.206	390.36	0.00
std2	0.500	0.301	0.199	421.21	39.88
std3	5.000	4.883	0.117	1910.03	2.34
std4	25.000	24.750	0.250	8364.66	1.00
std5	50.000	53.193	3.193	17606.02	6.39
std6	100.000	97.023	2.977	31846.05	2.98
std7	1000.000	1000.145	0.145	325269.09	0.01

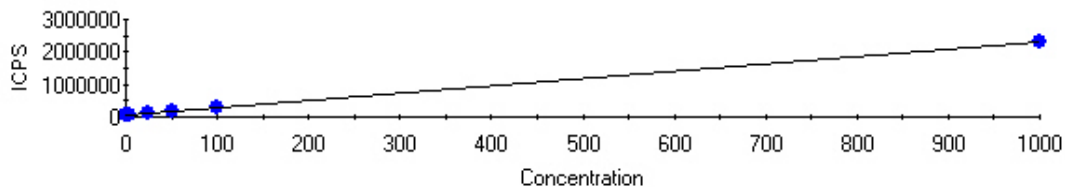
**27Al FQ Block 1**



Intercept CPS=6364.452195 Intercept Conc=1.476353  
Sensitivity=4310.927120 Correlation Coef=0.999992

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	0.061	0.061	6628.07	0.00
std2	0.500	0.348	0.152	7864.51	30.41
std3	5.000	5.094	0.094	28323.19	1.87
std4	25.000	23.754	1.246	108767.27	4.98
std5	50.000	52.965	2.965	234692.95	5.93
std6	100.000	98.217	1.783	429771.00	1.78
std7	1000.000	1000.061	0.061	4317553.65	0.01

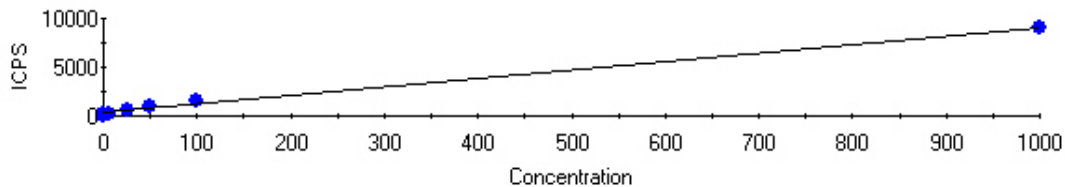
**39K FQ Block 1**



Intercept CPS=68750.681459 Intercept Conc=31.006046  
Sensitivity=2217.331494 Correlation Coef=0.999964

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	1.921	1.921	73010.39	0.00
std2	0.500	0.917	0.417	70784.87	83.48
std3	5.000	6.091	1.091	82256.05	21.82
std4	25.000	27.633	2.633	130021.66	10.53
std5	50.000	50.182	0.182	180020.95	0.36
std6	100.000	93.152	6.848	275298.68	6.85
std7	1000.000	1000.604	0.604	2287422.01	0.06

**43Ca FQ Block 1**

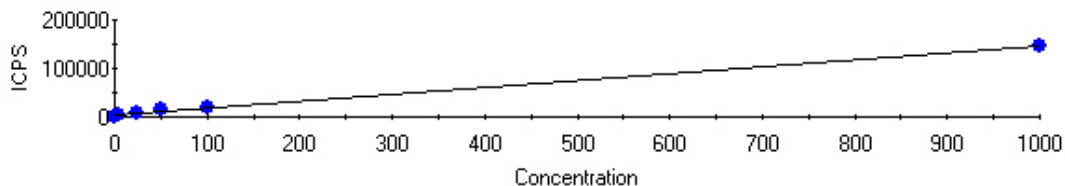


Intercept CPS=302.788008 Intercept Conc=34.811969  
Sensitivity=8.697813 Correlation Coef=0.997347

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	-22.895	22.895	103.66	0.00
std2	0.500	-25.873	26.373	77.75	5274.65
std3	5.000	-19.101	24.101	136.65	482.02

std4	25.000	37.891	12.891	632.36	51.56
std5	50.000	74.182	24.182	948.01	48.36
std6	100.000	141.881	41.881	1536.84	41.88
std7	1000.000	994.414	5.586	8952.02	0.56

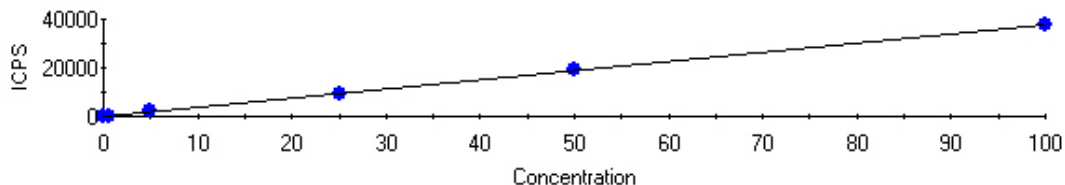
**44Ca FQ Block 1**



Intercept CPS=3771.492482 Intercept Conc=26.271943  
Sensitivity=143.555902 Correlation Coeff=0.999084

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	-13.208	13.208	1875.34	0.00
std2	0.500	-16.321	16.821	1428.59	3364.10
std3	5.000	-10.457	15.457	2270.26	309.15
std4	25.000	38.596	13.596	9312.24	54.39
std5	50.000	67.676	17.676	13486.82	35.35
std6	100.000	117.057	17.057	20575.78	17.06
std7	1000.000	997.156	2.844	146919.15	0.28

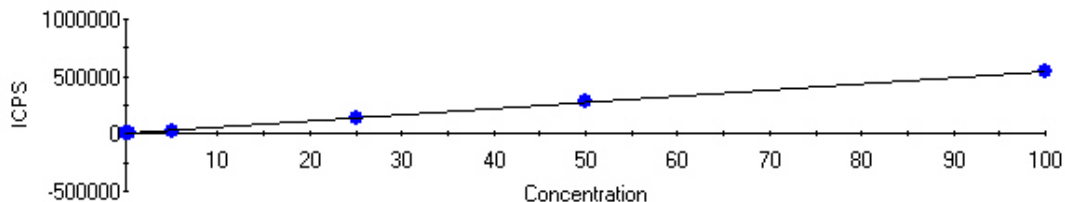
**47Ti FQ Block 1**



Intercept CPS=94.611757 Intercept Conc=0.251106  
Sensitivity=376.779926 Correlation Coeff=0.999899

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	-0.181	0.181	26.52	0.00
std2	0.500	0.351	0.149	226.87	29.80
std3	5.000	4.910	0.090	1944.74	1.79
std4	25.000	24.818	0.182	9445.47	0.73
std5	50.000	51.102	1.102	19348.64	2.20
std6	100.000	99.500	0.500	37584.22	0.50

**51V FQ Block 1**

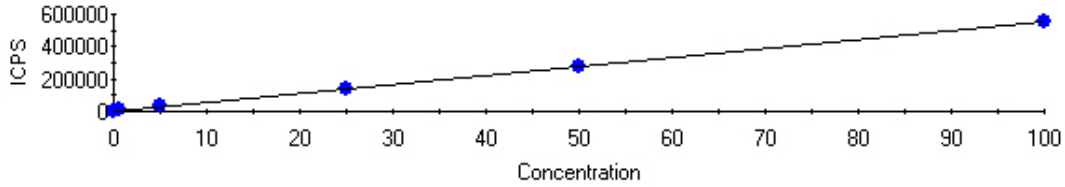


Intercept CPS=-878.131253 Intercept Conc=-0.160335  
Sensitivity=5476.858318 Correlation Coeff=0.999988

5.1  
5

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	-0.013	0.013	-948.56	0.00
std2	0.500	0.438	0.062	1521.57	12.37
std3	5.000	5.146	0.146	27305.46	2.92
std4	25.000	24.732	0.268	134574.75	1.07
std5	50.000	50.274	0.274	274463.90	0.55
std6	100.000	99.923	0.077	546387.02	0.08

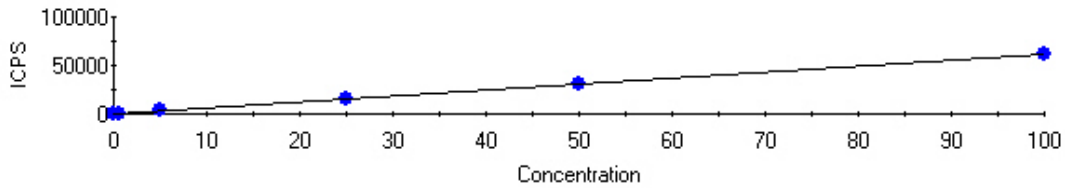
**52Cr FQ Block 1**



Intercept CPS=3620.789388 Intercept Conc=0.660960  
Sensitivity=5478.072845 Correlation Coeff=0.999988

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	0.018	0.018	3721.81	0.00
std2	0.500	0.503	0.003	6377.53	0.65
std3	5.000	5.151	0.151	31840.95	3.03
std4	25.000	24.651	0.349	138659.08	1.40
std5	50.000	50.193	0.193	278580.83	0.39
std6	100.000	99.983	0.017	551336.68	0.02

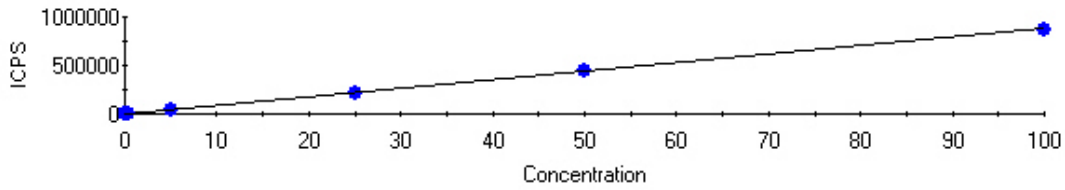
**53Cr FQ Block 1**



Intercept CPS=378.908535 Intercept Conc=0.612853  
Sensitivity=618.269825 Correlation Coeff=0.999989

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	-0.078	0.078	330.76	0.00
std2	0.500	0.364	0.136	603.69	27.29
std3	5.000	5.182	0.182	3583.01	3.65
std4	25.000	25.222	0.222	15973.01	0.89
std5	50.000	49.748	0.252	31136.29	0.50
std6	100.000	100.062	0.062	62244.39	0.06

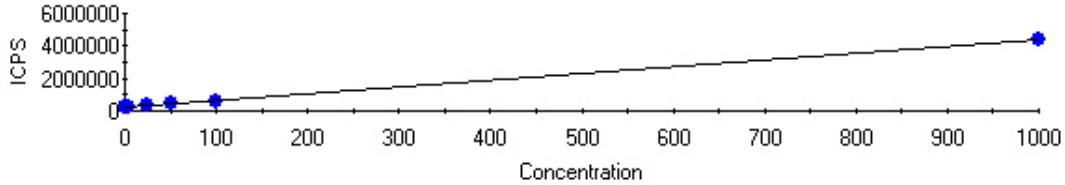
**55Mn FQ Block 1**



Intercept CPS=193.376551 Intercept Conc=0.022005  
Sensitivity=8787.682998 Correlation Coeff=0.999952

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	0.016	0.016	335.02	0.00
std2	0.500	0.492	0.008	4518.24	1.57
std3	5.000	5.125	0.125	45234.19	2.51
std4	25.000	24.269	0.731	213464.10	2.92
std5	50.000	50.363	0.363	442765.56	0.73
std6	100.000	99.530	0.470	874833.95	0.47

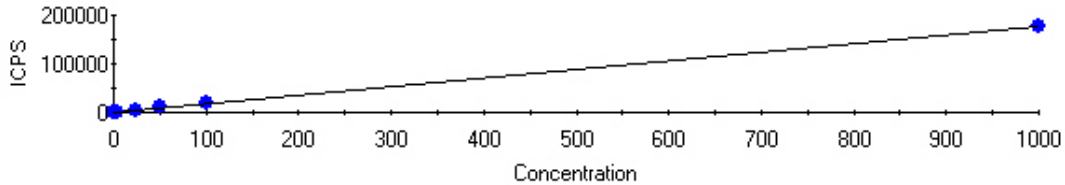
**56Fe FQ Block 1**



Intercept CPS=195291.742357 Intercept Conc=46.578631  
Sensitivity=4192.732558 Correlation Coeff=0.999920

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	-0.267	0.267	194173.36	0.00
std2	0.500	-1.975	2.475	187009.39	495.08
std3	5.000	3.244	1.756	208893.26	35.12
std4	25.000	24.230	0.770	296881.36	3.08
std5	50.000	59.926	9.926	446545.96	19.85
std6	100.000	95.343	4.657	595041.13	4.66
std7	1000.000	999.999	0.001	4388018.53	0.00

**57Fe FQ Block 1**

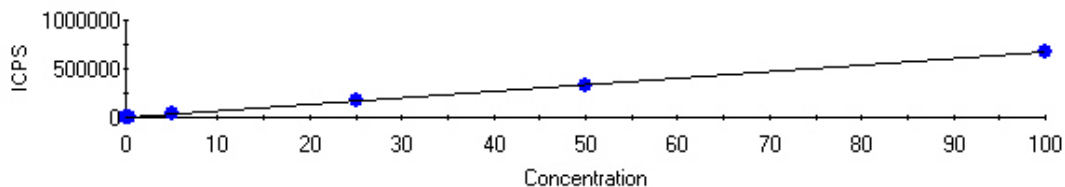


Intercept CPS=1477.839607 Intercept Conc=8.474654  
Sensitivity=174.383473 Correlation Coeff=0.999901

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	-2.267	2.267	1082.46	0.00
std2	0.500	-2.267	2.767	1082.49	553.43
std3	5.000	2.221	2.779	1865.17	55.58
std4	25.000	23.361	1.639	5551.53	6.56

std5	50.000	61.610	11.610	12221.65	23.22
std6	100.000	98.185	1.815	18599.73	1.81
std7	1000.000	999.657	0.343	175801.54	0.03

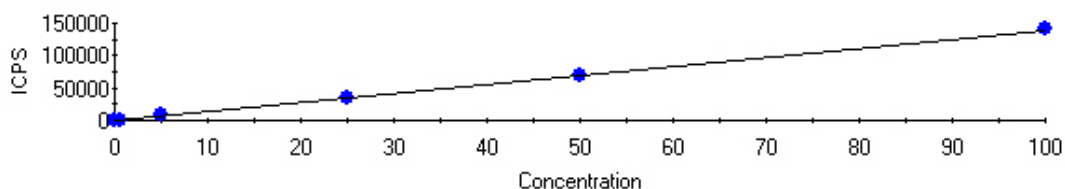
**59Co FQ Block 1**



Intercept CPS=168.852557 Intercept Conc=0.025055  
Sensitivity=6739.389569 Correlation Coef=0.999988

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	0.005	0.005	203.52	0.00
std2	0.500	0.485	0.015	3434.17	3.10
std3	5.000	5.174	0.174	35039.85	3.48
std4	25.000	25.343	0.343	170967.59	1.37
std5	50.000	49.816	0.184	335895.99	0.37
std6	100.000	99.386	0.614	669970.25	0.61

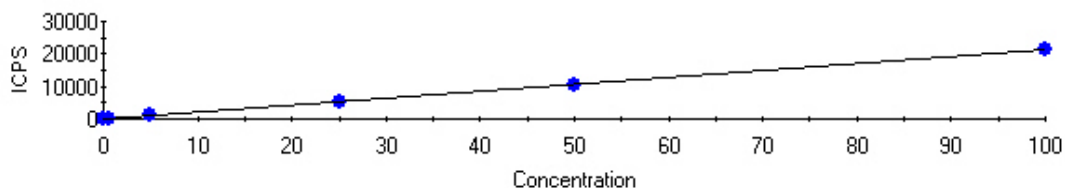
**60Ni FQ Block 1**



Intercept CPS=246.098588 Intercept Conc=0.176711  
Sensitivity=1392.662284 Correlation Coef=0.999988

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	0.165	0.165	476.11	0.00
std2	0.500	0.471	0.029	902.62	5.72
std3	5.000	5.238	0.238	7541.15	4.76
std4	25.000	24.907	0.093	34933.24	0.37
std5	50.000	49.918	0.082	69764.65	0.16
std6	100.000	100.457	0.457	140148.56	0.46

**62Ni FQ Block 1**



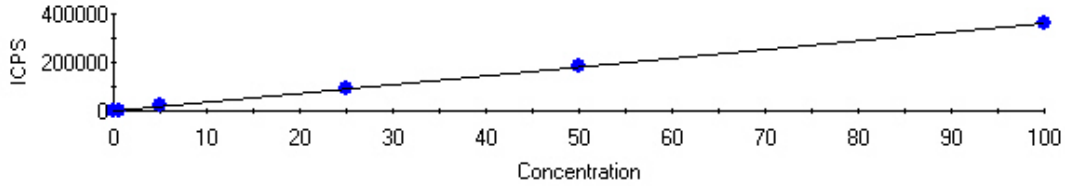
Intercept CPS=23.631991 Intercept Conc=0.110793  
Sensitivity=213.298140 Correlation Coef=0.999962

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	0.229	0.229	72.40	0.00

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std2	0.500	0.567	0.067	144.67	13.49
std3	5.000	5.268	0.268	1147.32	5.36
std4	25.000	24.398	0.602	5227.78	2.41
std5	50.000	49.801	0.199	10646.17	0.40
std6	100.000	100.236	0.236	21403.77	0.24

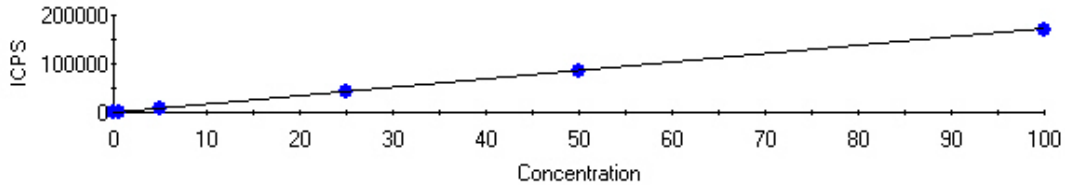
**63Cu FQ Block 1**



Intercept CPS=1622.314631 Intercept Conc=0.452603  
Sensitivity=3584.410504 Correlation Coeff=0.999968

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	-0.221	0.221	828.60	0.00
std2	0.500	0.308	0.192	2726.78	38.37
std3	5.000	5.036	0.036	19674.03	0.72
std4	25.000	25.147	0.147	91757.83	0.59
std5	50.000	50.536	0.536	182764.63	1.07
std6	100.000	99.694	0.306	358968.11	0.31

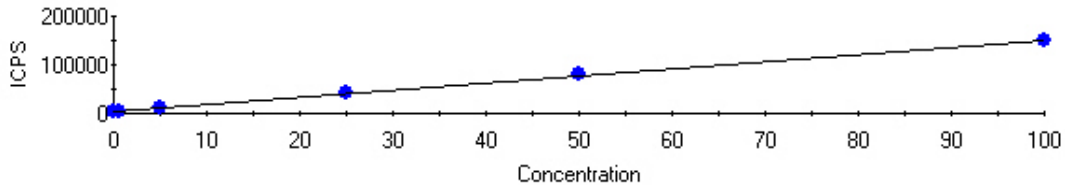
**65Cu FQ Block 1**



Intercept CPS=426.216489 Intercept Conc=0.246144  
Sensitivity=1731.576679 Correlation Coeff=0.999965

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	-0.003	0.003	421.22	0.00
std2	0.500	0.497	0.003	1287.40	0.53
std3	5.000	5.270	0.270	9551.97	5.40
std4	25.000	25.231	0.231	44116.19	0.93
std5	50.000	49.479	0.521	86102.34	1.04
std6	100.000	97.910	2.090	169965.49	2.09

**66Zn FQ Block 1**

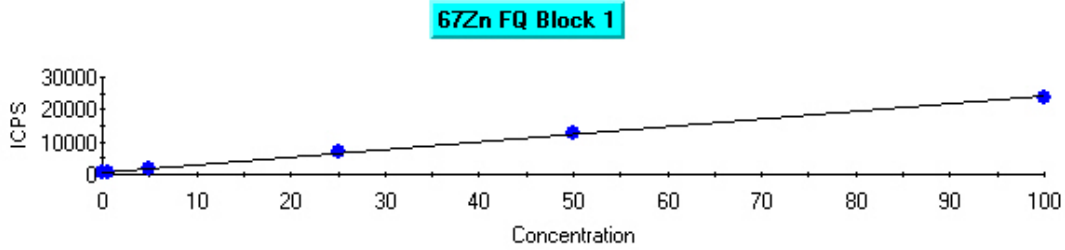


Intercept CPS=3403.160851 Intercept Conc=2.294931  
Sensitivity=1482.903210 Correlation Coeff=0.999788

5.1  
5

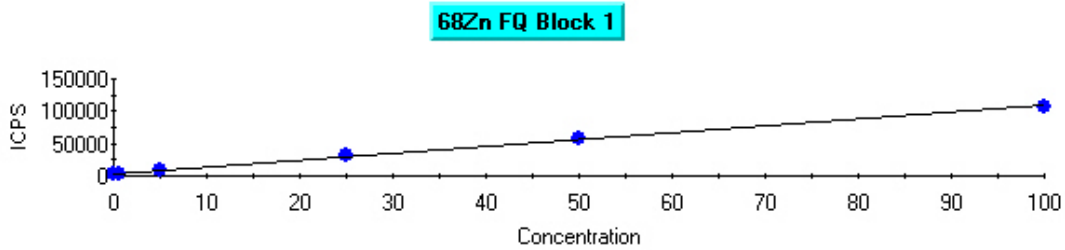


Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	0.499	0.499	4143.63	0.00
std2	0.500	0.532	0.032	4192.67	6.48
std3	5.000	4.608	0.392	10236.95	7.83
std4	25.000	26.484	1.484	42676.08	5.94
std5	50.000	50.983	0.983	79005.49	1.97
std6	100.000	99.288	0.712	150636.97	0.71



Intercept CPS=661.733873 Intercept Conc=2.836832  
 Sensitivity=233.265113 Correlation Coeff=0.999743

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	-0.188	0.188	617.82	0.00
std2	0.500	-0.013	0.513	658.67	102.63
std3	5.000	4.231	0.769	1648.75	15.37
std4	25.000	26.279	1.279	6791.71	5.12
std5	50.000	50.940	0.940	12544.18	1.88
std6	100.000	99.251	0.749	23813.63	0.75

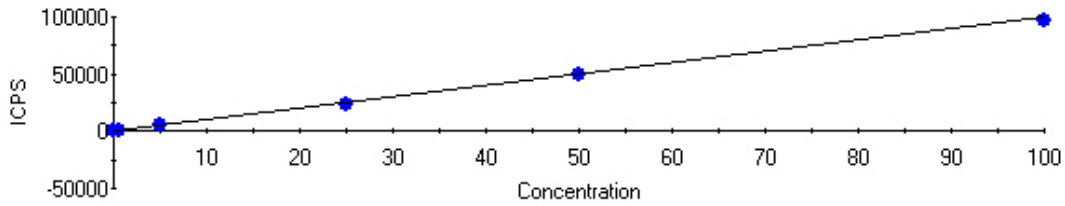


Intercept CPS=3213.056401 Intercept Conc=3.046379  
 Sensitivity=1054.713429 Correlation Coeff=0.999570

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	-0.184	0.184	3019.21	0.00
std2	0.500	-0.283	0.783	2914.31	156.65
std3	5.000	4.061	0.939	7496.19	18.78
std4	25.000	26.966	1.966	31654.76	7.87
std5	50.000	50.761	0.761	56751.37	1.52
std6	100.000	99.179	0.821	107818.27	0.82

5.1  
5

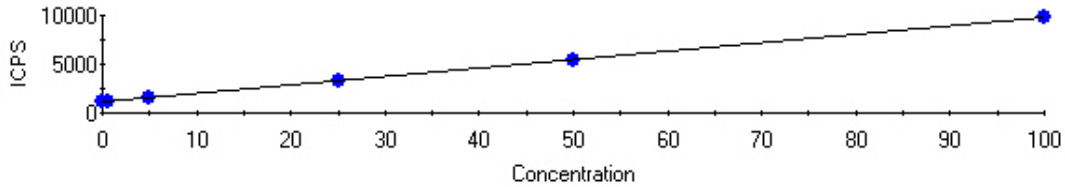
**75As FQ Block 1**



Intercept CPS=6.186865 Intercept Conc=0.006237  
Sensitivity=991.997271 Correlation Coeff=0.999965

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	-0.040	0.040	-33.80	0.00
std2	0.500	0.464	0.036	466.09	7.28
std3	5.000	5.105	0.105	5070.61	2.11
std4	25.000	24.317	0.683	24128.22	2.73
std5	50.000	49.503	0.497	49113.12	0.99
std6	100.000	97.436	2.564	96662.08	2.56

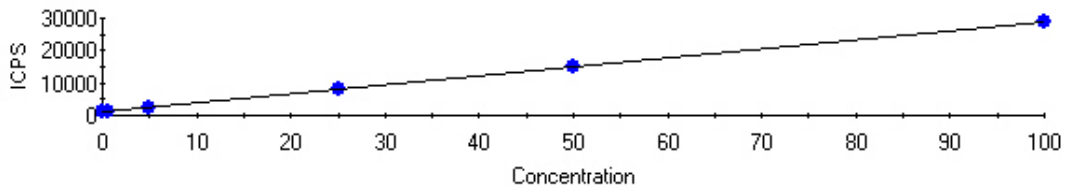
**77Se FQ Block 1**



Intercept CPS=1133.982805 Intercept Conc=13.116795  
Sensitivity=86.452733 Correlation Coeff=0.999983

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	0.336	0.336	1163.06	0.00
std2	0.500	0.156	0.344	1147.44	68.87
std3	5.000	5.106	0.106	1575.41	2.12
std4	25.000	24.956	0.044	3291.47	0.18
std5	50.000	49.878	0.122	5446.05	0.24
std6	100.000	100.069	0.069	9785.19	0.07

**78Se FQ Block 1**

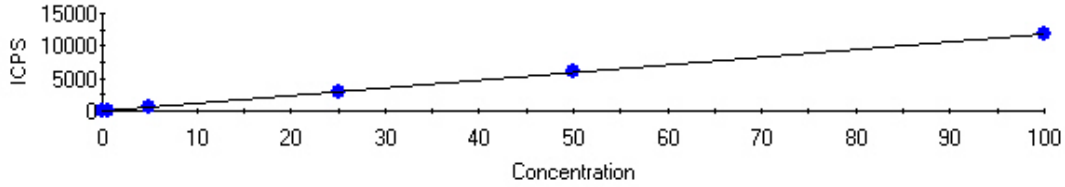


Intercept CPS=889.722328 Intercept Conc=3.155901  
Sensitivity=281.923439 Correlation Coeff=0.999988

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	-0.076	0.076	868.22	0.00
std2	0.500	0.327	0.173	982.05	34.50
std3	5.000	5.193	0.193	2353.87	3.87
std4	25.000	24.893	0.107	7907.68	0.43
std5	50.000	50.289	0.289	15067.27	0.58

std6 100.000 99.874 0.126 29046.43 0.13

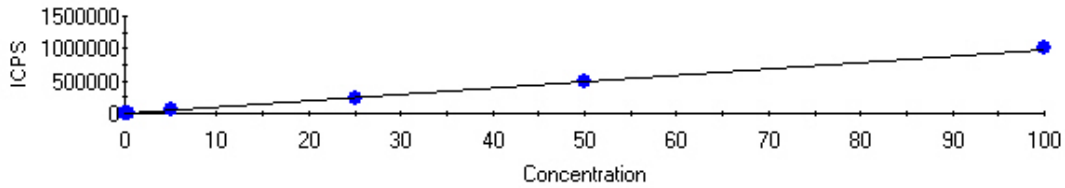
**82Se FQ Block 1**



Intercept CPS=8.430220 Intercept Conc=0.070832  
Sensitivity=119.017461 Correlation Coeff=0.999981

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	-0.011	0.011	7.10	0.00
std2	0.500	0.514	0.014	69.66	2.89
std3	5.000	5.159	0.159	622.47	3.19
std4	25.000	24.850	0.150	2965.96	0.60
std5	50.000	50.501	0.501	6018.99	1.00
std6	100.000	99.873	0.127	11895.06	0.13

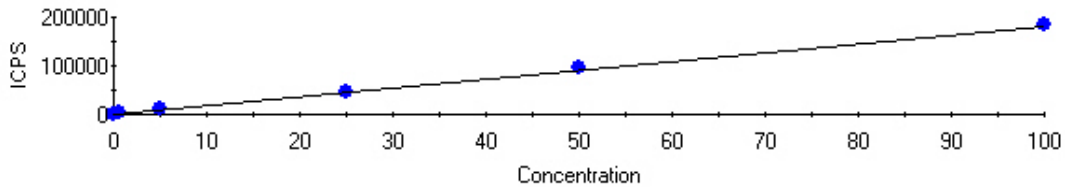
**88Sr FQ Block 1**



Intercept CPS=236.079720 Intercept Conc=0.023751  
Sensitivity=9939.831239 Correlation Coeff=0.999964

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	-0.000	0.000	232.62	0.00
std2	0.500	0.499	0.001	5194.41	0.23
std3	5.000	5.034	0.034	50271.48	0.68
std4	25.000	24.432	0.568	243083.52	2.27
std5	50.000	50.590	0.590	503092.63	1.18
std6	100.000	100.896	0.896	1003129.07	0.90

**95Mo FQ Block 1**

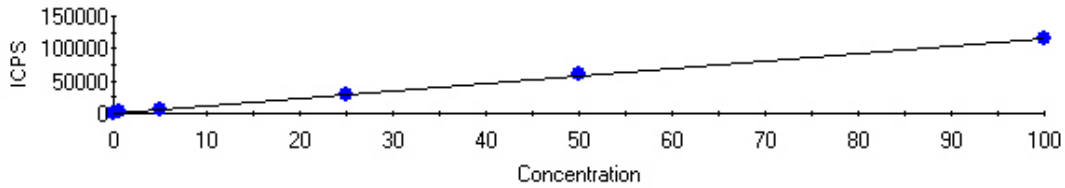


Intercept CPS=1481.452733 Intercept Conc=0.818877  
Sensitivity=1809.127548 Correlation Coeff=0.999924

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	0.218	0.218	1875.19	0.00
std2	0.500	0.458	0.042	2309.95	8.41
std3	5.000	4.716	0.284	10013.88	5.67

std4	25.000	24.670	0.330	46112.85	1.32
std5	50.000	51.576	1.576	94789.07	3.15
std6	100.000	101.679	1.679	185432.58	1.68

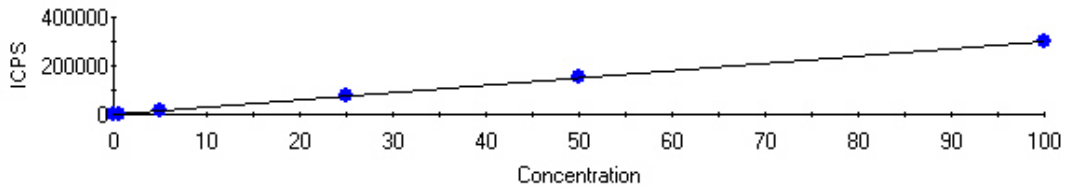
**97Mo FQ Block 1**



Intercept CPS=885.226998 Intercept Conc=0.768011  
Sensitivity=1152.623308 Correlation Coeff=0.999910

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	0.217	0.217	1134.89	0.00
std2	0.500	0.509	0.009	1471.82	1.78
std3	5.000	4.861	0.139	6488.37	2.78
std4	25.000	24.294	0.706	28887.53	2.82
std5	50.000	50.871	0.871	59520.47	1.74
std6	100.000	99.748	0.252	115856.79	0.25

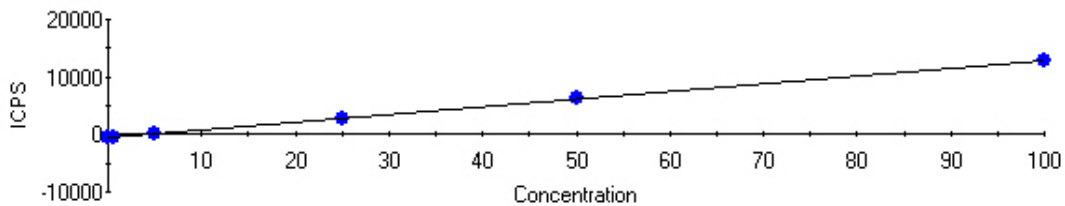
**98Mo FQ Block 1**



Intercept CPS=2434.369080 Intercept Conc=0.815064  
Sensitivity=2986.722103 Correlation Coeff=0.999906

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	0.181	0.181	2975.99	0.00
std2	0.500	0.423	0.077	3696.68	15.47
std3	5.000	4.791	0.209	16745.15	4.17
std4	25.000	24.470	0.530	75520.29	2.12
std5	50.000	50.982	0.982	154703.59	1.96
std6	100.000	99.652	0.348	300067.85	0.35

**106Cd FQ Block 1**

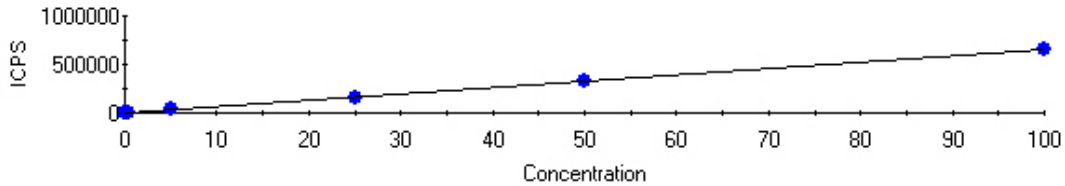


Intercept CPS=-477.425600 Intercept Conc=-3.625623  
Sensitivity=131.680974 Correlation Coeff=0.999981

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	-0.188	0.188	-502.18	0.00

std2	0.500	0.603	0.103	-398.06	20.54
std3	5.000	4.772	0.228	150.93	4.56
std4	25.000	25.170	0.170	2836.98	0.68
std5	50.000	50.350	0.350	6152.75	0.70
std6	100.000	99.793	0.207	12663.45	0.21

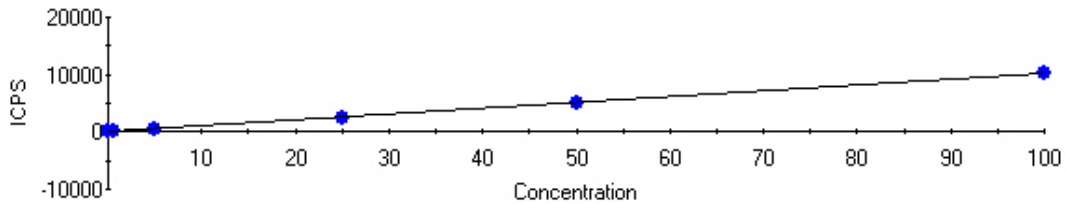
**107Ag FQ Block 1**



Intercept CPS=57.251978 Intercept Conc=0.008736  
Sensitivity=6553.287250 Correlation Coeff=0.999993

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	0.000	0.000	57.95	0.00
std2	0.500	0.468	0.032	3127.19	6.31
std3	5.000	4.993	0.007	32776.54	0.14
std4	25.000	24.892	0.108	163180.81	0.43
std5	50.000	50.133	0.133	328591.99	0.27
std6	100.000	100.833	0.833	660847.77	0.83

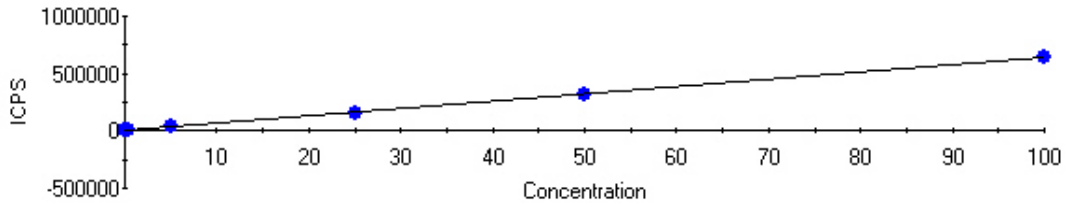
**108Cd FQ Block 1**



Intercept CPS=-3.654913 Intercept Conc=-0.036336  
Sensitivity=100.587885 Correlation Coeff=0.999972

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	0.065	0.065	2.91	0.00
std2	0.500	0.742	0.242	70.99	48.42
std3	5.000	5.045	0.045	503.84	0.91
std4	25.000	24.879	0.121	2498.88	0.48
std5	50.000	49.483	0.517	4973.74	1.03
std6	100.000	100.285	0.285	10083.82	0.29

**109Ag FQ Block 1**

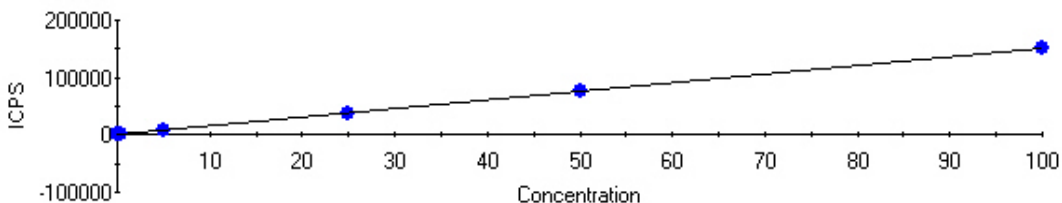


Intercept CPS=-629.236014 Intercept Conc=-0.098138  
Sensitivity=6411.733371 Correlation Coeff=0.999986

5.1  
5

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	0.110	0.110	75.90	0.00
std2	0.500	0.593	0.093	3171.09	18.54
std3	5.000	5.111	0.111	32142.59	2.22
std4	25.000	24.803	0.197	158403.23	0.79
std5	50.000	49.679	0.321	317900.48	0.64
std6	100.000	100.204	0.204	641849.16	0.20

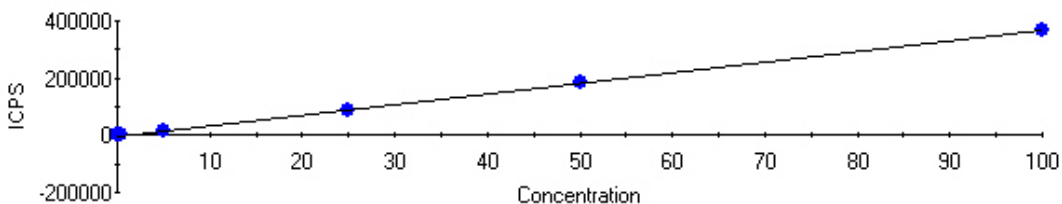
**111Cd FQ Block 1**



Intercept CPS=-323.473181 Intercept Conc=-0.213141  
Sensitivity=1517.651174 Correlation Coeff=0.999968

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	-0.013	0.013	-343.60	0.00
std2	0.500	0.502	0.002	438.45	0.41
std3	5.000	5.171	0.171	7525.00	3.43
std4	25.000	24.484	0.516	36834.25	2.07
std5	50.000	50.292	0.292	76002.87	0.58
std6	100.000	99.404	0.596	150536.77	0.60

**114Cd FQ Block 1**

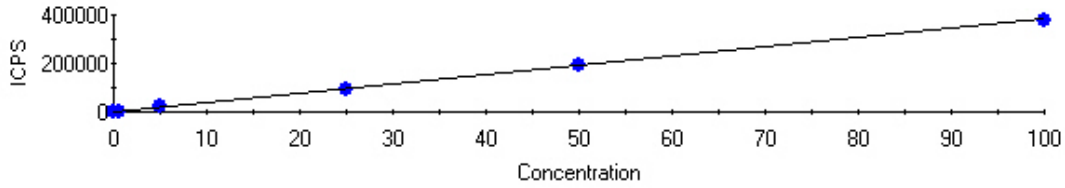


Intercept CPS=-1343.837224 Intercept Conc=-0.364325  
Sensitivity=3688.570756 Correlation Coeff=0.999949

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	0.217	0.217	-543.03	0.00
std2	0.500	0.704	0.204	1252.12	40.76
std3	5.000	5.246	0.246	18006.35	4.92
std4	25.000	24.397	0.603	88646.88	2.41
std5	50.000	49.597	0.403	181598.65	0.81
std6	100.000	100.339	0.339	368763.02	0.34

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5

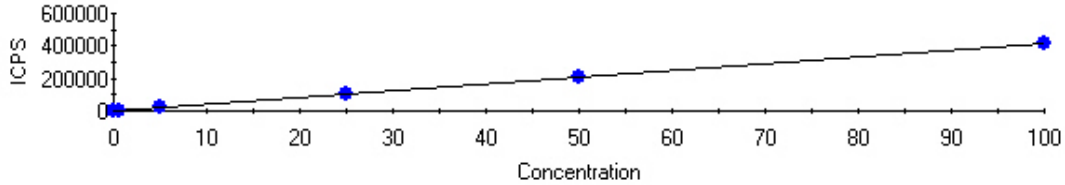
**118Sn FQ Block 1**



Intercept CPS=286.914437 Intercept Conc=0.075172  
Sensitivity=3816.785663 Correlation Coeff=0.999960

Label	Defined	Measured	Error	Mean CPS	% Error
std1	0.000	-0.012	0.012	239.48	0.00
std2	0.500	0.508	0.008	2225.68	1.59
std3	5.000	4.997	0.003	19359.61	0.06
std4	25.000	24.227	0.773	92756.80	3.09
std5	50.000	50.229	0.229	192001.70	0.46
std6	100.000	99.556	0.444	380272.25	0.44

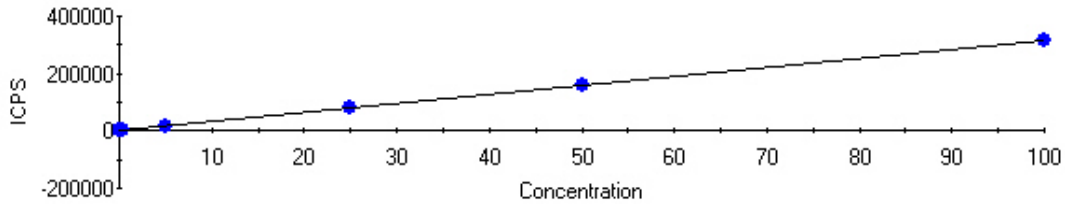
**121Sb FQ Block 1**



Intercept CPS=105.247869 Intercept Conc=0.025690  
Sensitivity=4096.850284 Correlation Coeff=0.999951

Label	Defined	Measured	Error	Mean CPS	% Error
std1	0.000	-0.001	0.001	101.77	0.00
std2	0.500	0.589	0.089	2519.29	17.85
std3	5.000	5.037	0.037	20739.16	0.73
std4	25.000	24.304	0.696	99673.51	2.79
std5	50.000	50.096	0.096	205342.87	0.19
std6	100.000	100.950	0.950	413682.52	0.95

**123Sb FQ Block 1**

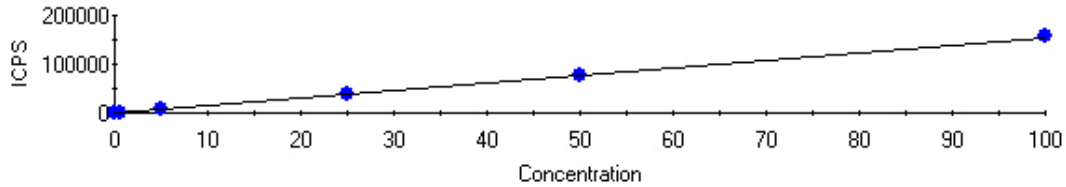


Intercept CPS=-61.938117 Intercept Conc=-0.019528  
Sensitivity=3171.792884 Correlation Coeff=0.999970

Label	Defined	Measured	Error	Mean CPS	% Error
std1	0.000	0.057	0.057	117.79	0.00
std2	0.500	0.654	0.154	2011.83	30.76
std3	5.000	5.200	0.200	16430.08	3.99
std4	25.000	24.385	0.615	77283.41	2.46
std5	50.000	50.123	0.123	158918.81	0.25

std6 100.000 100.081 0.081 317375.08 0.08

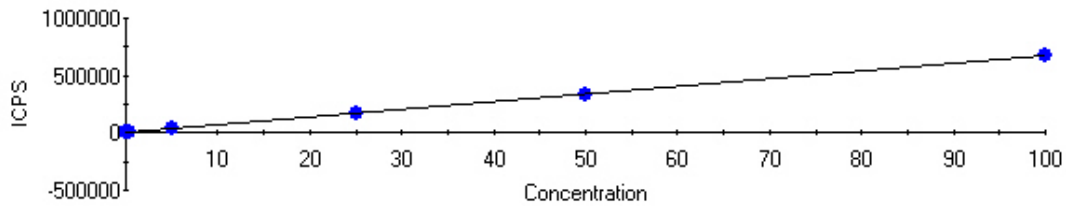
**137Ba FQ Block 1**



Intercept CPS=72.037800 Intercept Conc=0.046328  
Sensitivity=1554.946793 Correlation Coeff=0.999960

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	-0.008	0.008	60.24	0.00
std2	0.500	0.505	0.005	857.38	1.01
std3	5.000	5.200	0.200	8157.39	4.00
std4	25.000	24.500	0.500	38167.99	2.00
std5	50.000	49.402	0.598	76890.12	1.20
std6	100.000	100.220	0.220	155909.48	0.22

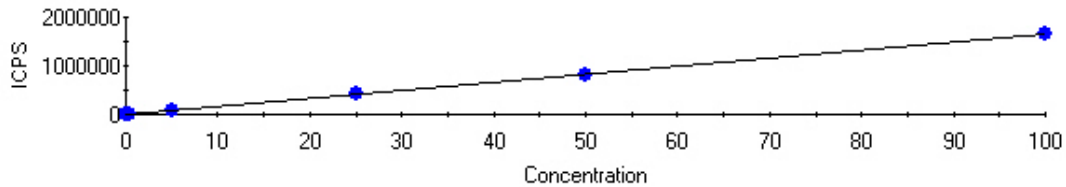
**203Tl FQ Block 1**



Intercept CPS=-763.011898 Intercept Conc=-0.112234  
Sensitivity=6798.393328 Correlation Coeff=0.999965

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	0.120	0.120	52.07	0.00
std2	0.500	0.609	0.109	3377.09	21.80
std3	5.000	5.295	0.295	35235.86	5.90
std4	25.000	24.605	0.395	166510.38	1.58
std5	50.000	49.575	0.425	336268.64	0.85
std6	100.000	100.296	0.296	681087.89	0.30

**205Tl FQ Block 1**



Intercept CPS=131.451199 Intercept Conc=0.007948  
Sensitivity=16539.896251 Correlation Coeff=0.999948

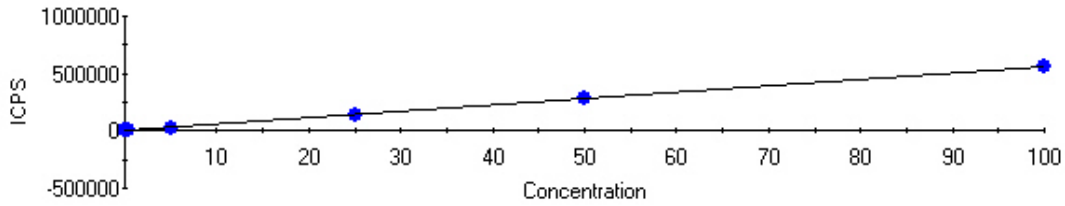
Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	0.000	0.000	132.75	0.00
std2	0.500	0.487	0.013	8193.46	2.51
std3	5.000	5.050	0.050	83662.81	1.01

5.1  
5



std4	25.000	24.610	0.390	407178.90	1.56
std5	50.000	49.549	0.451	819666.17	0.90
std6	100.000	100.960	0.960	1669991.31	0.96

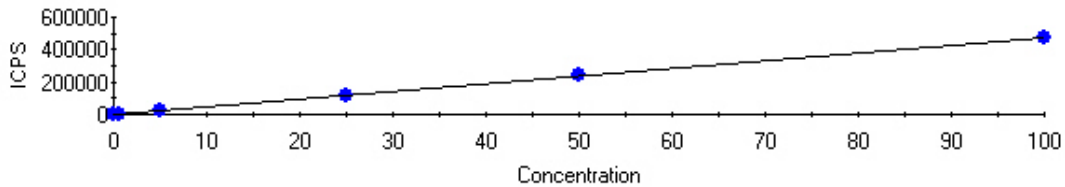
**206Pb FQ Block 1**



Intercept CPS=-183.972112 Intercept Conc=-0.032986  
Sensitivity=5577.278457 Correlation Coeff=0.999990

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	0.092	0.092	326.89	0.00
std2	0.500	0.574	0.074	3020.10	14.90
std3	5.000	5.079	0.079	28144.02	1.58
std4	25.000	24.880	0.120	138576.80	0.48
std5	50.000	49.699	0.301	276999.26	0.60
std6	100.000	100.176	0.176	558527.86	0.18

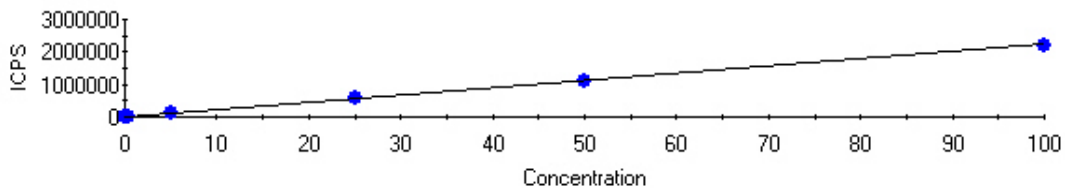
**207Pb FQ Block 1**



Intercept CPS=25.394581 Intercept Conc=0.005333  
Sensitivity=4761.780657 Correlation Coeff=0.999993

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	0.047	0.047	247.41	0.00
std2	0.500	0.539	0.039	2592.13	7.81
std3	5.000	5.157	0.157	24582.78	3.14
std4	25.000	24.803	0.197	118132.65	0.79
std5	50.000	49.826	0.174	237284.33	0.35
std6	100.000	100.128	0.128	476814.47	0.13

**208Pb FQ Block 1**



Intercept CPS=1152.421019 Intercept Conc=0.051577  
Sensitivity=22343.671986 Correlation Coeff=0.999990

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	0.000	0.000	1162.76	0.00

std2	0.500	0.488	0.012	12055.85	2.40
std3	5.000	5.022	0.022	113359.21	0.44
std4	25.000	24.502	0.498	548611.23	1.99
std5	50.000	49.302	0.698	1102748.90	1.40
std6	100.000	99.271	0.729	2219221.93	0.73

Dilution Corrected Concentrations

std1 1 11/2/2010 13:26:35

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:27:40	105.551%	-0.009	-0.242	-0.666	0.000	0.382	-0.127	0.646	0.510	±0.000
2	13:28:45	96.555%	0.007	-0.218	-0.620	0.000	0.691	0.279	0.545	0.589	±0.000
3	13:29:51	97.894%	0.007	-0.223	-0.699	0.000	-7.844	-0.918	-0.573	-0.915	±0.000
x		100.000%	0.001	-0.228	-0.662	0.000	-2.257	-0.256	0.206	0.061	±0.000
σ		4.854%	0.009	0.013	0.040	0.000	4.841	0.609	0.676	0.846	±0.000
%RSD		4.854	617.300	5.679	5.973	0.000	214.500	238.300	329.000	1383.000	±0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:27:40	0.806	-22.000	-11.190	102.442%	-0.148	-0.019	0.039	-0.552	125.500	0.022
2	13:28:45	2.732	-22.280	-10.860	99.801%	-0.198	0.029	0.014	-0.103	124.200	0.021
3	13:29:51	2.225	-24.400	-17.580	97.757%	-0.197	-0.049	0.003	0.421	127.100	0.005
x		1.921	-22.890	-13.210	100.000%	-0.181	-0.013	0.018	-0.078	125.600	0.016
σ		0.999	1.308	3.788	2.349%	0.029	0.039	0.019	0.487	1.465	0.010
%RSD		51.990	5.711	28.680	2.349	15.940	304.700	102.300	625.300	1.166	59.140
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:27:40	-0.599	-1.865	0.018	0.144	0.256	-0.225	0.021	0.468	-0.383	-0.300
2	13:28:45	0.548	-1.901	0.018	0.206	0.145	-0.211	-0.001	0.599	-0.193	-0.149
3	13:29:51	-0.750	-3.037	-0.020	0.146	0.286	-0.228	-0.029	0.431	0.011	-0.102
x		-0.267	-2.267	0.005	0.165	0.229	-0.221	-0.003	0.499	-0.188	-0.184
σ		0.710	0.666	0.022	0.035	0.074	0.009	0.025	0.088	0.197	0.104
%RSD		266.200	29.390	422.000	21.410	32.500	4.128	876.100	17.660	104.600	56.470
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:27:40	-0.036	0.159	-0.216	0.000	0.000	-0.003	0.012	102.202%	-0.079	-0.045
2	13:28:45	-0.077	0.561	-0.097	0.000	0.000	-0.011	0.003	99.430%	0.343	0.346
3	13:29:51	-0.008	0.289	0.084	0.000	0.000	-0.020	-0.016	98.367%	0.389	0.349
x		-0.040	0.336	-0.076	0.000	0.000	-0.011	-0.000	100.000%	0.218	0.217
σ		0.034	0.205	0.151	0.000	0.000	0.008	0.014	1.980%	0.258	0.227
%RSD		85.040	60.950	198.500	0.000	0.000	75.500	4104.000	1.980	118.600	104.600
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:27:40	-0.074	103.364%	-0.446	0.001	0.273	0.036	0.113	-0.023	0.207	103.099%
2	13:28:45	0.229	98.386%	-0.236	0.000	0.261	0.065	0.109	-0.015	0.219	98.723%
3	13:29:51	0.389	98.250%	0.117	-0.001	0.239	0.094	0.109	-0.002	0.225	98.178%
x		0.181	100.000%	-0.188	0.000	0.258	0.065	0.110	-0.013	0.217	100.000%
σ		0.235	2.914%	0.284	0.001	0.017	0.029	0.002	0.011	0.009	2.698%
%RSD		129.800	2.914	151.200	1208.000	6.606	44.340	2.236	82.000	4.112	2.698
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:27:40	-0.035	0.001	0.046	0.016	104.293%	104.070%	0.123	0.001	0.101	0.050
2	13:28:45	-0.007	-0.003	0.051	-0.007	98.239%	97.674%	0.119	0.002	0.095	0.044
3	13:29:51	0.004	-0.001	0.073	-0.031	97.468%	98.256%	0.117	-0.003	0.079	0.045
x		-0.012	-0.001	0.057	-0.008	100.000%	100.000%	0.120	0.000	0.092	0.047
σ		0.020	0.002	0.014	0.024	3.738%	3.537%	0.003	0.002	0.011	0.003
%RSD		160.400	258.900	25.210	309.800	3.738	3.537	2.553	3026.000	12.150	6.900
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	13:27:40	0.004	102.382%	0.000	0.000						
2	13:28:45	0.001	99.147%	0.000	0.000						
3	13:29:51	-0.004	98.471%	0.000	0.000						
x		0.000	100.000%	0.000	0.000						
σ		0.004	2.090%	0.000	0.000						
%RSD		874.400	2.090	0.000	0.000						

51  
5

std2 11/2/2010 13:30:16

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:31:22	103.574%	0.513	1.612	0.783	0.000	-4.960	-0.772	0.012	-0.002	±0.000
2	13:32:27	107.815%	0.467	1.356	0.776	0.000	2.499	0.528	1.099	1.300	±0.000
3	13:33:32	101.722%	0.484	1.037	0.942	0.000	-6.277	-0.868	-0.209	-0.254	±0.000
x		104.370%	0.488	1.335	0.834	0.000	-2.913	-0.371	0.301	0.348	±0.000
σ		3.124%	0.023	0.288	0.094	0.000	4.732	0.780	0.700	0.834	±0.000
%RSD		2.993	4.803	21.580	11.250	0.000	162.500	210.400	232.800	239.600	±0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:31:22	1.196	-29.610	-17.870	107.597%	0.335	0.549	0.521	0.123	121.600	0.492
2	13:32:27	-0.218	-20.310	-12.540	106.374%	0.305	0.354	0.476	0.445	122.100	0.498
3	13:33:32	1.774	-27.700	-18.550	101.614%	0.413	0.411	0.513	0.522	124.000	0.486
x		0.917	-25.870	-16.320	105.195%	0.351	0.438	0.503	0.364	122.600	0.492
σ		1.025	4.914	3.291	3.161%	0.056	0.100	0.024	0.212	1.260	0.006
%RSD		111.800	18.990	20.160	3.005	15.860	22.870	4.685	58.180	1.028	1.245
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:31:22	-2.626	-3.218	0.479	0.461	0.542	0.290	0.515	0.543	0.020	-0.291
2	13:32:27	-1.438	-0.897	0.518	0.488	0.651	0.318	0.482	0.458	-0.055	-0.349
3	13:33:32	-1.862	-2.686	0.456	0.465	0.509	0.317	0.495	0.596	-0.005	-0.210
x		-1.975	-2.267	0.485	0.471	0.567	0.308	0.497	0.532	-0.013	-0.283
σ		0.602	1.216	0.031	0.014	0.074	0.016	0.016	0.070	0.038	0.070
%RSD		30.460	53.620	6.475	3.010	13.120	5.233	3.293	13.120	289.200	24.690
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:31:22	0.407	0.194	0.283	0.000	0.000	0.505	0.474	105.110%	0.184	0.162
2	13:32:27	0.534	-0.141	0.219	0.000	0.000	0.526	0.537	104.098%	0.630	0.681
3	13:33:32	0.450	0.414	0.481	0.000	0.000	0.512	0.486	101.650%	0.560	0.684
x		0.464	0.156	0.328	0.000	0.000	0.515	0.499	103.619%	0.458	0.509
σ		0.064	0.279	0.137	0.000	0.000	0.011	0.033	1.779%	0.240	0.300
%RSD		13.890	179.300	41.670	0.000	0.000	2.149	6.684	1.717	52.350	59.020
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:31:22	0.136	104.932%	0.475	0.493	0.252	0.605	0.597	0.500	0.681	105.023%
2	13:32:27	0.525	103.101%	0.650	0.449	0.268	0.998	0.594	0.507	0.716	103.747%
3	13:33:32	0.607	102.148%	0.683	0.464	0.240	0.624	0.587	0.499	0.714	100.749%
x		0.423	103.394%	0.603	0.469	0.253	0.742	0.593	0.502	0.704	103.173%
σ		0.251	1.415%	0.112	0.022	0.014	0.222	0.005	0.004	0.020	2.194%
%RSD		59.460	1.369	18.600	4.765	5.645	29.900	0.817	0.864	2.775	2.127
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:31:22	0.493	0.573	0.625	0.550	102.741%	103.471%	0.612	0.478	0.572	0.505
2	13:32:27	0.508	0.580	0.680	0.506	102.501%	102.930%	0.600	0.500	0.587	0.556
3	13:33:32	0.523	0.615	0.656	0.459	100.601%	101.447%	0.615	0.484	0.565	0.557
x		0.508	0.589	0.654	0.505	101.948%	102.616%	0.609	0.487	0.575	0.539
σ		0.015	0.023	0.028	0.045	1.172%	1.048%	0.008	0.012	0.012	0.030
%RSD		2.950	3.820	4.225	8.971	1.150	1.021	1.316	2.386	2.015	5.537
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	13:31:22	0.475	104.064%	0.000	0.000						
2	13:32:27	0.500	101.515%	0.000	0.000						
3	13:33:32	0.489	102.347%	0.000	0.000						
x		0.488	102.642%	0.000	0.000						
σ		0.013	1.300%	0.000	0.000						
%RSD		2.588	1.266	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:35:03	103.375%	4.934	5.469	4.637	0.000	-2.224	4.416	4.699	4.657	±0.000
2	13:36:08	100.388%	5.080	5.986	5.239	0.000	-2.320	4.014	4.492	4.635	±0.000
3	13:37:13	102.093%	5.170	5.617	5.183	0.000	4.405	5.878	5.458	5.989	±0.000
x		101.952%	5.061	5.691	5.019	0.000	-0.046	4.769	4.883	5.094	±0.000
σ		1.499%	0.119	0.266	0.333	0.000	3.855	0.981	0.509	0.776	±0.000
%RSD		1.470	2.347	4.671	6.626	0.000	8321.000	20.560	10.410	15.230	±0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:35:03	5.430	-22.520	-11.350	101.459%	5.061	5.275	5.267	4.989	122.200	5.131
2	13:36:08	4.989	-21.900	-13.070	101.843%	4.776	5.000	5.039	5.309	120.100	5.062
3	13:37:13	7.854	-12.880	-6.949	97.124%	4.894	5.163	5.148	5.249	125.600	5.183
x		6.091	-19.100	-10.460	100.142%	4.910	5.146	5.151	5.182	122.600	5.125
σ		1.542	5.394	3.159	2.621%	0.143	0.138	0.114	0.171	2.797	0.060
%RSD		25.320	28.240	30.210	2.617	2.911	2.689	2.213	3.289	2.281	1.179
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:35:03	2.046	1.886	5.007	5.339	5.411	4.943	5.309	4.574	4.443	3.969
2	13:36:08	2.175	1.336	5.096	5.059	5.160	4.882	5.123	4.565	3.987	3.900
3	13:37:13	5.512	3.442	5.420	5.317	5.233	5.284	5.379	4.686	4.264	4.314
x		3.244	2.221	5.174	5.238	5.268	5.036	5.270	4.608	4.231	4.061
σ		1.965	1.092	0.217	0.156	0.129	0.217	0.133	0.067	0.230	0.222
%RSD		60.560	49.170	4.199	2.970	2.451	4.299	2.517	1.458	5.437	5.473
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:35:03	5.143	4.963	5.248	0.000	0.000	5.097	5.040	99.459%	4.449	4.626
2	13:36:08	5.053	4.848	4.989	0.000	0.000	5.175	4.940	101.371%	4.457	4.743
3	13:37:13	5.119	5.507	5.344	0.000	0.000	5.205	5.122	97.476%	5.243	5.214
x		5.105	5.106	5.193	0.000	0.000	5.159	5.034	99.435%	4.716	4.861
σ		0.047	0.352	0.184	0.000	0.000	0.056	0.091	1.948%	0.456	0.311
%RSD		0.913	6.887	3.540	0.000	0.000	1.077	1.815	1.959	9.665	6.405
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:35:03	4.357	101.436%	4.104	4.951	0.340	5.215	5.028	4.996	5.157	101.509%
2	13:36:08	4.769	100.358%	4.735	4.938	0.294	5.151	5.109	5.240	5.237	100.740%
3	13:37:13	5.248	96.564%	5.476	5.089	0.217	4.769	5.196	5.279	5.344	99.655%
x		4.791	99.453%	4.772	4.993	0.284	5.045	5.111	5.171	5.246	100.635%
σ		0.446	2.559%	0.686	0.084	0.062	0.241	0.084	0.153	0.094	0.931%
%RSD		9.307	2.573	14.380	1.679	21.960	4.782	1.651	2.966	1.783	0.925
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:35:03	4.974	4.965	5.194	5.124	100.151%	101.554%	5.326	5.072	5.067	5.024
2	13:36:08	5.042	5.004	5.183	5.136	100.376%	101.340%	5.279	5.054	5.024	5.213
3	13:37:13	4.976	5.140	5.223	5.339	97.142%	99.864%	5.280	5.025	5.146	5.235
x		4.997	5.037	5.200	5.200	99.223%	100.919%	5.295	5.050	5.079	5.157
σ		0.039	0.092	0.021	0.121	1.806%	0.920%	0.027	0.024	0.062	0.116
%RSD		0.775	1.819	0.397	2.317	1.820	0.912	0.510	0.473	1.223	2.241
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	13:35:03	5.007	100.771%	0.000	0.000						
2	13:36:08	5.013	100.428%	0.000	0.000						
3	13:37:13	5.045	101.016%	0.000	0.000						
x		5.022	100.738%	0.000	0.000						
σ		0.020	0.295%	0.000	0.000						
%RSD		0.407	0.293	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:38:44	103.212%	23.820	22.950	23.200	0.000	19.590	23.760	24.330	23.300	±0.000
2	13:39:50	99.500%	25.200	23.610	23.770	0.000	25.690	24.670	25.400	24.350	±0.000
3	13:40:55	98.989%	25.130	24.570	26.140	0.000	20.310	24.640	24.520	23.610	±0.000
x		100.567%	24.720	23.710	24.370	0.000	21.860	24.350	24.750	23.750	±0.000
σ		2.305%	0.778	0.818	1.558	0.000	3.332	0.515	0.569	0.540	±0.000
%RSD		2.292	3.148	3.450	6.393	0.000	15.240	2.116	2.297	2.273	±0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:38:44	27.150	35.910	37.300	100.674%	24.980	24.460	24.280	24.910	131.000	24.170
2	13:39:50	27.410	41.210	43.270	99.385%	24.730	24.690	24.490	26.110	117.300	23.810
3	13:40:55	28.330	36.560	35.220	97.500%	24.750	25.040	25.180	24.650	127.100	24.830
x		27.630	37.890	38.600	99.186%	24.820	24.730	24.650	25.220	125.100	24.270
σ		0.621	2.890	4.182	1.596%	0.138	0.290	0.470	0.780	7.052	0.519
%RSD		2.248	7.627	10.840	1.609	0.555	1.171	1.905	3.094	5.637	2.137
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:38:44	23.530	22.600	25.740	24.120	24.880	25.370	24.480	26.540	26.100	26.170
2	13:39:50	25.360	24.110	24.970	25.630	23.690	24.500	25.330	26.130	26.270	26.940
3	13:40:55	23.810	23.380	25.330	24.970	24.630	25.570	25.890	26.780	26.470	27.790
x		24.230	23.360	25.340	24.910	24.400	25.150	25.230	26.480	26.280	26.970
σ		0.985	0.754	0.386	0.756	0.622	0.568	0.713	0.334	0.181	0.810
%RSD		4.064	3.228	1.521	3.036	2.550	2.257	2.825	1.259	0.689	3.004
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:38:44	24.180	25.120	24.660	0.000	0.000	24.830	24.150	100.350%	24.240	23.880
2	13:39:50	23.960	25.360	24.710	0.000	0.000	24.760	24.040	100.004%	24.820	23.940
3	13:40:55	24.820	24.390	25.320	0.000	0.000	24.970	25.110	96.944%	24.960	25.060
x		24.320	24.960	24.890	0.000	0.000	24.850	24.430	99.099%	24.670	24.290
σ		0.447	0.503	0.366	0.000	0.000	0.106	0.586	1.875%	0.381	0.661
%RSD		1.839	2.016	1.471	0.000	0.000	0.426	2.398	1.892	1.544	2.722
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:38:44	23.380	101.744%	24.320	24.180	0.429	25.340	24.570	24.120	24.300	100.383%
2	13:39:50	23.940	99.635%	25.220	24.640	0.227	23.320	24.590	24.820	24.310	99.698%
3	13:40:55	26.090	95.738%	25.970	25.860	0.374	25.980	25.250	24.510	24.590	98.352%
x		24.470	99.039%	25.170	24.890	0.344	24.880	24.800	24.480	24.400	99.477%
σ		1.428	3.047%	0.828	0.868	0.104	1.384	0.389	0.352	0.167	1.033%
%RSD		5.834	3.077	3.289	3.486	30.370	5.562	1.568	1.438	0.683	1.039
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:38:44	24.430	23.870	24.110	24.660	101.094%	100.074%	25.010	24.570	25.040	24.680
2	13:39:50	23.740	24.480	24.080	23.950	101.767%	99.743%	24.090	24.230	24.590	24.470
3	13:40:55	24.510	24.560	24.970	24.890	98.068%	100.887%	24.720	25.030	25.020	25.260
x		24.230	24.300	24.390	24.500	100.310%	100.235%	24.600	24.610	24.880	24.800
σ		0.427	0.377	0.504	0.491	1.970%	0.588%	0.473	0.403	0.253	0.411
%RSD		1.761	1.550	2.066	2.003	1.964	0.587	1.922	1.637	1.018	1.656
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	13:38:44	24.480	100.381%	0.000	0.000						
2	13:39:50	24.000	102.184%	0.000	0.000						
3	13:40:55	25.020	97.455%	0.000	0.000						
x		24.500	100.007%	0.000	0.000						
σ		0.512	2.386%	0.000	0.000						
%RSD		2.091	2.386	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:42:26	97.257%	50.250	49.480	51.340	0.000	62.790	51.610	53.340	51.070	±0.000
2	13:43:32	97.908%	49.050	51.400	50.040	0.000	78.010	54.540	53.990	54.960	±0.000
3	13:44:37	95.551%	50.580	47.370	53.310	0.000	63.380	53.120	52.240	52.860	±0.000
x		96.905%	49.960	49.420	51.560	0.000	68.060	53.090	53.190	52.970	±0.000
σ		1.218%	0.806	2.014	1.642	0.000	8.623	1.464	0.885	1.950	±0.000
%RSD		1.256	1.613	4.075	3.184	0.000	12.670	2.757	1.664	3.681	±0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:42:26	48.900	64.890	63.580	101.025%	49.880	49.400	49.230	49.400	129.500	48.900
2	13:43:32	52.270	101.700	76.350	97.707%	52.100	50.710	50.560	50.940	137.800	50.930
3	13:44:37	49.380	55.980	63.110	97.428%	51.320	50.720	50.790	48.900	126.100	51.260
x		50.180	74.180	67.680	98.720%	51.100	50.270	50.190	49.750	131.100	50.360
σ		1.822	24.230	7.511	2.001%	1.130	0.761	0.837	1.060	6.004	1.281
%RSD		3.630	32.660	11.100	2.027	2.212	1.514	1.668	2.132	4.578	2.544
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:42:26	58.220	60.030	49.350	48.950	48.990	51.280	49.210	50.540	51.810	49.430
2	13:43:32	62.630	63.590	49.900	51.120	50.710	49.920	50.260	51.610	51.050	52.390
3	13:44:37	58.920	61.210	50.200	49.690	49.700	50.410	48.970	50.800	49.960	50.460
x		59.930	61.610	49.820	49.920	49.800	50.540	49.480	50.980	50.940	50.760
σ		2.369	1.812	0.431	1.104	0.861	0.685	0.686	0.559	0.930	1.503
%RSD		3.954	2.941	0.865	2.212	1.729	1.356	1.386	1.096	1.825	2.961
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:42:26	48.580	49.260	49.230	0.000	0.000	49.390	49.420	99.605%	50.290	49.490
2	13:43:32	50.010	50.790	51.160	0.000	0.000	51.480	52.230	98.074%	52.900	52.560
3	13:44:37	49.920	49.580	50.470	0.000	0.000	50.630	50.120	96.654%	51.530	50.570
x		49.500	49.880	50.290	0.000	0.000	50.500	50.590	98.111%	51.580	50.870
σ		0.799	0.809	0.980	0.000	0.000	1.051	1.465	1.476%	1.307	1.558
%RSD		1.615	1.623	1.948	0.000	0.000	2.082	2.897	1.504	2.535	3.062
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:42:26	49.370	98.933%	49.290	49.170	0.500	49.490	49.380	49.380	48.870	99.777%
2	13:43:32	52.580	96.662%	51.520	51.110	0.314	49.010	50.510	50.940	51.000	97.210%
3	13:44:37	51.000	97.810%	50.240	50.110	0.466	49.950	49.150	50.560	48.920	98.021%
x		50.980	97.802%	50.350	50.130	0.427	49.480	49.680	50.290	49.600	98.336%
σ		1.605	1.136%	1.119	0.971	0.099	0.474	0.727	0.813	1.216	1.312%
%RSD		3.148	1.161	2.223	1.936	23.130	0.957	1.463	1.616	2.451	1.335
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:42:26	49.940	48.910	48.990	48.120	100.689%	98.237%	48.300	49.260	49.190	50.170
2	13:43:32	50.160	50.950	50.970	50.220	100.281%	97.833%	49.050	49.710	49.100	49.890
3	13:44:37	50.590	50.430	50.400	49.860	96.903%	96.232%	51.380	49.680	50.810	49.420
x		50.230	50.100	50.120	49.400	99.291%	97.434%	49.580	49.550	49.700	49.830
σ		0.329	1.059	1.019	1.122	2.078%	1.060%	1.608	0.252	0.962	0.376
%RSD		0.655	2.115	2.033	2.271	2.093	1.088	3.244	0.508	1.936	0.755
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	13:42:26	48.930	101.198%	0.000	0.000						
2	13:43:32	49.170	100.861%	0.000	0.000						
3	13:44:37	49.810	98.950%	0.000	0.000						
x		49.300	100.336%	0.000	0.000						
σ		0.456	1.212%	0.000	0.000						
%RSD		0.925	1.208	0.000	0.000						

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std6 11/2/2010 13:45:02

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:46:08	98.563%	98.610	99.140	95.460	0.000	95.430	94.750	93.380	95.210	±0.000
2	13:47:13	98.195%	97.300	97.600	<u>m102.900</u>	0.000	91.740	99.980	97.640	96.200	±0.000
3	13:48:19	90.326%	<u>m112.800</u>	<u>m105.000</u>	99.710	0.000	101.400	102.100	100.000	103.200	±0.000
x		<u>95.695%</u>	<u>m102.900</u>	<u>m100.600</u>	<u>m99.370</u>	0.000	<u>96.210</u>	<u>98.950</u>	<u>97.020</u>	<u>98.220</u>	<u>±0.000</u>
σ		4.653%	<u>m8.588</u>	<u>m3.896</u>	<u>m3.757</u>	0.000	4.898	3.788	3.375	4.372	±0.000
%RSD		4.862	<u>m8.346</u>	<u>m3.874</u>	<u>m3.781</u>	0.000	5.091	3.829	3.478	4.452	±0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:46:08	91.850	145.600	119.600	99.839%	97.720	97.940	97.280	95.830	159.800	97.780
2	13:47:13	92.010	131.700	115.500	99.504%	<u>m100.300</u>	99.230	99.520	<u>m100.300</u>	122.900	98.910
3	13:48:19	95.590	148.300	116.000	95.728%	<u>m100.500</u>	<u>m102.600</u>	<u>m103.200</u>	<u>m104.000</u>	124.900	<u>m101.900</u>
x		<u>93.150</u>	<u>141.900</u>	<u>117.100</u>	<u>98.357%</u>	<u>m99.500</u>	<u>m99.920</u>	<u>m99.980</u>	<u>m100.100</u>	<u>135.900</u>	<u>m99.530</u>
σ		2.116	8.921	2.223	2.283%	<u>m1.546</u>	<u>m2.411</u>	<u>m2.963</u>	<u>m4.108</u>	20.750	<u>m2.124</u>
%RSD		2.271	6.287	1.899	2.321	<u>m1.553</u>	<u>m2.413</u>	<u>m2.964</u>	<u>m4.105</u>	15.270	<u>m2.134</u>
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:46:08	95.240	96.060	98.630	99.620	99.700	98.480	94.810	98.200	99.880	97.430
2	13:47:13	93.540	97.330	98.080	99.850	99.600	99.910	98.880	99.290	99.230	98.580
3	13:48:19	97.250	101.200	<u>m101.500</u>	<u>m101.900</u>	<u>m101.400</u>	<u>m100.700</u>	<u>m100.000</u>	<u>m100.400</u>	98.650	<u>m101.500</u>
x		<u>95.340</u>	<u>98.190</u>	<u>m99.390</u>	<u>m100.500</u>	<u>m100.200</u>	<u>m99.690</u>	<u>m97.910</u>	<u>m99.290</u>	<u>99.250</u>	<u>m99.180</u>
σ		1.859	2.654	<u>m1.812</u>	<u>m1.251</u>	<u>m1.019</u>	<u>m1.126</u>	<u>m2.742</u>	<u>m1.083</u>	0.614	<u>m2.113</u>
%RSD		1.950	2.703	<u>m1.823</u>	<u>m1.245</u>	<u>m1.017</u>	<u>m1.129</u>	<u>m2.800</u>	<u>m1.091</u>	0.619	<u>m2.130</u>
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:46:08	96.930	99.260	99.620	0.000	0.000	<u>m100.200</u>	<u>m103.800</u>	97.864%	<u>m101.100</u>	<u>m100.900</u>
2	13:47:13	96.250	98.520	98.350	0.000	0.000	98.080	97.200	99.949%	98.960	95.030
3	13:48:19	99.130	<u>m102.400</u>	<u>m101.700</u>	0.000	0.000	<u>m101.400</u>	<u>m101.700</u>	95.658%	<u>m105.000</u>	<u>m103.300</u>
x		<u>97.440</u>	<u>m100.100</u>	<u>m99.870</u>	0.000	0.000	<u>m99.870</u>	<u>m100.900</u>	<u>97.824%</u>	<u>m101.700</u>	<u>m99.750</u>
σ		1.504	<u>m2.073</u>	<u>m1.666</u>	0.000	0.000	<u>m1.663</u>	<u>m3.368</u>	2.146%	<u>m3.063</u>	<u>m4.255</u>
%RSD		1.544	<u>m2.072</u>	<u>m1.668</u>	0.000	0.000	<u>m1.665</u>	<u>m3.338</u>	2.193	<u>m3.012</u>	<u>m4.266</u>
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:46:08	98.290	99.128%	97.950	99.140	0.862	99.700	99.210	96.700	97.360	100.760%
2	13:47:13	98.750	99.922%	98.120	<u>m102.300</u>	0.636	97.300	<u>m100.000</u>	99.630	<u>m102.000</u>	97.659%
3	13:48:19	<u>m101.900</u>	96.379%	<u>m103.300</u>	<u>m101.100</u>	0.777	<u>m103.900</u>	<u>m101.400</u>	<u>m101.900</u>	<u>m101.600</u>	95.746%
x		<u>m99.650</u>	<u>98.477%</u>	<u>m99.790</u>	<u>m100.800</u>	0.758	<u>m100.300</u>	<u>m100.200</u>	<u>m99.400</u>	<u>m100.300</u>	<u>98.055%</u>
σ		<u>m1.974</u>	1.859%	<u>m3.040</u>	<u>m1.582</u>	0.114	<u>m3.316</u>	<u>m1.108</u>	<u>m2.596</u>	<u>m2.587</u>	2.530%
%RSD		<u>m1.980</u>	1.888	<u>m3.046</u>	<u>m1.569</u>	15.040	<u>m3.306</u>	<u>m1.106</u>	<u>m2.612</u>	<u>m2.578</u>	2.581
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:46:08	97.010	97.270	97.130	98.440	100.851%	100.493%	98.510	98.640	97.900	96.480
2	13:47:13	99.820	<u>m101.800</u>	<u>m100.700</u>	<u>m102.400</u>	99.740%	97.644%	<u>m102.800</u>	<u>m103.000</u>	<u>m103.200</u>	<u>m102.100</u>
3	13:48:19	<u>m101.800</u>	<u>m103.700</u>	<u>m102.500</u>	99.870	98.083%	96.319%	99.600	<u>m101.300</u>	99.400	<u>m101.800</u>
x		<u>m99.560</u>	<u>m101.000</u>	<u>m100.100</u>	<u>m100.200</u>	<u>99.558%</u>	<u>98.152%</u>	<u>m100.300</u>	<u>m101.000</u>	<u>m100.200</u>	<u>m100.100</u>
σ		<u>m2.425</u>	<u>m3.327</u>	<u>m2.709</u>	<u>m1.980</u>	1.393%	2.133%	<u>m2.219</u>	<u>m2.177</u>	<u>m2.746</u>	<u>m3.161</u>
%RSD		<u>m2.435</u>	<u>m3.296</u>	<u>m2.707</u>	<u>m1.976</u>	1.399	2.173	<u>m2.213</u>	<u>m2.156</u>	<u>m2.741</u>	<u>m3.157</u>
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	13:46:08	96.430	103.206%	0.000	0.000						
2	13:47:13	<u>m102.000</u>	98.454%	0.000	0.000						
3	13:48:19	99.380	100.409%	0.000	0.000						
x		<u>m99.270</u>	<u>100.690%</u>	0.000	0.000						
σ		<u>m2.788</u>	2.388%	0.000	0.000						
%RSD		<u>m2.808</u>	2.372	0.000	0.000						

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std7 11/2/2010 13:48:44

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:49:50	104.218%	0.130	3.918	3.428	0.000	TM 969.300	974.900	954.500	TM 963.200	TM 0.000
2	13:50:55	99.642%	-0.001	1.840	1.574	0.000	TM 1028.000	M 1023.000	M 1011.000	TM 1027.000	TM 0.000
3	13:52:01	97.662%	0.007	1.468	0.990	0.000	TM 1001.000	M 1002.000	M 1035.000	TM 1010.000	TM 0.000
x		100.507%	0.045	2.409	1.997	0.000	TM 999.600	M 1000.000	M 1000.000	TM 1000.000	TM 0.000
σ		3.362%	0.074	1.320	1.273	0.000	TM 29.510	M 24.170	M 41.220	TM 33.130	TM 0.000
%RSD		3.345	163.000	54.820	63.710	0.000	TM 2.953	M 2.417	M 4.122	TM 3.313	TM 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:49:50	TM 961.000	981.800	959.000	103.886%	0.099	-0.115	0.110	-0.956	111.300	0.130
2	13:50:55	TM 1031.000	988.300	M 1047.000	99.577%	-0.045	0.064	0.014	-0.155	109.100	0.021
3	13:52:01	TM 1010.000	M 1013.000	985.700	100.143%	-0.039	0.262	-0.030	0.348	104.600	0.022
x		TM 1001.000	M 994.400	M 997.200	101.202%	0.005	0.070	0.031	-0.255	108.300	0.058
σ		TM 35.750	M 16.540	M 45.030	2.342%	0.082	0.189	0.072	0.658	3.420	0.063
%RSD		TM 3.573	M 1.663	M 4.516	2.314	1676.000	269.200	230.000	258.500	3.156	108.900
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:49:50	TM 960.700	966.600	0.093	0.152	0.327	-0.165	0.084	2.354	1.842	1.445
2	13:50:55	TM 1042.000	M 1023.000	-0.016	0.017	0.266	-0.257	-0.062	2.542	2.071	1.694
3	13:52:01	TM 997.500	M 1009.000	-0.022	0.035	0.116	-0.256	-0.070	2.555	1.645	1.629
x		TM 1000.000	M 999.700	0.019	0.068	0.237	-0.226	-0.016	2.484	1.853	1.589
σ		TM 40.610	M 29.470	0.065	0.073	0.109	0.053	0.087	0.113	0.214	0.129
%RSD		TM 4.061	M 2.948	350.000	108.000	45.900	23.360	534.100	4.536	11.530	8.117
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:49:50	0.221	-1.491	-0.057	0.000	0.000	0.324	0.112	103.997%	2.581	2.421
2	13:50:55	-0.138	-0.491	-0.073	0.000	0.000	0.100	0.029	99.578%	1.812	1.942
3	13:52:01	-0.000	-1.070	-0.186	0.000	0.000	0.072	0.023	100.477%	1.860	1.816
x		0.027	-1.017	-0.105	0.000	0.000	0.165	0.055	101.351%	2.084	2.060
σ		0.181	0.502	0.070	0.000	0.000	0.138	0.050	2.335%	0.431	0.319
%RSD		658.100	49.360	66.720	0.000	0.000	83.340	90.740	2.304	20.660	15.490
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:49:50	2.489	103.793%	0.097	0.104	0.236	0.036	0.216	0.130	0.314	104.849%
2	13:50:55	1.924	99.666%	-0.618	0.073	0.290	0.122	0.174	-0.040	0.203	100.228%
3	13:52:01	1.956	97.119%	-0.426	0.092	0.275	0.094	0.189	-0.021	0.191	99.449%
x		2.123	100.193%	-0.316	0.090	0.267	0.084	0.193	0.023	0.236	101.509%
σ		0.317	3.368%	0.370	0.015	0.028	0.044	0.021	0.093	0.068	2.919%
%RSD		14.930	3.362	117.200	17.160	10.440	51.800	11.050	402.500	28.650	2.875
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:49:50	1.036	3.565	3.567	0.098	106.268%	103.454%	0.219	0.100	0.173	0.150
2	13:50:55	1.488	3.341	3.411	0.012	101.711%	99.422%	0.166	0.045	0.086	0.055
3	13:52:01	1.778	3.499	3.466	-0.012	101.021%	100.689%	0.158	0.042	0.092	0.064
x		1.434	3.468	3.481	0.033	103.000%	101.188%	0.181	0.062	0.117	0.090
σ		0.374	0.115	0.080	0.058	2.851%	2.062%	0.033	0.033	0.049	0.052
%RSD		26.060	3.320	2.285	175.800	2.768	2.038	18.120	52.410	41.600	58.130
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	13:49:50	0.088	103.689%	0.000	0.000						
2	13:50:55	0.009	101.024%	0.000	0.000						
3	13:52:01	0.007	100.110%	0.000	0.000						
x		0.035	101.608%	0.000	0.000						
σ		0.046	1.860%	0.000	0.000						
%RSD		133.700	1.830	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:53:32	100.205%	57.730	57.740	62.750	0.000	416.000	438.300	433.900	58.700	±0.000
2	13:54:37	99.813%	57.430	63.010	66.580	0.000	435.900	445.700	430.500	59.970	±0.000
3	13:55:42	101.413%	56.360	59.090	64.560	0.000	428.800	442.500	424.700	58.080	±0.000
x		100.477%	57.170	59.950	64.630	0.000	426.900	442.200	429.700	58.920	±0.000
σ		0.834%	0.720	2.738	1.913	0.000	10.110	3.702	4.656	0.966	±0.000
%RSD		0.830	1.260	4.567	2.960	0.000	2.369	0.837	1.084	1.640	±0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:53:32	413.400	490.600	454.700	98.871%	61.570	59.320	60.840	60.270	135.200	59.760
2	13:54:37	417.400	480.100	450.600	101.220%	60.470	61.270	62.130	64.140	119.900	60.680
3	13:55:42	412.100	475.200	452.500	101.203%	63.130	57.480	59.130	55.160	140.300	58.480
x		414.300	481.900	452.600	100.431%	61.720	59.360	60.700	59.860	131.800	59.640
σ		2.766	7.858	2.029	1.351%	1.336	1.895	1.507	4.502	10.610	1.101
%RSD		0.668	1.631	0.448	1.345	2.165	3.193	2.483	7.520	8.054	1.846
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:53:32	446.100	441.300	61.720	58.900	58.600	61.020	59.420	56.870	59.410	60.540
2	13:54:37	±451.400	461.300	61.500	59.830	58.960	60.060	61.330	59.430	58.570	60.990
3	13:55:42	439.000	429.500	58.990	59.820	59.330	58.740	58.010	58.300	58.320	59.270
x		±445.500	444.000	60.740	59.520	58.960	59.940	59.590	58.200	58.770	60.260
σ		±6.231	16.060	1.513	0.532	0.368	1.148	1.670	1.279	0.569	0.892
%RSD		±1.399	3.617	2.491	0.894	0.624	1.916	2.802	2.197	0.968	1.480
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:53:32	57.070	58.700	58.590	0.000	0.000	59.100	60.860	100.275%	59.990	60.850
2	13:54:37	58.290	59.680	59.270	0.000	0.000	59.840	62.370	101.079%	62.030	62.620
3	13:55:42	56.740	57.590	58.360	0.000	0.000	58.630	60.930	101.145%	59.670	59.200
x		57.370	58.660	58.740	0.000	0.000	59.190	61.390	100.833%	60.560	60.890
σ		0.816	1.041	0.472	0.000	0.000	0.610	0.850	0.484%	1.280	1.709
%RSD		1.423	1.775	0.803	0.000	0.000	1.030	1.385	0.480	2.113	2.807
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:53:32	60.870	98.613%	58.090	59.120	0.618	59.210	58.330	59.130	58.050	100.747%
2	13:54:37	61.790	99.042%	59.110	60.010	0.497	58.420	59.580	60.210	58.340	101.878%
3	13:55:42	60.320	101.297%	61.540	57.680	0.282	57.870	57.010	58.650	57.000	102.019%
x		60.990	99.651%	59.580	58.940	0.465	58.500	58.310	59.330	57.790	101.548%
σ		0.745	1.442%	1.773	1.176	0.170	0.673	1.285	0.802	0.704	0.697%
%RSD		1.221	1.447	2.976	1.995	36.570	1.150	2.204	1.352	1.219	0.687
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:53:32	59.740	62.740	63.590	58.250	102.953%	101.469%	60.980	60.930	58.930	58.160
2	13:54:37	62.570	64.830	64.640	60.100	102.186%	102.643%	61.830	62.290	60.650	59.140
3	13:55:42	59.770	62.780	62.800	57.790	103.152%	102.839%	60.120	60.670	58.530	58.310
x		60.690	63.450	63.680	58.710	102.763%	102.317%	60.980	61.300	59.370	58.540
σ		1.627	1.194	0.923	1.223	0.510%	0.741%	0.851	0.867	1.129	0.529
%RSD		2.681	1.882	1.449	2.083	0.497	0.724	1.395	1.415	1.902	0.904
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	13:53:32	57.960	103.269%	0.000	0.000						
2	13:54:37	59.420	102.763%	0.000	0.000						
3	13:55:42	57.770	103.541%	0.000	0.000						
x		58.390	103.191%	0.000	0.000						
σ		0.905	0.394%	0.000	0.000						
%RSD		1.551	0.382	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:57:14	99.978%	0.095	2.267	2.268	0.000	-8.408	-0.644	-0.158	-0.923	±0.000
2	13:58:19	98.631%	0.003	1.747	1.110	0.000	-9.202	-1.227	-0.827	-1.130	±0.000
3	13:59:24	100.511%	-0.001	0.942	0.741	0.000	-9.208	-1.323	-0.796	-1.157	±0.000
x		99.706%	0.032	1.652	1.373	0.000	-8.939	-1.065	-0.594	-1.070	±0.000
σ		0.969%	0.055	0.667	0.797	0.000	0.460	0.367	0.378	0.128	±0.000
%RSD		0.972	169.800	40.400	58.050	0.000	5.146	34.500	63.680	11.990	±0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:57:14	-1.212	-30.360	-20.250	103.500%	-0.009	0.124	0.010	0.128	110.900	0.064
2	13:58:19	0.428	-31.520	-21.740	99.764%	-0.145	-0.208	0.004	-1.207	120.700	0.002
3	13:59:24	-1.028	-31.250	-21.820	101.472%	-0.154	-0.070	-0.015	-0.245	114.300	-0.001
x		-0.604	-31.040	-21.270	101.578%	-0.103	-0.051	-0.000	-0.441	115.300	0.022
σ		0.898	0.606	0.886	1.870%	0.081	0.167	0.013	0.689	4.961	0.037
%RSD		148.800	1.951	4.165	1.841	78.950	323.800	3124.000	156.200	4.304	168.100
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:57:14	-3.689	-2.902	0.056	0.132	0.227	-0.219	0.012	-0.661	-1.373	-1.554
2	13:58:19	-2.860	-3.107	-0.011	0.041	0.146	-0.267	-0.063	-0.770	-1.262	-1.372
3	13:59:24	-5.065	-3.232	-0.014	0.007	0.050	-0.297	-0.080	-0.721	-1.231	-1.533
x		-3.871	-3.080	0.010	0.060	0.141	-0.261	-0.044	-0.717	-1.289	-1.486
σ		1.114	0.167	0.039	0.064	0.089	0.040	0.049	0.054	0.075	0.099
%RSD		28.770	5.406	378.400	107.700	63.070	15.160	111.400	7.556	5.813	6.691
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:57:14	-0.052	-0.435	-0.209	0.000	0.000	0.186	0.046	102.411%	1.125	1.143
2	13:58:19	-0.028	-0.232	-0.009	0.000	0.000	0.056	-0.008	97.753%	0.791	0.856
3	13:59:24	-0.004	-0.563	-0.193	0.000	0.000	0.096	-0.013	98.445%	0.846	0.925
x		-0.028	-0.410	-0.137	0.000	0.000	0.113	0.008	99.536%	0.921	0.975
σ		0.024	0.167	0.111	0.000	0.000	0.067	0.032	2.514%	0.179	0.150
%RSD		84.710	40.720	81.370	0.000	0.000	59.000	393.100	2.525	19.420	15.360
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:57:14	1.087	102.778%	0.033	0.045	0.245	0.092	0.157	0.055	0.271	101.995%
2	13:58:19	0.768	99.258%	-0.636	0.024	0.291	0.094	0.123	-0.030	0.206	97.785%
3	13:59:24	0.803	99.409%	-0.793	0.017	0.296	0.036	0.127	-0.048	0.191	100.481%
x		0.886	100.482%	-0.465	0.029	0.277	0.074	0.136	-0.007	0.222	100.087%
σ		0.175	1.990%	0.439	0.014	0.028	0.033	0.018	0.055	0.043	2.133%
%RSD		19.740	1.980	94.360	49.830	10.050	44.110	13.580	737.200	19.180	2.131
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:57:14	0.274	0.320	0.378	0.024	101.022%	102.235%	0.322	0.202	0.134	0.094
2	13:58:19	0.362	0.349	0.417	-0.011	99.526%	99.107%	0.221	0.093	0.088	0.041
3	13:59:24	0.458	0.369	0.456	-0.033	99.737%	98.353%	0.196	0.074	0.088	0.054
x		0.365	0.346	0.417	-0.007	100.095%	99.899%	0.246	0.123	0.103	0.063
σ		0.092	0.025	0.039	0.029	0.809%	2.058%	0.067	0.069	0.027	0.027
%RSD		25.260	7.099	9.351	433.400	0.809	2.060	27.110	56.220	25.950	43.420
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	13:57:14	0.045	103.690%	0.000	0.000						
2	13:58:19	-0.000	100.333%	0.000	0.000						
3	13:59:24	0.000	100.480%	0.000	0.000						
x		0.015	101.501%	0.000	0.000						
σ		0.026	1.897%	0.000	0.000						
%RSD		173.200	1.869	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:00:56	104.214%	0.016	0.623	0.642	0.000	-8.686	-1.224	-0.849	-1.133	±0.000
2	14:02:01	96.479%	-0.001	1.145	0.374	0.000	-8.249	-1.274	-0.849	-1.024	±0.000
3	14:03:07	108.913%	-0.009	0.887	0.277	0.000	-8.771	-1.277	-0.835	-1.062	±0.000
x		103.202%	0.002	0.885	0.431	0.000	-8.569	-1.258	-0.845	-1.073	±0.000
σ		6.279%	0.013	0.261	0.189	0.000	0.280	0.030	0.008	0.055	±0.000
%RSD		6.084	644.300	29.510	43.890	0.000	3.271	2.367	0.970	5.138	±0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:00:56	-0.420	-29.890	-21.680	99.993%	-0.160	-0.087	0.011	-0.922	124.100	0.001
2	14:02:01	0.798	-31.380	-21.260	95.626%	-0.188	-0.136	0.009	-1.004	124.200	-0.001
3	14:03:07	-1.808	-30.930	-21.820	109.921%	-0.113	-0.237	-0.032	-1.486	123.600	0.002
x		-0.477	-30.730	-21.580	101.847%	-0.154	-0.153	-0.004	-1.137	124.000	0.001
σ		1.304	0.760	0.292	7.325%	0.038	0.077	0.025	0.305	0.320	0.002
%RSD		273.500	2.474	1.351	7.193	24.610	50.090	609.000	26.820	0.258	188.300
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:00:56	-2.817	-3.293	-0.017	0.080	0.113	-0.271	-0.099	-0.797	-1.351	-1.524
2	14:02:01	-2.445	-2.963	-0.013	0.037	0.157	-0.282	-0.086	-0.798	-1.427	-1.415
3	14:03:07	-3.982	-3.461	-0.016	0.061	0.038	-0.280	-0.074	-0.814	-1.543	-1.572
x		-3.081	-3.239	-0.016	0.059	0.103	-0.278	-0.086	-0.803	-1.440	-1.504
σ		0.802	0.254	0.002	0.022	0.061	0.006	0.013	0.010	0.097	0.080
%RSD		26.030	7.825	12.120	36.170	59.010	2.100	14.640	1.213	6.712	5.333
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:00:56	-0.079	-0.567	-0.196	0.000	0.000	-0.046	-0.014	104.544%	-0.258	-0.195
2	14:02:01	0.023	0.059	0.103	0.000	0.000	-0.030	-0.014	93.805%	0.007	-0.032
3	14:03:07	0.058	-1.037	-0.392	0.000	0.000	0.001	-0.017	105.987%	0.057	0.157
x		0.001	-0.515	-0.161	0.000	0.000	-0.025	-0.015	101.446%	-0.065	-0.023
σ		0.071	0.549	0.249	0.000	0.000	0.024	0.002	6.656%	0.170	0.176
%RSD		11930.000	106.700	154.400	0.000	0.000	95.270	12.610	6.561	262.300	752.500
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:00:56	-0.243	102.493%	-0.377	0.008	0.270	0.064	0.112	-0.025	0.208	103.261%
2	14:02:01	-0.042	93.587%	-0.489	0.004	0.278	0.067	0.112	-0.035	0.204	93.068%
3	14:03:07	0.059	108.123%	-0.067	0.005	0.248	0.036	0.113	-0.005	0.215	106.264%
x		-0.075	101.401%	-0.311	0.006	0.266	0.056	0.112	-0.022	0.209	100.864%
σ		0.154	7.329%	0.219	0.002	0.016	0.017	0.001	0.015	0.006	6.917%
%RSD		204.600	7.228	70.240	35.370	5.838	30.200	0.624	68.700	2.804	6.857
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:00:56	0.039	0.162	0.172	-0.018	102.473%	102.223%	0.131	0.015	0.073	0.039
2	14:02:01	0.167	0.180	0.242	-0.023	95.524%	93.636%	0.136	0.014	0.073	0.044
3	14:03:07	0.202	0.220	0.241	-0.027	105.753%	105.353%	0.130	0.012	0.078	0.038
x		0.136	0.188	0.218	-0.023	101.250%	100.404%	0.132	0.014	0.074	0.040
σ		0.086	0.029	0.040	0.005	5.223%	6.067%	0.003	0.002	0.003	0.003
%RSD		63.230	15.720	18.520	21.030	5.158	6.042	2.401	11.970	3.833	7.943
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	14:00:56	-0.010	103.510%	0.000	0.000						
2	14:02:01	-0.008	97.186%	0.000	0.000						
3	14:03:07	-0.009	107.029%	0.000	0.000						
x		-0.009	102.575%	0.000	0.000						
σ		0.001	4.988%	0.000	0.000						
%RSD		10.190	4.863	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:04:39	110.468%	0.471	4.968	5.416	0.000	237.200	236.200	230.400	45.640	±0.000
2	14:05:44	106.639%	0.412	5.223	5.456	0.000	248.900	246.400	240.100	46.270	±0.000
3	14:06:50	106.248%	0.428	5.287	5.301	0.000	243.500	243.300	240.800	46.970	±0.000
x		107.785%	0.437	5.159	5.391	0.000	243.200	241.900	237.100	46.290	±0.000
σ		2.332%	0.031	0.169	0.080	0.000	5.857	5.252	5.794	0.668	±0.000
%RSD		2.163	7.025	3.272	1.490	0.000	2.409	2.171	2.444	1.443	±0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:04:39	223.800	212.100	218.700	111.132%	0.822	3.963	3.752	3.261	119.300	0.505
2	14:05:44	227.000	229.300	231.500	108.565%	0.980	4.130	3.958	4.095	121.800	0.499
3	14:06:50	233.300	227.800	236.400	105.014%	0.904	4.172	3.942	3.534	124.100	0.519
x		228.100	223.100	228.800	108.237%	0.902	4.088	3.884	3.630	121.700	0.507
σ		4.857	9.531	9.140	3.072%	0.079	0.110	0.115	0.425	2.377	0.010
%RSD		2.130	4.272	3.994	2.838	8.779	2.695	2.948	11.710	1.953	1.998
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:04:39	40.240	43.020	0.469	4.179	3.863	3.633	3.747	2.672	2.642	1.940
2	14:05:44	43.420	47.030	0.483	4.253	4.084	3.803	4.008	2.907	2.234	2.058
3	14:06:50	44.310	46.150	0.469	4.242	4.680	3.767	4.030	3.020	2.207	2.058
x		42.660	45.400	0.474	4.225	4.209	3.734	3.928	2.866	2.361	2.019
σ		2.140	2.107	0.008	0.040	0.423	0.089	0.158	0.178	0.244	0.068
%RSD		5.017	4.642	1.625	0.941	10.050	2.395	4.010	6.206	10.330	3.373
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:04:39	0.830	0.365	0.555	0.000	0.000	0.858	0.953	107.151%	0.595	0.588
2	14:05:44	0.946	0.440	0.710	0.000	0.000	0.997	0.963	104.583%	0.779	0.729
3	14:06:50	0.875	0.609	0.827	0.000	0.000	0.951	0.948	105.303%	1.003	0.977
x		0.884	0.471	0.697	0.000	0.000	0.935	0.955	105.679%	0.792	0.765
σ		0.059	0.125	0.136	0.000	0.000	0.071	0.008	1.325%	0.204	0.197
%RSD		6.631	26.550	19.520	0.000	0.000	7.576	0.801	1.253	25.770	25.710
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:04:39	0.555	109.991%	0.140	2.087	0.276	0.609	2.205	0.519	0.668	107.787%
2	14:05:44	0.765	106.465%	0.219	2.120	0.264	0.521	2.300	0.497	0.702	104.093%
3	14:06:50	1.001	103.807%	0.277	2.168	0.264	0.585	2.334	0.458	0.686	103.410%
x		0.774	106.754%	0.212	2.125	0.268	0.572	2.280	0.491	0.685	105.097%
σ		0.223	3.102%	0.069	0.041	0.007	0.045	0.067	0.031	0.017	2.355%
%RSD		28.840	2.906	32.590	1.927	2.504	7.954	2.947	6.356	2.506	2.241
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:04:39	0.903	0.644	0.709	0.936	106.251%	107.790%	0.572	0.471	0.561	0.530
2	14:05:44	1.001	0.656	0.738	1.001	106.435%	105.149%	0.624	0.488	0.559	0.527
3	14:06:50	1.037	0.724	0.734	0.980	106.409%	102.666%	0.659	0.499	0.581	0.533
x		0.980	0.674	0.727	0.973	106.365%	105.202%	0.618	0.486	0.567	0.530
σ		0.070	0.044	0.015	0.033	0.099%	2.562%	0.044	0.014	0.012	0.003
%RSD		7.113	6.449	2.117	3.432	0.093	2.436	7.049	2.856	2.160	0.534
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	14:04:39	0.467	108.117%	0.000	0.000						
2	14:05:44	0.470	106.539%	0.000	0.000						
3	14:06:50	0.486	103.618%	0.000	0.000						
x		0.474	106.091%	0.000	0.000						
σ		0.010	2.283%	0.000	0.000						
%RSD		2.092	2.152	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:08:20	109.387%	0.219	3.092	2.654	0.000	119.800	118.100	114.900	22.130	±0.000
2	14:09:26	106.867%	0.273	2.789	2.366	0.000	129.800	118.900	121.600	23.320	±0.000
3	14:10:31	101.304%	0.277	3.099	2.895	0.000	129.200	121.500	123.100	23.030	±0.000
x		105.853%	0.256	2.993	2.638	0.000	126.200	119.500	119.900	22.830	±0.000
σ		4.136%	0.033	0.177	0.265	0.000	5.616	1.775	4.324	0.624	±0.000
%RSD		3.908	12.710	5.904	10.040	0.000	4.449	1.486	3.608	2.735	±0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:08:20	112.600	102.400	102.800	106.683%	0.346	1.693	1.773	1.142	125.200	0.253
2	14:09:26	116.800	96.020	111.500	103.535%	0.372	2.365	1.970	3.349	118.400	0.267
3	14:10:31	115.300	102.400	109.700	103.298%	0.248	2.122	1.957	1.696	122.800	0.250
x		114.900	100.300	108.000	104.505%	0.322	2.060	1.900	2.062	122.200	0.257
σ		2.136	3.667	4.593	1.890%	0.065	0.341	0.110	1.148	3.428	0.009
%RSD		1.859	3.658	4.253	1.809	20.270	16.530	5.812	55.700	2.806	3.521
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:08:20	19.070	20.770	0.219	2.031	2.047	1.592	1.883	1.088	0.756	0.620
2	14:09:26	21.420	20.710	0.248	2.398	2.047	1.712	2.003	1.248	0.816	0.445
3	14:10:31	20.380	19.820	0.230	2.289	2.382	1.695	1.973	1.259	0.619	0.524
x		20.290	20.430	0.232	2.240	2.158	1.666	1.953	1.198	0.731	0.529
σ		1.175	0.531	0.015	0.189	0.194	0.065	0.062	0.095	0.101	0.087
%RSD		5.792	2.598	6.427	8.418	8.970	3.876	3.192	7.952	13.840	16.520
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:08:20	0.512	-0.218	0.225	0.000	0.000	0.488	0.454	105.365%	0.142	0.133
2	14:09:26	0.385	0.626	0.224	0.000	0.000	0.489	0.461	102.343%	0.264	0.256
3	14:10:31	0.391	0.547	0.271	0.000	0.000	0.449	0.459	102.981%	0.377	0.410
x		0.429	0.318	0.240	0.000	0.000	0.475	0.458	103.563%	0.261	0.266
σ		0.072	0.466	0.027	0.000	0.000	0.023	0.004	1.593%	0.117	0.139
%RSD		16.680	146.400	11.200	0.000	0.000	4.851	0.795	1.538	44.940	52.130
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:08:20	0.096	106.855%	-0.013	1.044	0.269	0.384	1.151	0.192	0.436	105.482%
2	14:09:26	0.201	104.244%	0.094	1.078	0.249	0.201	1.195	0.247	0.445	103.140%
3	14:10:31	0.423	102.529%	0.383	1.045	0.231	0.230	1.192	0.279	0.459	102.574%
x		0.240	104.543%	0.155	1.056	0.250	0.272	1.179	0.240	0.447	103.732%
σ		0.167	2.179%	0.205	0.019	0.019	0.098	0.025	0.044	0.012	1.542%
%RSD		69.660	2.084	132.600	1.812	7.640	36.220	2.106	18.310	2.595	1.486
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:08:20	0.493	0.333	0.369	0.543	105.388%	104.627%	0.368	0.239	0.312	0.268
2	14:09:26	0.528	0.366	0.401	0.540	103.512%	103.545%	0.376	0.244	0.314	0.254
3	14:10:31	0.556	0.386	0.433	0.512	102.054%	103.415%	0.353	0.242	0.332	0.268
x		0.526	0.362	0.401	0.532	103.652%	103.862%	0.366	0.242	0.319	0.263
σ		0.032	0.027	0.032	0.017	1.672%	0.665%	0.011	0.003	0.011	0.008
%RSD		6.073	7.342	7.959	3.200	1.613	0.640	3.129	1.097	3.371	3.028
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	14:08:20	0.227	106.153%	0.000	0.000						
2	14:09:26	0.231	104.900%	0.000	0.000						
3	14:10:31	0.233	104.703%	0.000	0.000						
x		0.230	105.252%	0.000	0.000						
σ		0.003	0.786%	0.000	0.000						
%RSD		1.280	0.747	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:12:03	100.837%	48.030	48.820	47.440	0.000	506.400	503.100	505.500	522.500	0.000
2	14:13:09	98.536%	49.100	51.590	51.020	0.000	525.200	516.300	533.800	548.400	0.000
3	14:14:14	96.844%	50.810	49.350	52.110	0.000	514.900	516.600	535.600	528.100	0.000
x		98.739%	49.310	49.920	50.190	0.000	515.500	512.000	525.000	533.000	0.000
σ		2.004%	1.401	1.469	2.444	0.000	9.421	7.690	16.860	13.620	0.000
%RSD		2.030	2.842	2.943	4.869	0.000	1.828	1.502	3.212	2.554	0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:12:03	490.000	505.500	502.800	104.542%	48.890	47.640	47.500	47.750	127.200	47.180
2	14:13:09	523.500	553.300	531.300	100.390%	51.030	50.680	50.710	51.490	119.100	49.380
3	14:14:14	499.900	516.800	521.200	103.153%	49.820	50.070	50.110	49.760	123.400	48.270
x		504.500	525.200	518.400	102.695%	49.910	49.460	49.440	49.670	123.200	48.280
σ		17.160	24.950	14.440	2.114%	1.070	1.605	1.706	1.870	4.019	1.101
%RSD		3.402	4.750	2.786	2.058	2.144	3.244	3.451	3.765	3.262	2.281
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:12:03	505.700	507.800	48.260	48.390	47.510	47.130	47.840	46.940	44.560	46.280
2	14:13:09	543.600	530.900	51.970	52.160	49.610	50.610	51.500	48.890	48.680	50.280
3	14:14:14	529.700	533.100	50.140	50.690	48.620	48.900	50.440	48.510	47.560	50.230
x		526.300	523.900	50.120	50.410	48.580	48.880	49.930	48.110	46.930	48.930
σ		19.190	13.980	1.855	1.899	1.050	1.738	1.882	1.035	2.132	2.292
%RSD		3.646	2.669	3.702	3.766	2.162	3.556	3.770	2.151	4.543	4.684
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:12:03	46.860	47.690	47.900	0.000	0.000	47.760	48.020	103.490%	46.460	47.250
2	14:13:09	50.240	50.570	51.100	0.000	0.000	51.430	50.970	99.610%	50.240	50.160
3	14:14:14	48.840	49.990	49.410	0.000	0.000	49.400	50.350	99.691%	50.970	50.470
x		48.650	49.420	49.470	0.000	0.000	49.530	49.780	100.931%	49.220	49.290
σ		1.698	1.523	1.600	0.000	0.000	1.841	1.557	2.217%	2.421	1.774
%RSD		3.491	3.081	3.234	0.000	0.000	3.717	3.129	2.197	4.919	3.599
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:12:03	46.370	104.268%	45.630	47.130	0.619	47.800	47.210	47.020	47.460	104.294%
2	14:13:09	50.910	99.738%	51.480	49.970	0.508	51.790	49.910	51.000	50.520	98.726%
3	14:14:14	50.490	99.238%	51.230	49.390	0.504	51.340	49.080	50.030	49.820	100.186%
x		49.260	101.081%	49.450	48.830	0.544	50.310	48.730	49.350	49.270	101.069%
σ		2.512	2.771%	3.307	1.502	0.065	2.186	1.382	2.077	1.603	2.887%
%RSD		5.101	2.742	6.688	3.077	12.030	4.345	2.836	4.210	3.254	2.857
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:12:03	47.510	46.680	46.770	47.950	102.603%	104.890%	48.160	47.840	46.440	47.300
2	14:13:09	50.590	51.130	51.480	50.630	100.414%	101.339%	49.810	50.170	50.180	50.090
3	14:14:14	47.900	49.730	49.610	49.830	103.225%	101.954%	49.720	48.610	48.880	49.430
x		48.670	49.180	49.290	49.470	102.080%	102.728%	49.230	48.870	48.500	48.940
σ		1.679	2.272	2.372	1.378	1.477%	1.898%	0.923	1.190	1.901	1.459
%RSD		3.450	4.619	4.813	2.785	1.447	1.847	1.876	2.435	3.920	2.980
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	14:12:03	46.860	105.397%	0.000	0.000						
2	14:13:09	49.750	101.981%	0.000	0.000						
3	14:14:14	48.490	104.416%	0.000	0.000						
x		48.370	103.932%	0.000	0.000						
σ		1.451	1.759%	0.000	0.000						
%RSD		2.999	1.692	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:15:45	104.721%	0.037	2.161	1.532	0.000	-7.526	-0.701	-0.403	-0.463	±0.000
2	14:16:51	96.767%	0.011	1.085	0.845	0.000	-9.240	-1.275	-0.814	-1.131	±0.000
3	14:17:56	99.152%	0.010	0.836	0.481	0.000	-9.328	-1.394	-0.837	-1.174	±0.000
x		100.214%	0.019	1.361	0.953	0.000	-8.698	-1.123	-0.685	-0.923	±0.000
σ		4.082%	0.015	0.704	0.534	0.000	1.016	0.371	0.245	0.399	±0.000
%RSD		4.073	79.950	51.740	56.030	0.000	11.680	33.000	35.720	43.200	±0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:15:45	-0.988	-27.470	-20.950	102.836%	-0.141	0.016	-0.014	0.372	116.600	0.028
2	14:16:51	0.342	-30.400	-21.110	96.757%	-0.126	0.118	-0.004	0.644	119.100	0.004
3	14:17:56	-0.223	-32.190	-21.440	100.113%	-0.122	-0.060	0.030	-0.438	117.600	0.001
x		-0.290	-30.020	-21.170	99.902%	-0.130	0.024	0.004	0.193	117.800	0.011
σ		0.667	2.380	0.249	3.045%	0.010	0.089	0.023	0.563	1.296	0.015
%RSD		230.600	7.928	1.176	3.048	7.480	365.300	561.300	291.700	1.101	135.200
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:15:45	-3.186	-2.709	0.023	0.085	0.161	-0.245	-0.019	-0.812	-1.352	-1.653
2	14:16:51	-0.768	-2.435	-0.013	0.020	0.162	-0.272	-0.075	-0.771	-1.344	-1.509
3	14:17:56	-2.214	-2.721	-0.015	0.049	0.198	-0.298	-0.066	-0.778	-1.561	-1.502
x		-2.056	-2.622	-0.001	0.051	0.174	-0.272	-0.053	-0.787	-1.419	-1.555
σ		1.217	0.162	0.021	0.032	0.021	0.026	0.030	0.022	0.123	0.085
%RSD		59.170	6.174	1529.000	62.830	12.050	9.682	56.340	2.755	8.665	5.476
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:15:45	0.055	-0.879	-0.214	0.000	0.000	0.128	0.016	105.120%	0.832	0.901
2	14:16:51	0.011	-0.422	0.049	0.000	0.000	0.045	-0.015	100.178%	0.699	0.662
3	14:17:56	-0.051	-0.073	-0.129	0.000	0.000	0.098	-0.017	99.555%	0.726	0.712
x		0.005	-0.458	-0.098	0.000	0.000	0.090	-0.005	101.618%	0.752	0.758
σ		0.053	0.404	0.134	0.000	0.000	0.042	0.018	3.049%	0.070	0.126
%RSD		1079.000	88.190	137.100	0.000	0.000	46.970	350.000	3.000	9.356	16.580
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:15:45	0.954	102.135%	-0.672	0.028	0.292	0.092	0.139	-0.032	0.221	103.142%
2	14:16:51	0.648	99.547%	-0.022	0.014	0.247	0.065	0.123	-0.005	0.220	98.846%
3	14:17:56	0.686	99.452%	-0.813	0.016	0.299	0.065	0.126	-0.044	0.185	99.811%
x		0.763	100.378%	-0.502	0.019	0.279	0.074	0.129	-0.027	0.208	100.600%
σ		0.167	1.522%	0.422	0.008	0.028	0.015	0.009	0.020	0.021	2.254%
%RSD		21.910	1.517	84.030	41.070	10.160	20.970	6.746	74.460	9.894	2.241
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:15:45	0.401	1.412	1.443	0.009	101.269%	102.109%	0.184	0.070	0.106	0.072
2	14:16:51	0.609	1.294	1.335	-0.035	97.701%	97.618%	0.162	0.036	0.082	0.034
3	14:17:56	0.685	1.277	1.349	-0.028	100.021%	100.666%	0.155	0.032	0.076	0.037
x		0.565	1.328	1.376	-0.018	99.664%	100.131%	0.167	0.046	0.088	0.048
σ		0.147	0.074	0.059	0.024	1.811%	2.293%	0.015	0.021	0.016	0.021
%RSD		26.020	5.538	4.276	133.700	1.817	2.290	8.968	45.500	18.160	44.750
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	14:15:45	0.022	103.735%	0.000	0.000						
2	14:16:51	-0.006	101.356%	0.000	0.000						
3	14:17:56	-0.009	103.679%	0.000	0.000						
x		0.003	102.923%	0.000	0.000						
σ		0.017	1.357%	0.000	0.000						
%RSD		650.100	1.319	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:19:29	103.393%	-0.002	0.782	0.234	0.000	-6.965	-0.763	0.022	0.565	±0.000
2	14:20:35	106.267%	0.005	0.747	0.182	0.000	-8.596	-0.982	-0.394	0.250	±0.000
3	14:21:40	104.010%	-0.009	0.561	0.184	0.000	-8.137	-0.995	-0.295	0.280	±0.000
x		104.556%	-0.002	0.697	0.200	0.000	-7.899	-0.914	-0.222	0.365	±0.000
σ		1.513%	0.007	0.119	0.029	0.000	0.841	0.130	0.217	0.174	±0.000
%RSD		1.447	353.100	17.020	14.590	0.000	10.650	14.270	97.610	47.640	±0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:19:29	0.726	-23.560	-14.470	99.051%	-0.175	0.110	-0.002	0.080	90.140	0.037
2	14:20:35	-0.986	-22.840	-15.880	107.043%	-0.180	0.086	0.004	-0.093	84.540	0.031
3	14:21:40	1.921	-27.720	-14.810	101.853%	-0.192	0.025	0.000	-0.385	87.520	0.034
x		0.554	-24.710	-15.050	102.649%	-0.182	0.074	0.001	-0.133	87.400	0.034
σ		1.461	2.637	0.734	4.055%	0.009	0.044	0.003	0.235	2.802	0.003
%RSD		263.900	10.670	4.879	3.950	4.743	59.630	585.800	177.400	3.206	8.337
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:19:29	-0.866	-2.306	-0.004	0.135	0.455	0.232	0.359	0.179	-0.574	-0.579
2	14:20:35	-2.086	-2.263	-0.016	0.152	0.190	0.239	0.422	0.007	-1.034	-0.788
3	14:21:40	-1.159	-2.815	-0.018	0.188	0.310	0.227	0.361	0.064	-0.446	-0.556
x		-1.371	-2.461	-0.012	0.158	0.318	0.233	0.381	0.083	-0.684	-0.641
σ		0.637	0.307	0.008	0.027	0.132	0.006	0.036	0.088	0.309	0.127
%RSD		46.470	12.480	60.600	17.060	41.600	2.624	9.431	105.100	45.170	19.860
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:19:29	-0.100	-3.026	-0.124	0.000	0.000	-0.004	0.003	100.121%	-0.304	-0.232
2	14:20:35	-0.096	-3.766	-0.198	0.000	0.000	0.031	-0.006	106.246%	-0.189	-0.084
3	14:21:40	0.011	-3.845	-0.118	0.000	0.000	-0.015	-0.005	102.038%	0.014	0.045
x		-0.062	-3.546	-0.147	0.000	0.000	0.004	-0.003	102.802%	-0.160	-0.090
σ		0.063	0.452	0.044	0.000	0.000	0.024	0.005	3.133%	0.161	0.139
%RSD		101.900	12.750	30.180	0.000	0.000	587.600	165.700	3.048	100.600	153.200
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:19:29	-0.299	99.755%	-0.171	0.003	0.257	0.065	0.109	-0.015	0.209	98.102%
2	14:20:35	-0.182	103.631%	0.454	-0.000	0.214	0.063	0.109	0.025	0.245	106.347%
3	14:21:40	0.039	101.218%	-0.073	0.003	0.250	0.064	0.111	-0.007	0.217	101.476%
x		-0.147	101.534%	0.070	0.002	0.240	0.064	0.109	0.001	0.224	101.975%
σ		0.172	1.958%	0.336	0.002	0.023	0.001	0.001	0.021	0.019	4.146%
%RSD		116.400	1.928	479.700	105.000	9.723	1.217	1.002	2582.000	8.570	4.065
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:19:29	0.012	0.235	0.281	0.047	98.882%	99.132%	0.130	0.006	0.097	0.051
2	14:20:35	0.054	0.200	0.243	0.049	104.996%	103.343%	0.126	0.003	0.094	0.050
3	14:21:40	0.076	0.197	0.287	0.053	99.307%	102.407%	0.125	0.001	0.091	0.048
x		0.047	0.211	0.270	0.050	101.062%	101.627%	0.127	0.003	0.094	0.050
σ		0.033	0.021	0.024	0.003	3.414%	2.211%	0.003	0.002	0.003	0.002
%RSD		69.260	10.070	8.844	5.633	3.378	2.176	2.340	69.850	3.052	3.366
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	14:19:29	0.007	99.518%	0.000	0.000						
2	14:20:35	0.006	106.127%	0.000	0.000						
3	14:21:40	0.001	103.172%	0.000	0.000						
x		0.005	102.939%	0.000	0.000						
σ		0.003	3.311%	0.000	0.000						
%RSD		64.300	3.216	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:23:11	107.969%	95.190	0.325	0.118	0.000	†503.300	502.900	521.500	†521.600	†0.000
2	14:24:17	104.824%	96.040	0.515	0.145	0.000	†523.400	532.700	528.600	†531.000	†0.000
3	14:25:22	99.610%	M100.900	0.524	0.003	0.000	†526.600	528.800	546.000	†530.700	†0.000
X		104.134%	M97.390	0.455	0.089	0.000	†517.800	521.500	532.000	†527.700	†0.000
σ		4.222%	M3.100	0.112	0.075	0.000	†12.600	16.190	12.610	†5.342	†0.000
%RSD		4.054	M3.183	24.660	85.070	0.000	†2.434	3.105	2.371	†1.012	†0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:23:11	494.700	502.900	495.800	107.137%	-0.017	98.950	97.210	M100.500	141.900	97.890
2	14:24:17	517.300	526.400	511.100	102.821%	-0.000	M100.800	M100.500	99.840	164.700	99.840
3	14:25:22	524.100	537.000	540.700	99.644%	0.007	M100.300	99.880	98.040	162.200	M100.000
X		512.000	522.100	515.800	103.201%	-0.003	M100.000	M99.190	M99.450	156.300	M99.250
σ		15.410	17.450	22.830	3.761%	0.013	M0.949	M1.749	M1.263	12.500	M1.175
%RSD		3.009	3.341	4.426	3.644	363.600	M0.948	M1.763	M1.270	8.001	M1.184
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:23:11	†525.600	518.300	M101.500	98.970	97.270	98.410	99.590	97.290	94.500	98.640
2	14:24:17	†548.900	542.000	M103.700	M101.800	M102.900	M101.300	M101.800	M102.400	99.860	M102.400
3	14:25:22	†542.500	528.500	M102.600	98.390	95.870	M102.100	M101.000	98.840	96.980	99.870
X		†539.000	529.600	M102.600	M99.720	M98.670	M100.600	M100.800	M99.510	97.120	M100.300
σ		†12.050	11.900	M1.140	M1.822	M3.697	M1.943	M1.127	M2.622	2.684	M1.938
%RSD		†2.236	2.248	M1.111	M1.827	M3.746	M1.931	M1.118	M2.635	2.764	M1.932
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:23:11	97.120	M195.400	M193.900	0.000	0.000	M193.800	0.043	105.742%	-0.183	-0.134
2	14:24:17	M101.900	M201.500	M200.600	0.000	0.000	M202.500	0.033	101.570%	-0.040	-0.016
3	14:25:22	97.880	M196.400	M194.800	0.000	0.000	M193.900	0.028	103.529%	0.033	0.036
X		M98.980	M197.800	M196.400	0.000	0.000	M196.700	0.035	103.613%	-0.063	-0.038
σ		M2.596	M3.250	M3.644	0.000	0.000	M5.010	0.007	2.087%	0.110	0.087
%RSD		M2.622	M1.644	M1.856	0.000	0.000	M2.546	20.870	2.015	173.500	228.700
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:23:11	-0.143	104.072%	M102.000	M102.100	0.495	98.750	98.900	97.880	96.460	103.062%
2	14:24:17	-0.123	101.513%	M104.000	M101.400	0.512	M100.800	M101.100	99.470	M100.500	101.327%
3	14:25:22	0.071	98.395%	M100.800	M100.400	0.441	96.320	99.230	M100.000	98.040	101.394%
X		-0.065	101.327%	M102.300	M101.300	0.483	M98.610	M99.750	M99.130	M98.320	101.927%
σ		0.118	2.843%	M1.624	M0.819	0.037	M2.227	M1.200	M1.114	M2.017	0.983%
%RSD		182.600	2.806	M1.588	M0.809	7.636	M2.258	M1.203	M1.124	M2.051	0.964
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:23:11	0.069	M104.000	M104.500	99.290	104.630%	104.950%	99.080	M100.900	99.160	98.820
2	14:24:17	0.123	M105.800	M105.700	M101.200	104.210%	104.977%	M100.500	M102.700	M100.400	M101.700
3	14:25:22	0.149	M104.200	M104.300	M100.300	102.556%	102.994%	M101.300	M100.500	98.690	96.750
X		0.114	M104.700	M104.800	M100.300	103.799%	104.307%	M100.300	M101.300	M99.410	M99.070
σ		0.041	M1.001	M0.777	M0.940	1.096%	1.137%	M1.109	M1.203	M0.884	M2.461
%RSD		35.800	M0.957	M0.741	M0.938	1.056	1.090	M1.106	M1.187	M0.890	M2.484
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	14:23:11	98.600	106.560%	0.000	0.000						
2	14:24:17	M100.900	104.789%	0.000	0.000						
3	14:25:22	98.120	104.748%	0.000	0.000						
X		M99.190	105.366%	0.000	0.000						
σ		M1.463	1.034%	0.000	0.000						
%RSD		M1.475	0.982	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:26:51	95.624%	87.180	M 183.700	M 194.500	0.000	TM 21450.000	TM 7629.000	TM 7642.000	TM 1560.000	± 0.000
2	14:27:57	93.467%	83.940	M 194.400	M 202.800	0.000	TM 21560.000	TM 7649.000	TM 7627.000	TM 1551.000	± 0.000
3	14:29:02	93.926%	86.570	M 190.100	M 194.600	0.000	TM 22050.000	TM 7704.000	TM 7774.000	TM 1582.000	± 0.000
X		94.339%	85.900	M 189.400	M 197.300	0.000	TM 21690.000	TM 7661.000	TM 7681.000	TM 1565.000	± 0.000
σ		1.136%	1.722	M 5.407	M 4.769	0.000	TM 319.900	TM 39.070	TM 81.020	TM 15.840	± 0.000
%RSD		1.205	2.005	M 2.854	M 2.417	0.000	TM 1.475	TM 0.510	TM 1.055	TM 1.013	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:26:51	TM 3703.000	M 87200.000	TM 92510.000	104.999%	40.610	84.200	85.660	80.670	118.900	TM 2233.000
2	14:27:57	TM 3659.000	M 87500.000	TM 93800.000	103.048%	38.890	85.300	86.300	86.180	95.410	TM 2196.000
3	14:29:02	TM 3663.000	M 88070.000	TM 96890.000	102.272%	39.990	87.550	87.350	89.620	98.130	TM 2263.000
X		TM 3675.000	M 87590.000	TM 94400.000	103.440%	39.830	85.690	86.440	85.490	104.100	TM 2230.000
σ		TM 24.580	M 445.000	TM 2253.000	1.405%	0.869	1.707	0.850	4.512	12.830	TM 33.390
%RSD		TM 0.669	M 0.508	TM 2.387	1.358	2.183	1.992	0.984	5.278	12.320	TM 1.497
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:26:51	TM 3410.000	M 3482.000	83.750	82.810	80.120	M 102.900	M 106.000	81.100	83.110	81.750
2	14:27:57	TM 3387.000	M 3452.000	83.250	82.330	81.540	M 101.700	M 104.200	80.590	81.380	81.490
3	14:29:02	TM 3472.000	M 3576.000	86.610	81.760	83.650	M 108.100	M 104.900	80.400	83.740	83.700
X		TM 3423.000	M 3503.000	84.540	82.300	81.770	M 104.200	M 105.000	80.700	82.740	82.310
σ		TM 43.910	M 64.620	1.812	0.530	1.775	M 3.427	M 0.906	0.362	1.223	1.207
%RSD		TM 1.283	M 1.845	2.144	0.644	2.171	M 3.288	M 0.863	0.448	1.478	1.467
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:26:51	77.630	M 145.400	M 143.800	0.000	0.000	M 143.100	TM 451.400	117.280%	1.786	1.964
2	14:27:57	76.690	M 146.900	M 144.500	0.000	0.000	M 143.000	TM 447.900	116.996%	1.938	2.130
3	14:29:02	78.780	M 151.500	M 147.000	0.000	0.000	M 146.400	TM 458.400	115.609%	2.404	2.508
X		77.700	M 147.900	M 145.100	0.000	0.000	M 144.200	TM 452.600	116.628%	2.043	2.201
σ		1.047	M 3.186	M 1.716	0.000	0.000	M 1.919	TM 5.302	0.894%	0.322	0.279
%RSD		1.347	M 2.154	M 1.182	0.000	0.000	M 1.331	TM 1.172	0.767	15.760	12.660
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:26:51	2.008	93.432%	86.360	85.730	0.798	87.700	85.160	86.660	84.120	97.560%
2	14:27:57	2.013	93.671%	85.550	87.590	0.827	87.360	85.300	84.180	84.950	97.720%
3	14:29:02	2.489	93.652%	85.780	87.370	0.819	87.420	86.670	86.180	85.720	98.074%
X		2.170	93.585%	85.900	86.900	0.815	87.490	85.710	85.670	84.930	97.785%
σ		0.276	0.133%	0.418	1.019	0.015	0.181	0.832	1.312	0.801	0.263%
%RSD		12.730	0.142	0.487	1.173	1.824	0.207	0.971	1.531	0.943	0.269
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:26:51	0.217	90.790	90.490	M 204.400	100.143%	100.876%	92.710	94.010	97.380	97.500
2	14:27:57	0.237	90.390	89.680	M 203.300	100.534%	99.824%	92.380	91.990	95.980	95.870
3	14:29:02	0.250	91.330	90.970	M 204.600	100.863%	101.713%	92.860	94.010	98.250	97.330
X		0.235	90.840	90.380	M 204.100	100.513%	100.804%	92.650	93.330	97.200	96.900
σ		0.016	0.473	0.655	M 0.715	0.360%	0.947%	0.248	1.162	1.148	0.896
%RSD		7.006	0.521	0.725	M 0.350	0.358	0.939	0.268	1.245	1.181	0.924
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	14:26:51	97.050	96.069%	0.000	0.000						
2	14:27:57	95.990	96.911%	0.000	0.000						
3	14:29:02	97.610	97.798%	0.000	0.000						
X		96.880	96.926%	0.000	0.000						
σ		0.824	0.865%	0.000	0.000						
%RSD		0.851	0.892	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:30:33	91.890%	91.000	M 190.800	M 200.300	0.000	TM 22830.000	TM 7591.000	TM 7667.000	TM 1606.000	± 0.000
2	14:31:38	88.897%	87.450	M 201.700	M 212.100	0.000	TM 22020.000	TM 7747.000	TM 7707.000	TM 1592.000	± 0.000
3	14:32:43	84.183%	93.220	M 206.600	M 212.500	0.000	TM 22780.000	TM 7949.000	TM 8149.000	TM 1663.000	± 0.000
X		88.323%	90.560	M 199.700	M 208.300	0.000	TM 22540.000	TM 7762.000	TM 7841.000	TM 1620.000	± 0.000
σ		3.886%	2.913	M 8.098	M 6.942	0.000	TM 452.400	TM 179.400	TM 267.500	TM 37.610	± 0.000
%RSD		4.399	3.217	M 4.055	M 3.333	0.000	TM 2.007	TM 2.312	TM 3.412	TM 2.321	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:30:33	TM 3664.000	M 87720.000	TM 93620.000	105.273%	39.010	85.850	84.170	84.050	132.500	TM 2215.000
2	14:31:38	TM 3706.000	M 87350.000	TM 94540.000	102.629%	40.070	86.040	85.580	84.920	137.700	TM 2220.000
3	14:32:43	TM 3781.000	M 90350.000	TM 96760.000	98.243%	39.150	88.480	87.760	86.140	123.900	TM 2268.000
X		TM 3717.000	M 88470.000	TM 94970.000	102.048%	39.410	86.790	85.840	85.040	131.400	TM 2234.000
σ		TM 59.640	M 1634.000	TM 1616.000	3.551%	0.574	1.464	1.811	1.052	6.967	TM 29.010
%RSD		TM 1.605	M 1.847	TM 1.702	3.480	1.458	1.687	2.110	1.237	5.303	TM 1.298
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:30:33	TM 3402.000	M 3554.000	85.830	81.720	81.120	M 101.800	M 102.700	80.750	83.910	82.770
2	14:31:38	TM 3446.000	M 3559.000	86.360	82.790	79.950	M 101.300	99.820	81.200	81.950	82.580
3	14:32:43	TM 3524.000	M 3536.000	89.100	83.100	81.860	M 101.800	M 103.600	80.620	82.520	85.760
X		TM 3457.000	M 3550.000	87.100	82.540	80.980	M 101.700	M 102.100	80.860	82.790	83.700
σ		TM 62.060	M 12.410	1.754	0.723	0.963	M 0.300	M 1.987	0.301	1.007	1.780
%RSD		TM 1.795	M 0.350	2.014	0.876	1.189	M 0.295	M 1.947	0.372	1.216	2.127
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:30:33	76.260	M 143.800	M 141.600	0.000	0.000	M 138.800	TM 450.400	118.075%	1.758	1.705
2	14:31:38	78.260	M 148.600	M 144.000	0.000	0.000	M 145.900	TM 469.800	113.573%	1.725	1.957
3	14:32:43	78.460	M 148.600	M 145.900	0.000	0.000	M 144.100	TM 461.500	113.191%	1.986	2.237
X		77.660	M 147.000	M 143.800	0.000	0.000	M 143.000	TM 460.600	114.946%	1.823	1.966
σ		1.220	M 2.766	M 2.154	0.000	0.000	M 3.707	TM 9.740	2.716%	0.142	0.266
%RSD		1.570	M 1.881	M 1.498	0.000	0.000	M 2.593	TM 2.115	2.363	7.781	13.520
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:30:33	1.791	94.368%	84.690	88.510	0.879	87.280	86.600	87.390	85.620	98.535%
2	14:31:38	2.047	90.965%	88.820	89.630	0.976	92.440	89.090	90.410	87.980	94.985%
3	14:32:43	2.048	88.607%	91.360	90.980	0.742	91.290	89.630	90.310	88.910	94.309%
X		1.962	91.313%	88.290	89.710	0.866	90.340	88.440	89.370	87.510	95.943%
σ		0.149	2.897%	3.368	1.236	0.117	2.713	1.615	1.719	1.695	2.270%
%RSD		7.566	3.172	3.815	1.378	13.560	3.003	1.826	1.923	1.937	2.366
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:30:33	0.395	91.640	90.380	M 209.700	102.037%	102.827%	95.450	95.770	98.740	98.110
2	14:31:38	0.334	94.680	93.480	M 211.900	99.003%	103.453%	96.870	97.250	M 100.200	M 100.500
3	14:32:43	0.357	94.100	93.780	M 212.500	100.027%	99.925%	92.760	95.580	99.590	M 100.200
X		0.362	93.470	92.550	M 211.400	100.356%	102.068%	95.020	96.200	M 99.520	M 99.600
σ		0.031	1.611	1.885	M 1.446	1.543%	1.882%	2.086	0.914	M 0.750	M 1.294
%RSD		8.555	1.724	2.037	M 0.684	1.538	1.844	2.196	0.950	M 0.753	M 1.300
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	14:30:33	98.630	98.686%	0.000	0.000						
2	14:31:38	M 100.500	97.435%	0.000	0.000						
3	14:32:43	99.580	98.577%	0.000	0.000						
X		M 99.570	98.233%	0.000	0.000						
σ		M 0.938	0.693%	0.000	0.000						
%RSD		M 0.942	0.705	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:34:14	94.153%	0.145	M 181.000	M 188.000	0.000	TM 19790.000	TM 6682.000	TM 6599.000	TM 1052.000	± 0.000
2	14:35:20	84.322%	0.054	M 191.800	M 212.000	0.000	TM 21040.000	TM 7178.000	TM 7133.000	TM 1129.000	± 0.000
3	14:36:23	85.265%	0.040	M 190.900	M 196.300	0.000	TM 21300.000	M 7173.000	TM 6853.000	TM 1076.000	± 0.000
X		87.913%	0.079	M 187.900	M 198.800	0.000	TM 20710.000	TM 7011.000	TM 6862.000	TM 1086.000	± 0.000
σ		5.425%	0.057	M 5.966	M 12.220	0.000	TM 808.600	TM 284.900	TM 267.300	TM 39.290	± 0.000
%RSD		6.170	71.670	M 3.175	M 6.150	0.000	TM 3.904	TM 4.064	TM 3.896	TM 3.618	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:34:14	TM 3047.000	M 81170.000	TM 88740.000	103.275%	37.260	2.722	3.629	3.472	96.090	TM 1990.000
2	14:35:20	TM 3168.000	M 85580.000	TM 91580.000	98.572%	45.250	2.995	3.963	4.204	92.520	TM 2144.000
3	14:36:23	TM 3092.000	M 81940.000	TM 89500.000	98.238%	39.930	2.569	3.557	2.811	97.200	TM 2072.000
X		TM 3102.000	M 82900.000	TM 89940.000	100.028%	40.810	2.762	3.716	3.495	95.270	TM 2069.000
σ		TM 60.930	M 2358.000	TM 1471.000	2.817%	4.068	0.216	0.217	0.697	2.445	TM 77.340
%RSD		TM 1.964	M 2.845	TM 1.636	2.816	9.967	7.808	5.828	19.930	2.567	TM 3.739
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:34:14	TM 2848.000	M 2949.000	4.893	4.371	5.752	20.270	20.610	6.755	8.914	8.580
2	14:35:20	TM 2969.000	M 3069.000	4.973	4.746	5.837	20.640	21.730	6.883	9.171	8.842
3	14:36:23	TM 2923.000	M 2969.000	4.804	4.503	5.638	20.330	21.160	6.696	9.076	8.485
X		TM 2913.000	M 2996.000	4.890	4.540	5.743	20.420	21.170	6.778	9.054	8.636
σ		TM 60.820	M 64.320	0.085	0.190	0.100	0.196	0.561	0.096	0.130	0.185
%RSD		TM 2.088	M 2.147	1.731	4.190	1.734	0.961	2.650	1.417	1.434	2.144
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:34:14	2.088	0.592	-0.110	0.000	0.000	0.641	TM 433.300	117.385%	1.821	2.071
2	14:35:20	1.973	0.633	-0.214	0.000	0.000	0.295	TM 440.700	113.450%	1.907	1.981
3	14:36:23	1.893	0.782	-0.354	0.000	0.000	0.147	TM 440.900	111.561%	2.054	2.496
X		1.985	0.669	-0.226	0.000	0.000	0.361	TM 438.300	114.132%	1.927	2.183
σ		0.098	0.100	0.122	0.000	0.000	0.254	TM 4.320	2.971%	0.118	0.275
%RSD		4.948	14.920	54.080	0.000	0.000	70.360	TM 0.986	2.603	6.118	12.600
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:34:14	1.986	94.516%	-3.485	0.076	0.491	0.273	0.190	-0.042	0.271	97.982%
2	14:35:20	2.101	90.662%	-2.377	0.022	0.420	0.341	0.126	-0.057	0.220	96.976%
3	14:36:23	2.275	88.121%	-2.937	0.016	0.453	0.287	0.124	-0.084	0.208	94.284%
X		2.121	91.100%	-2.933	0.038	0.455	0.300	0.147	-0.061	0.233	96.414%
σ		0.146	3.220%	0.554	0.033	0.036	0.036	0.038	0.021	0.034	1.912%
%RSD		6.864	3.535	18.900	85.860	7.816	11.940	25.570	34.340	14.380	1.983
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:34:14	0.162	0.729	0.740	M 110.500	103.123%	104.932%	0.391	0.260	5.308	5.257
2	14:35:20	0.198	0.756	0.804	M 111.900	101.997%	101.261%	0.239	0.111	5.362	5.321
3	14:36:23	0.201	0.918	0.935	M 112.300	100.044%	100.973%	0.217	0.102	5.541	5.358
X		0.187	0.801	0.826	M 111.600	101.721%	102.389%	0.282	0.158	5.404	5.312
σ		0.021	0.102	0.099	M 0.934	1.558%	2.207%	0.095	0.089	0.122	0.051
%RSD		11.450	12.760	12.000	M 0.837	1.532	2.156	33.520	56.130	2.255	0.969
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	14:34:14	5.168	100.879%	0.000	0.000						
2	14:35:20	5.211	100.082%	0.000	0.000						
3	14:36:23	5.285	97.633%	0.000	0.000						
X		5.221	99.531%	0.000	0.000						
σ		0.059	1.692%	0.000	0.000						
%RSD		1.135	1.700	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:37:55	86.936%	89.560	M 217.500	M 212.600	0.000	TM 23930.000	TM 7857.000	TM 7786.000	T 493.900	T 0.000
2	14:39:00	81.004%	97.690	M 218.000	M 235.000	0.000	TM 25730.000	TM 8452.000	TM 8339.000	T 531.500	T 0.000
3	14:40:05	82.830%	95.830	M 222.400	M 224.000	0.000	TM 25340.000	TM 8211.000	TM 8380.000	T 521.000	T 0.000
X		83.590%	94.360	M 219.300	M 223.900	0.000	TM 25000.000	TM 8173.000	TM 8168.000	T 515.500	T 0.000
σ		3.038%	4.262	M 2.677	M 11.190	0.000	TM 948.200	TM 299.700	TM 331.600	T 19.370	T 0.000
%RSD		3.635	4.517	M 1.221	M 4.997	0.000	TM 3.793	TM 3.667	TM 4.059	T 3.757	T 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:37:55	TM 3941.000	M 97860.000	TM 105500.000	95.167%	0.534	92.180	89.040	91.270	128.500	TM 2410.000
2	14:39:00	TM 4161.000	M 101800.000	TM 109100.000	92.546%	0.442	96.030	94.510	95.670	117.200	TM 2496.000
3	14:40:05	TM 4211.000	M 102500.000	TM 111400.000	90.088%	0.301	95.670	95.390	94.010	132.100	TM 2601.000
X		TM 4104.000	M 100700.000	TM 108700.000	92.601%	0.426	94.630	92.980	93.650	125.900	TM 2502.000
σ		TM 143.800	M 2479.000	TM 3015.000	2.540%	0.117	2.128	3.444	2.220	7.782	TM 95.440
%RSD		TM 3.504	M 2.462	TM 2.774	2.743	27.490	2.248	3.704	2.370	6.180	TM 3.815
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:37:55	TM 2374.000	M 2467.000	91.860	89.190	86.550	82.900	84.170	81.780	83.930	84.060
2	14:39:00	TM 2457.000	M 2556.000	95.600	90.610	91.380	85.070	85.850	84.890	88.060	86.430
3	14:40:05	TM 2508.000	M 2652.000	97.820	92.760	92.320	88.160	88.020	86.810	88.110	89.390
X		TM 2446.000	M 2558.000	95.090	90.850	90.080	85.380	86.010	84.490	86.700	86.630
σ		TM 67.610	M 92.480	3.010	1.797	3.096	2.643	1.933	2.538	2.398	2.673
%RSD		TM 2.764	M 3.615	3.166	1.978	3.436	3.096	2.247	3.004	2.765	3.086
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:37:55	85.050	M 162.700	M 158.200	0.000	0.000	M 156.500	TM 530.500	107.187%	2.358	2.464
2	14:39:00	88.060	M 165.900	M 161.800	0.000	0.000	M 161.800	TM 540.200	105.025%	2.537	2.672
3	14:40:05	89.400	M 173.100	M 165.500	0.000	0.000	M 165.100	TM 552.900	102.522%	2.855	3.203
X		87.500	M 167.200	M 161.800	0.000	0.000	M 161.100	TM 541.200	104.911%	2.583	2.780
σ		2.231	M 5.333	M 3.645	0.000	0.000	M 4.363	TM 11.240	2.335%	0.252	0.381
%RSD		2.550	M 3.189	M 2.252	0.000	0.000	M 2.707	TM 2.077	2.225	9.754	13.710
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:37:55	2.573	88.645%	92.890	94.430	1.035	96.920	93.030	93.670	92.110	93.439%
2	14:39:00	2.748	87.532%	98.150	96.930	0.618	96.060	95.670	96.430	94.770	91.717%
3	14:40:05	3.047	84.449%	M 102.600	96.700	0.430	97.100	95.590	98.090	95.560	91.403%
X		2.789	86.875%	M 97.890	96.020	0.694	96.690	94.760	96.070	94.140	92.186%
σ		0.239	2.174%	M 4.875	1.386	0.310	0.557	1.505	2.233	1.806	1.096%
%RSD		8.576	2.502	M 4.980	1.443	44.620	0.576	1.589	2.325	1.918	1.189
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:37:55	0.175	M 100.600	M 100.900	M 210.000	99.878%	101.765%	99.630	M 100.800	M 100.300	M 100.400
2	14:39:00	0.208	M 103.700	M 103.900	M 215.600	98.557%	98.528%	M 104.200	M 104.300	M 104.400	M 105.300
3	14:40:05	0.207	M 105.400	M 105.100	M 216.800	96.943%	97.912%	M 103.500	M 106.200	M 105.900	M 105.300
X		0.197	M 103.200	M 103.300	M 214.100	98.460%	99.402%	M 102.400	M 103.700	M 103.500	M 103.700
σ		0.018	M 2.451	M 2.160	M 3.654	1.470%	2.070%	M 2.468	M 2.749	M 2.929	M 2.823
%RSD		9.404	M 2.375	M 2.092	M 1.707	1.493	2.082	M 2.409	M 2.650	M 2.829	M 2.723
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	14:37:55	M 100.700	99.102%	0.000	0.000						
2	14:39:00	M 104.700	96.869%	0.000	0.000						
3	14:40:05	M 105.300	96.352%	0.000	0.000						
X		M 103.600	97.441%	0.000	0.000						
σ		M 2.525	1.461%	0.000	0.000						
%RSD		M 2.438	1.500	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:41:36	82.578%	96.520	M 210.000	M 221.800	0.000	TM 24280.000	TM 7825.000	TM 7967.000	T 510.800	T 0.000
2	14:42:42	90.367%	89.910	M 223.600	M 212.500	0.000	TM 24440.000	TM 7692.000	TM 7849.000	T 507.800	T 0.000
3	14:43:47	84.880%	98.780	M 221.600	M 229.900	0.000	TM 25140.000	TM 8253.000	TM 8377.000	T 533.500	T 0.000
X		85.942%	95.070	M 218.400	M 221.400	0.000	TM 24620.000	TM 7923.000	TM 8064.000	T 517.400	T 0.000
σ		4.002%	4.609	M 7.355	M 8.711	0.000	TM 459.200	TM 293.200	TM 276.900	T 14.080	T 0.000
%RSD		4.656	4.848	M 3.368	M 3.934	0.000	TM 1.865	TM 3.700	TM 3.434	T 2.721	T 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:41:36	TM 3976.000	M 97140.000	TM 105300.000	91.951%	0.438	94.950	92.970	93.670	127.600	TM 2438.000
2	14:42:42	TM 4046.000	M 98810.000	TM 105200.000	96.256%	0.353	94.030	93.140	94.980	140.200	TM 2463.000
3	14:43:47	TM 4198.000	M 101300.000	TM 108700.000	93.451%	0.548	98.800	97.300	96.450	128.400	TM 2546.000
X		TM 4073.000	M 99100.000	TM 106400.000	93.886%	0.446	95.930	94.470	95.030	132.100	TM 2482.000
σ		TM 113.300	M 2117.000	TM 1974.000	2.185%	0.098	2.531	2.454	1.387	7.078	TM 56.330
%RSD		TM 2.781	M 2.137	TM 1.856	2.328	21.950	2.639	2.598	1.460	5.359	TM 2.269
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:41:36	TM 2398.000	M 2513.000	95.150	92.320	92.040	86.550	87.420	96.360	97.500	99.840
2	14:42:42	TM 2410.000	M 2532.000	96.600	90.910	89.100	89.000	85.230	97.220	98.640	99.620
3	14:43:47	TM 2495.000	M 2641.000	98.840	94.340	93.770	90.040	88.320	M 100.800	99.620	M 102.900
X		TM 2434.000	M 2562.000	96.860	92.520	91.640	88.530	86.990	M 98.130	98.590	M 100.800
σ		TM 53.200	M 68.840	1.860	1.726	2.362	1.791	1.590	M 2.359	1.063	M 1.809
%RSD		TM 2.185	M 2.687	1.920	1.865	2.578	2.023	1.828	M 2.404	1.079	M 1.795
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:41:36	89.170	M 171.400	M 166.500	0.000	0.000	M 164.500	TM 535.900	103.414%	2.666	2.542
2	14:42:42	88.910	M 171.200	M 166.200	0.000	0.000	M 164.700	TM 525.200	108.109%	2.654	2.575
3	14:43:47	91.770	M 174.300	M 171.200	0.000	0.000	M 170.300	TM 545.200	106.082%	2.857	3.051
X		89.950	M 172.300	M 168.000	0.000	0.000	M 166.500	TM 535.400	105.868%	2.726	2.722
σ		1.585	M 1.718	M 2.804	0.000	0.000	M 3.289	TM 10.050	2.355%	0.114	0.285
%RSD		1.762	M 0.997	M 1.669	0.000	0.000	M 1.975	TM 1.876	2.224	4.185	10.460
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:41:36	2.565	88.010%	97.290	97.300	0.645	95.620	95.800	97.110	94.740	92.315%
2	14:42:42	2.617	90.297%	97.760	98.060	0.632	95.790	96.510	97.890	94.790	95.261%
3	14:43:47	2.936	87.796%	M 100.600	99.940	0.729	99.720	98.390	99.060	97.970	92.708%
X		2.706	88.701%	M 98.540	98.440	0.668	97.040	96.900	98.020	95.830	93.428%
σ		0.201	1.386%	M 1.766	1.360	0.053	2.316	1.339	0.983	1.849	1.599%
%RSD		7.414	1.563	M 1.792	1.381	7.905	2.386	1.382	1.003	1.929	1.712
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:41:36	0.153	M 105.100	M 103.900	M 211.000	99.408%	100.518%	M 102.700	M 104.300	M 103.800	M 104.400
2	14:42:42	0.189	M 104.200	M 103.500	M 214.100	102.495%	103.564%	M 104.100	M 105.800	M 104.700	M 105.000
3	14:43:47	0.204	M 107.500	M 106.600	M 219.600	99.635%	100.088%	M 105.000	M 107.100	M 106.200	M 107.300
X		0.182	M 105.600	M 104.700	M 214.900	100.513%	101.390%	M 103.900	M 105.700	M 104.900	M 105.600
σ		0.026	M 1.720	M 1.700	M 4.362	1.720%	1.895%	M 1.156	M 1.409	M 1.232	M 1.540
%RSD		14.280	M 1.628	M 1.624	M 2.030	1.712	1.869	M 1.113	M 1.333	M 1.175	M 1.459
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	14:41:36	M 103.900	98.022%	0.000	0.000						
2	14:42:42	M 104.900	100.334%	0.000	0.000						
3	14:43:47	M 107.200	99.044%	0.000	0.000						
X		M 105.300	99.133%	0.000	0.000						
σ		M 1.726	1.158%	0.000	0.000						
%RSD		M 1.638	1.168	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:45:19	93.534%	0.075	M 208.200	M 221.200	0.000	TM 23900.000	TM 7144.000	TM 7283.000	5.666	± 0.000
2	14:46:24	89.681%	0.050	M 227.800	M 248.300	0.000	TM 25040.000	TM 7869.000	TM 7757.000	5.562	± 0.000
3	14:47:29	88.353%	0.009	M 234.800	M 234.300	0.000	TM 25160.000	TM 7716.000	TM 7914.000	5.220	± 0.000
X		90.523%	0.044	M 223.600	M 234.600	0.000	TM 24700.000	TM 7576.000	TM 7651.000	5.483	± 0.000
σ		2.691%	0.033	M 13.790	M 13.580	0.000	TM 693.700	TM 382.000	TM 328.700	0.233	± 0.000
%RSD		2.972	74.610	M 6.168	M 5.789	0.000	TM 2.809	TM 5.042	TM 4.296	4.253	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:45:19	TM 3444.000	M 95540.000	TM 102400.000	101.584%	0.455	0.320	0.621	0.182	110.800	TM 2316.000
2	14:46:24	TM 3630.000	M 102000.000	TM 112500.000	96.795%	0.505	0.003	0.633	-1.075	119.200	TM 2508.000
3	14:47:29	TM 3715.000	M 104400.000	TM 110900.000	95.103%	0.629	0.135	0.590	0.132	117.200	TM 2525.000
X		TM 3596.000	M 100700.000	TM 108600.000	97.827%	0.530	0.153	0.615	-0.254	115.700	TM 2449.000
σ		TM 138.300	M 4602.000	TM 5432.000	3.362%	0.090	0.159	0.022	0.712	4.369	TM 116.100
%RSD		TM 3.846	M 4.571	TM 5.001	3.436	16.940	104.000	3.644	280.800	3.776	TM 4.740
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:45:19	TM 1888.000	M 2000.000	5.158	3.577	4.813	0.777	0.871	2.118	5.265	3.798
2	14:46:24	TM 2043.000	M 2176.000	5.360	3.897	5.332	0.763	1.003	2.330	4.642	4.150
3	14:47:29	TM 2054.000	M 2165.000	5.216	3.439	4.766	0.732	1.022	2.299	4.722	4.115
X		TM 1995.000	M 2114.000	5.245	3.638	4.970	0.758	0.966	2.249	4.877	4.021
σ		TM 92.610	M 98.690	0.104	0.235	0.314	0.023	0.082	0.115	0.339	0.194
%RSD		TM 4.642	M 4.669	1.990	6.452	6.318	3.002	8.501	5.090	6.950	4.828
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:45:19	2.184	2.606	-0.074	0.000	0.000	0.714	TM 521.800	111.786%	2.486	2.614
2	14:46:24	2.195	2.878	-0.408	0.000	0.000	0.304	TM 547.000	108.985%	2.934	3.019
3	14:47:29	2.169	2.997	-0.326	0.000	0.000	0.198	TM 566.400	107.222%	3.013	3.111
X		2.183	2.827	-0.269	0.000	0.000	0.406	TM 545.100	109.331%	2.811	2.915
σ		0.013	0.201	0.174	0.000	0.000	0.273	TM 22.330	2.302%	0.285	0.265
%RSD		0.589	7.092	64.620	0.000	0.000	67.200	TM 4.097	2.105	10.120	9.075
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:45:19	2.642	93.003%	-2.904	0.069	0.453	0.305	0.174	-0.041	0.272	98.037%
2	14:46:24	2.977	89.744%	-3.739	0.009	0.506	0.254	0.120	-0.122	0.164	93.504%
3	14:47:29	3.142	89.315%	-2.957	0.014	0.460	0.348	0.122	-0.100	0.182	93.651%
X		2.920	90.687%	-3.200	0.031	0.473	0.303	0.138	-0.088	0.206	95.064%
σ		0.254	2.017%	0.468	0.033	0.029	0.047	0.030	0.042	0.058	2.576%
%RSD		8.710	2.224	14.610	106.900	6.055	15.560	21.950	47.550	28.200	2.709
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:45:19	0.021	0.647	0.626	M 110.700	105.115%	106.118%	0.356	0.232	2.396	2.371
2	14:46:24	0.058	0.715	0.836	M 121.200	100.179%	101.596%	0.223	0.111	2.593	2.495
3	14:47:29	0.062	0.870	0.902	M 120.000	100.718%	101.236%	0.204	0.096	2.539	2.420
X		0.047	0.744	0.788	M 117.300	102.004%	102.983%	0.261	0.146	2.509	2.429
σ		0.023	0.114	0.144	M 5.723	2.708%	2.720%	0.083	0.074	0.102	0.062
%RSD		48.590	15.370	18.290	M 4.878	2.655	2.642	31.700	51.010	4.061	2.572
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	14:45:19	2.287	102.881%	0.000	0.000						
2	14:46:24	2.409	98.576%	0.000	0.000						
3	14:47:29	2.391	98.999%	0.000	0.000						
X		2.362	100.152%	0.000	0.000						
σ		0.066	2.373%	0.000	0.000						
%RSD		2.786	2.369	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:48:59	84.319%	0.063	M 190.300	M 206.400	0.000	TM 21240.000	TM 6677.000	TM 6671.000	T 742.200	T 0.000
2	14:50:04	87.986%	0.030	M 198.900	M 199.300	0.000	TM 21870.000	M 6801.000	TM 6528.000	T 724.700	T 0.000
3	14:51:09	81.295%	0.034	M 198.400	M 211.000	0.000	TM 21850.000	M 6999.000	TM 6827.000	T 737.800	T 0.000
X		84.534%	0.042	M 195.900	M 205.500	0.000	TM 21650.000	TM 6826.000	TM 6675.000	T 734.900	T 0.000
σ		3.351%	0.018	M 4.826	M 5.919	0.000	TM 359.500	TM 162.500	TM 149.500	T 9.069	T 0.000
%RSD		3.964	42.350	M 2.464	M 2.879	0.000	TM 1.660	TM 2.380	TM 2.239	T 1.234	T 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:48:59	TM 3160.000	M 86080.000	TM 93850.000	94.338%	27.560	1.879	2.441	2.295	104.800	TM 2129.000
2	14:50:04	TM 3146.000	M 83410.000	TM 94090.000	95.000%	26.590	1.857	2.402	2.768	101.700	TM 2112.000
3	14:51:09	TM 3163.000	M 86520.000	TM 92800.000	94.106%	33.200	1.899	2.477	2.964	100.600	TM 2164.000
X		TM 3156.000	M 85340.000	TM 93580.000	94.481%	29.120	1.878	2.440	2.676	102.400	TM 2135.000
σ		TM 9.041	M 1685.000	TM 685.300	0.464%	3.567	0.021	0.038	0.344	2.174	TM 26.460
%RSD		TM 0.286	M 1.974	TM 0.732	0.491	12.250	1.136	1.541	12.850	2.123	TM 1.239
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:48:59	TM 2723.000	M 2828.000	4.419	3.728	5.050	23.040	22.670	5.406	7.846	7.304
2	14:50:04	TM 2698.000	M 2766.000	4.502	3.740	4.571	23.250	23.510	5.464	8.114	7.046
3	14:51:09	TM 2701.000	M 2769.000	4.395	3.689	4.864	22.750	22.890	5.398	7.932	7.410
X		TM 2707.000	M 2788.000	4.439	3.719	4.828	23.020	23.030	5.423	7.964	7.253
σ		TM 13.620	M 35.310	0.056	0.027	0.242	0.250	0.436	0.036	0.137	0.187
%RSD		TM 0.503	M 1.267	1.259	0.714	5.003	1.088	1.893	0.667	1.718	2.583
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:48:59	2.019	1.108	-0.583	0.000	0.000	0.169	TM 467.400	108.740%	1.988	2.248
2	14:50:04	2.091	0.792	-0.497	0.000	0.000	0.181	TM 469.300	107.847%	2.028	2.260
3	14:51:09	2.065	0.694	-0.442	0.000	0.000	0.218	TM 461.600	109.029%	2.015	2.055
X		2.058	0.865	-0.507	0.000	0.000	0.189	TM 466.100	108.539%	2.011	2.188
σ		0.037	0.217	0.071	0.000	0.000	0.026	TM 4.011	0.616%	0.020	0.115
%RSD		1.783	25.050	13.990	0.000	0.000	13.520	TM 0.861	0.568	1.011	5.243
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:48:59	2.195	89.139%	-2.454	0.015	0.425	0.318	0.121	-0.067	0.220	92.998%
2	14:50:04	1.979	86.710%	-3.040	0.008	0.452	0.164	0.119	-0.098	0.195	92.123%
3	14:51:09	2.121	89.246%	-2.688	0.008	0.440	0.317	0.120	-0.078	0.186	94.211%
X		2.098	88.365%	-2.727	0.010	0.439	0.266	0.120	-0.081	0.200	93.111%
σ		0.110	1.434%	0.295	0.004	0.013	0.088	0.001	0.016	0.018	1.048%
%RSD		5.227	1.623	10.820	40.430	3.041	33.210	0.790	19.410	8.812	1.126
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:48:59	0.131	0.319	0.381	M 111.700	99.398%	101.151%	0.172	0.050	4.552	4.435
2	14:50:04	0.108	0.329	0.408	M 113.000	99.119%	99.404%	0.155	0.039	4.451	4.439
3	14:51:09	0.127	0.375	0.415	M 110.600	100.870%	101.089%	0.155	0.038	4.456	4.475
X		0.122	0.341	0.402	M 111.800	99.796%	100.548%	0.161	0.042	4.487	4.449
σ		0.012	0.030	0.018	M 1.202	0.941%	0.991%	0.009	0.007	0.057	0.022
%RSD		9.866	8.715	4.443	M 1.075	0.943	0.986	5.911	15.660	1.271	0.491
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	14:48:59	4.393	98.834%	0.000	0.000						
2	14:50:04	4.358	97.985%	0.000	0.000						
3	14:51:09	4.333	99.478%	0.000	0.000						
X		4.361	98.766%	0.000	0.000						
σ		0.030	0.749%	0.000	0.000						
%RSD		0.690	0.758	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:52:41	91.141%	46.420	59.650	58.820	0.000	497.700	527.600	525.800	±527.900	±0.000
2	14:53:46	92.163%	48.420	56.850	56.720	0.000	510.600	533.500	519.100	±532.200	±0.000
3	14:54:52	89.678%	50.070	59.240	56.110	0.000	500.900	528.200	525.700	±538.100	±0.000
x		90.994%	48.300	58.580	57.210	0.000	503.100	529.800	523.600	±532.800	±0.000
σ		1.249%	1.830	1.513	1.421	0.000	6.752	3.274	3.837	±5.106	±0.000
%RSD		1.373	3.789	2.582	2.484	0.000	1.342	0.618	0.733	±0.958	±0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:52:41	499.500	668.600	650.600	93.797%	50.070	50.010	49.610	50.130	125.000	52.510
2	14:53:46	511.500	559.400	530.200	92.942%	50.140	49.570	49.320	48.350	131.600	49.900
3	14:54:52	508.300	536.400	514.500	92.781%	49.430	49.560	49.060	48.520	138.600	50.030
x		506.400	588.100	565.100	93.173%	49.880	49.710	49.330	49.000	131.700	50.810
σ		6.262	70.670	74.460	0.546%	0.394	0.253	0.277	0.982	6.807	1.470
%RSD		1.237	12.020	13.180	0.586	0.790	0.508	0.562	2.005	5.168	2.893
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:52:41	±530.500	536.300	49.190	48.790	50.000	48.180	50.190	47.610	47.310	48.610
2	14:53:46	±536.500	524.700	49.640	49.220	48.220	49.160	49.400	49.010	48.490	50.010
3	14:54:52	±539.300	523.100	50.660	50.060	47.290	50.290	49.860	48.780	50.050	48.690
x		±535.400	528.000	49.830	49.350	48.500	49.210	49.820	48.470	48.620	49.100
σ		±4.493	7.244	0.755	0.647	1.381	1.054	0.396	0.752	1.376	0.784
%RSD		±0.839	1.372	1.515	1.312	2.847	2.142	0.795	1.552	2.831	1.597
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:52:41	47.130	48.260	48.060	0.000	0.000	48.760	49.250	99.986%	47.690	47.090
2	14:53:46	48.700	49.100	50.530	0.000	0.000	49.810	49.500	98.035%	49.960	49.490
3	14:54:52	49.010	48.840	50.200	0.000	0.000	50.610	49.700	96.829%	50.170	49.370
x		48.280	48.730	49.600	0.000	0.000	49.730	49.490	98.284%	49.270	48.650
σ		1.006	0.426	1.338	0.000	0.000	0.926	0.229	1.593%	1.376	1.352
%RSD		2.083	0.874	2.699	0.000	0.000	1.863	0.463	1.621	2.792	2.779
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:52:41	47.320	98.987%	51.350	48.470	0.336	49.060	48.460	49.220	48.540	100.690%
2	14:53:46	50.240	97.279%	50.670	49.120	0.490	50.440	48.240	49.400	47.880	100.923%
3	14:54:52	49.400	97.075%	48.590	49.560	0.706	51.670	49.020	49.840	48.740	98.384%
x		48.980	97.780%	50.200	49.050	0.511	50.390	48.570	49.490	48.390	99.999%
σ		1.504	1.050%	1.435	0.546	0.186	1.307	0.399	0.318	0.451	1.403%
%RSD		3.070	1.074	2.858	1.112	36.410	2.595	0.822	0.642	0.932	1.403
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:52:41	48.670	47.740	48.260	47.870	105.491%	106.079%	49.040	49.080	48.940	48.950
2	14:53:46	48.130	49.150	49.050	49.230	102.881%	105.271%	49.110	49.880	49.620	49.990
3	14:54:52	48.600	48.810	49.170	48.910	104.135%	102.542%	51.010	50.120	50.250	49.930
x		48.470	48.570	48.830	48.670	104.169%	104.631%	49.720	49.690	49.610	49.620
σ		0.292	0.732	0.491	0.712	1.306%	1.853%	1.119	0.544	0.653	0.585
%RSD		0.602	1.508	1.006	1.463	1.253	1.771	2.250	1.095	1.316	1.178
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	14:52:41	48.410	110.484%	0.000	0.000						
2	14:53:46	49.550	108.425%	0.000	0.000						
3	14:54:52	49.510	106.633%	0.000	0.000						
x		49.160	108.514%	0.000	0.000						
σ		0.649	1.927%	0.000	0.000						
%RSD		1.321	1.776	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:56:22	92.646%	0.072	5.976	7.141	0.000	-3.381	0.360	0.666	0.539	±0.000
2	14:57:28	88.591%	0.005	6.384	5.860	0.000	-8.114	-1.071	-0.494	-1.041	±0.000
3	14:58:33	90.193%	0.009	4.730	5.354	0.000	-2.383	-0.214	0.294	-0.055	±0.000
x		90.477%	0.028	5.697	6.118	0.000	-4.626	-0.308	0.155	-0.186	±0.000
σ		2.042%	0.038	0.862	0.921	0.000	3.062	0.720	0.592	0.798	±0.000
%RSD		2.257	133.000	15.130	15.060	0.000	66.190	233.600	381.600	430.300	±0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:56:22	-0.504	-22.030	-12.700	92.546%	-0.128	-0.064	0.106	0.012	131.000	0.198
2	14:57:28	-0.952	-29.190	-18.300	93.712%	-0.154	-0.147	0.007	-0.219	133.500	0.072
3	14:58:33	-0.137	-23.800	-13.920	92.561%	-0.153	0.003	0.012	0.126	130.600	0.109
x		-0.531	-25.010	-14.970	92.940%	-0.145	-0.069	0.042	-0.027	131.700	0.126
σ		0.409	3.727	2.942	0.669%	0.015	0.075	0.056	0.175	1.561	0.065
%RSD		76.960	14.900	19.650	0.720	9.993	107.600	134.100	652.500	1.185	51.550
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:56:22	-0.333	-0.768	0.061	0.092	0.246	-0.193	-0.001	-0.740	-1.293	-1.415
2	14:57:28	-1.469	-2.622	-0.013	0.053	0.130	-0.264	-0.053	-0.883	-1.455	-1.508
3	14:58:33	1.748	-1.716	0.015	0.086	0.161	-0.271	-0.074	-0.646	-1.273	-1.393
x		-0.018	-1.702	0.021	0.077	0.179	-0.243	-0.043	-0.756	-1.340	-1.439
σ		1.631	0.927	0.038	0.021	0.060	0.043	0.038	0.119	0.100	0.061
%RSD		9088.000	54.460	178.300	27.080	33.480	17.670	87.940	15.770	7.458	4.237
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:56:22	0.138	-0.247	-0.062	0.000	0.000	0.215	0.077	96.338%	0.947	0.875
2	14:57:28	-0.041	0.162	-0.105	0.000	0.000	0.087	0.006	96.056%	0.522	0.572
3	14:58:33	-0.140	0.757	-0.170	0.000	0.000	0.129	0.021	95.491%	0.645	0.645
x		-0.015	0.224	-0.112	0.000	0.000	0.144	0.035	95.962%	0.705	0.697
σ		0.141	0.505	0.054	0.000	0.000	0.065	0.038	0.432%	0.219	0.158
%RSD		962.900	225.500	48.500	0.000	0.000	45.450	107.600	0.450	31.030	22.680
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:56:22	0.939	96.488%	-0.664	0.047	0.287	0.036	0.160	0.028	0.253	98.644%
2	14:57:28	0.485	96.974%	-0.000	0.016	0.245	0.065	0.125	0.000	0.216	98.388%
3	14:58:33	0.716	95.723%	-0.871	0.026	0.302	0.066	0.133	-0.047	0.206	98.523%
x		0.713	96.395%	-0.512	0.030	0.278	0.056	0.139	-0.006	0.225	98.518%
σ		0.227	0.631%	0.455	0.016	0.030	0.017	0.018	0.038	0.025	0.128%
%RSD		31.860	0.654	88.890	52.530	10.720	30.220	13.080	628.900	11.080	0.130
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:56:22	0.421	1.444	1.617	0.039	103.119%	101.114%	0.211	0.091	0.127	0.098
2	14:57:28	0.521	1.295	1.281	-0.000	101.849%	101.142%	0.156	0.039	0.088	0.042
3	14:58:33	0.648	1.334	1.326	0.018	100.079%	101.046%	0.168	0.041	0.086	0.045
x		0.530	1.357	1.408	0.019	101.682%	101.101%	0.179	0.057	0.100	0.062
σ		0.113	0.077	0.183	0.020	1.527%	0.050%	0.029	0.029	0.023	0.032
%RSD		21.400	5.688	12.960	104.100	1.501	0.049	16.170	51.330	22.960	51.270
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	14:56:22	0.047	105.973%	0.000	0.000						
2	14:57:28	-0.002	104.583%	0.000	0.000						
3	14:58:33	0.001	105.283%	0.000	0.000						
x		0.015	105.279%	0.000	0.000						
σ		0.027	0.695%	0.000	0.000						
%RSD		178.300	0.660	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:00:05	87.699%	0.022	97.800	95.000	0.000	TM 23240.000	TM 7717.000	TM 7731.000	10.040	± 0.000
2	15:01:11	80.378%	0.002	M 102.300	M 104.200	0.000	TM 24260.000	TM 7982.000	TM 7911.000	10.960	± 0.000
3	15:02:16	81.513%	0.020	99.790	M 104.000	0.000	TM 23860.000	TM 8114.000	TM 8178.000	10.300	± 0.000
X		83.196%	0.015	M 99.950	M 101.100	0.000	TM 23790.000	TM 7938.000	TM 7940.000	10.430	± 0.000
σ		3.940%	0.011	M 2.242	M 5.275	0.000	TM 510.200	TM 202.000	TM 224.900	0.474	± 0.000
%RSD		4.736	74.090	M 2.243	M 5.218	0.000	TM 2.145	TM 2.544	TM 2.833	4.541	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:00:05	TM 7797.000	M 107900.000	TM 117300.000	90.843%	0.984	1.175	0.751	2.150	94.560	TM 3401.000
2	15:01:11	TM 8038.000	M 107800.000	TM 115800.000	92.140%	0.976	0.610	0.804	-0.728	94.640	TM 3459.000
3	15:02:16	TM 8143.000	M 111100.000	TM 118100.000	88.719%	1.140	0.864	0.731	-0.904	90.470	TM 3488.000
X		TM 7993.000	M 108900.000	TM 117100.000	90.567%	1.033	0.883	0.762	0.173	93.220	TM 3449.000
σ		TM 177.400	M 1897.000	TM 1152.000	1.727%	0.093	0.283	0.038	1.715	2.387	TM 44.710
%RSD		TM 2.220	M 1.742	TM 0.984	1.907	8.972	32.040	4.986	992.700	2.561	TM 1.296
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:00:05	TM 24800.000	TM 26140.000	-0.404	3.563	5.051	1.892	2.133	12.700	21.370	18.810
2	15:01:11	TM 25170.000	TM 26480.000	-0.421	3.831	5.812	1.926	2.224	12.540	21.450	18.930
3	15:02:16	TM 25360.000	TM 27010.000	-0.435	3.659	5.343	1.950	2.213	12.530	20.080	19.450
X		TM 25110.000	TM 26540.000	-0.420	3.685	5.402	1.922	2.190	12.590	20.970	19.070
σ		TM 281.300	TM 437.300	0.015	0.135	0.384	0.030	0.050	0.093	0.770	0.341
%RSD		TM 1.120	TM 1.648	3.632	3.674	7.100	1.535	2.276	0.737	3.671	1.788
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:00:05	19.710	4.049	-0.027	0.000	0.000	0.129	TM 995.200	91.476%	0.749	0.811
2	15:01:11	20.160	3.789	-0.087	0.000	0.000	0.182	TM 1023.000	90.774%	0.969	1.113
3	15:02:16	19.800	3.828	-0.032	0.000	0.000	0.183	TM 1008.000	91.163%	1.054	1.089
X		19.890	3.889	-0.049	0.000	0.000	0.165	TM 1009.000	91.137%	0.924	1.004
σ		0.234	0.140	0.033	0.000	0.000	0.031	TM 13.740	0.352%	0.157	0.167
%RSD		1.177	3.605	68.450	0.000	0.000	18.940	TM 1.362	0.386	17.010	16.670
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:00:05	0.733	87.758%	-4.266	0.029	0.537	0.195	0.133	-0.226	0.073	91.566%
2	15:01:11	1.000	85.690%	-3.675	0.025	0.497	0.198	0.131	-0.209	0.114	90.439%
3	15:02:16	1.023	87.547%	-4.316	0.032	0.542	0.228	0.129	-0.228	0.080	91.492%
X		0.919	86.998%	-4.085	0.028	0.525	0.207	0.131	-0.221	0.089	91.166%
σ		0.161	1.138%	0.357	0.003	0.025	0.018	0.002	0.010	0.022	0.631%
%RSD		17.540	1.308	8.728	11.010	4.732	8.563	1.466	4.713	24.930	0.692
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:00:05	0.071	0.664	0.714	M 304.300	97.835%	98.461%	0.134	0.014	0.898	0.904
2	15:01:11	0.128	0.654	0.708	M 317.300	96.995%	98.421%	0.130	0.012	0.982	0.869
3	15:02:16	0.164	0.670	0.694	M 314.100	95.814%	97.347%	0.134	0.012	0.974	0.885
X		0.121	0.663	0.705	M 311.900	96.881%	98.077%	0.133	0.013	0.951	0.886
σ		0.047	0.008	0.011	M 6.727	1.015%	0.632%	0.002	0.001	0.046	0.018
%RSD		38.510	1.248	1.516	M 2.157	1.048	0.645	1.786	8.658	4.834	1.995
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	15:00:05	0.816	96.514%	0.000	0.000						
2	15:01:11	0.856	93.848%	0.000	0.000						
3	15:02:16	0.846	94.963%	0.000	0.000						
X		0.839	95.108%	0.000	0.000						
σ		0.021	1.339%	0.000	0.000						
%RSD		2.477	1.408	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:03:47	78.617%	0.003	M 430.000	M 486.800	0.000	TM 458100.000	TM 46770.000	TM 46730.000	79.650	± 0.000
2	15:04:53	78.964%	0.030	M 468.700	M 507.200	0.000	TM 478900.000	TM 47980.000	TM 47450.000	81.450	± 0.000
3	15:05:58	80.447%	0.016	M 466.000	M 490.200	0.000	TM 477700.000	TM 48160.000	TM 47420.000	81.120	± 0.000
X		79.343%	0.016	M 454.900	M 494.800	0.000	TM 471600.000	TM 47640.000	TM 47200.000	80.740	± 0.000
σ		0.972%	0.014	M 21.580	M 10.950	0.000	TM 11670.000	TM 755.800	TM 410.200	0.958	± 0.000
%RSD		1.225	85.830	M 4.743	M 2.213	0.000	TM 2.476	TM 1.587	TM 0.869	1.186	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:03:47	TM 18900.000	M 122900.000	TM 132400.000	94.031%	3.532	0.855	15.290	15.130	114.500	TM 513.700
2	15:04:53	TM 19760.000	M 127500.000	TM 135800.000	95.456%	3.714	0.520	16.080	15.340	155.900	TM 528.500
3	15:05:58	TM 19600.000	M 126300.000	TM 135700.000	99.185%	3.421	0.591	15.870	15.530	170.200	TM 525.100
X		TM 19420.000	M 125600.000	TM 134600.000	96.224%	3.556	0.656	15.750	15.340	146.900	TM 522.400
σ		TM 458.800	M 2415.000	TM 1916.000	2.661%	0.148	0.176	0.412	0.199	28.940	TM 7.724
%RSD		TM 2.362	M 1.923	TM 1.423	2.766	4.154	26.890	2.616	1.296	19.700	TM 1.479
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:03:47	TM 2916.000	M 3122.000	-0.486	0.222	44.590	4.129	1.060	5.457	14.350	12.110
2	15:04:53	TM 2971.000	M 3171.000	-0.531	0.516	62.300	4.963	1.124	5.951	15.340	12.780
3	15:05:58	TM 2974.000	M 3120.000	-0.542	0.326	62.270	4.970	0.970	5.764	14.350	12.250
X		TM 2954.000	M 3138.000	-0.520	0.355	56.390	4.687	1.052	5.724	14.680	12.380
σ		TM 32.390	M 29.090	0.030	0.149	10.220	0.483	0.077	0.249	0.570	0.354
%RSD		TM 1.097	M 0.927	5.742	41.920	18.120	10.310	7.351	4.357	3.882	2.860
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:03:47	2.016	6.576	0.225	0.000	0.000	-0.353	TM 1049.000	93.533%	4.406	4.489
2	15:04:53	2.032	8.985	0.445	0.000	0.000	-0.858	TM 1054.000	95.144%	4.559	4.715
3	15:05:58	2.085	9.382	0.258	0.000	0.000	-0.857	TM 1061.000	97.822%	4.541	4.999
X		2.044	8.315	0.309	0.000	0.000	-0.689	TM 1055.000	95.500%	4.502	4.734
σ		0.036	1.519	0.119	0.000	0.000	0.292	TM 6.141	2.166%	0.084	0.256
%RSD		1.748	18.260	38.430	0.000	0.000	42.310	TM 0.582	2.268	1.859	5.397
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:03:47	4.489	82.921%	-3.935	0.012	0.529	0.435	0.118	-0.242	0.088	89.233%
2	15:04:53	4.696	82.057%	-4.770	0.010	0.572	0.270	0.117	-0.267	0.058	89.350%
3	15:05:58	4.842	85.430%	-4.767	0.009	0.591	0.522	0.113	-0.290	0.046	91.390%
X		4.676	83.470%	-4.490	0.010	0.564	0.409	0.116	-0.266	0.064	89.991%
σ		0.178	1.752%	0.481	0.001	0.032	0.128	0.003	0.024	0.022	1.213%
%RSD		3.797	2.099	10.710	12.950	5.603	31.190	2.255	8.950	34.180	1.348
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:03:47	0.176	0.408	0.423	M 357.500	97.921%	98.639%	0.140	0.018	0.957	0.924
2	15:04:53	0.237	0.372	0.483	M 370.700	98.568%	99.230%	0.130	0.016	1.000	0.910
3	15:05:58	0.241	0.418	0.477	M 373.400	101.664%	102.759%	0.133	0.008	1.004	0.966
X		0.218	0.400	0.461	M 367.200	99.384%	100.209%	0.134	0.014	0.987	0.933
σ		0.037	0.024	0.033	M 8.481	2.001%	2.228%	0.006	0.005	0.026	0.029
%RSD		16.800	6.110	7.125	M 2.310	2.013	2.223	4.109	38.390	2.679	3.142
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	15:03:47	0.869	86.527%	0.000	0.000						
2	15:04:53	0.893	87.091%	0.000	0.000						
3	15:05:58	0.894	89.571%	0.000	0.000						
X		0.885	87.730%	0.000	0.000						
σ		0.014	1.619%	0.000	0.000						
%RSD		1.582	1.846	0.000	0.000						

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ja59191-5 11/2/2010 15:06:24

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:07:29	86.196%	0.026	M 295.600	M 323.500	0.000	TM 77510.000	TM 31290.000	TM 31060.000	T 682.800	T 0.000
2	15:08:34	84.815%	0.044	M 310.400	M 316.800	0.000	TM 79430.000	TM 32520.000	TM 32470.000	T 719.000	T 0.000
3	15:09:40	79.796%	0.030	M 321.900	M 336.200	0.000	TM 82650.000	TM 33720.000	TM 33980.000	T 749.200	T 0.000
X		83.602%	0.034	M 309.300	M 325.500	0.000	TM 79860.000	TM 32510.000	TM 32500.000	T 717.000	T 0.000
σ		3.368%	0.010	M 13.160	M 9.834	0.000	TM 2598.000	TM 1212.000	TM 1461.000	T 33.230	T 0.000
%RSD		4.029	28.610	M 4.256	M 3.021	0.000	TM 3.253	TM 3.728	TM 4.494	T 4.635	T 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:07:29	TM 9702.000	M 120400.000	TM 129200.000	104.390%	14.410	1.741	28.850	28.000	159.000	TM 831.500
2	15:08:34	TM 10130.000	M 125900.000	TM 134600.000	100.517%	14.400	2.061	30.600	31.310	158.400	TM 878.400
3	15:09:40	TM 10290.000	M 130900.000	TM 137900.000	96.755%	14.140	1.471	31.120	30.290	180.100	TM 892.400
X		TM 10040.000	M 125700.000	TM 133900.000	100.554%	14.310	1.758	30.190	29.870	165.800	TM 867.500
σ		TM 302.200	M 5295.000	TM 4387.000	3.818%	0.150	0.296	1.192	1.698	12.330	TM 31.900
%RSD		TM 3.011	M 4.211	TM 3.276	3.797	1.050	16.820	3.948	5.683	7.437	TM 3.677
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:07:29	TM 5171.000	M 5517.000	1.443	9.703	19.470	24.160	23.900	55.890	58.210	60.500
2	15:08:34	TM 5437.000	M 5767.000	1.538	9.470	13.510	25.090	24.700	58.870	60.860	61.200
3	15:09:40	TM 5619.000	M 5903.000	1.525	10.170	12.410	25.070	25.510	60.300	61.320	61.870
X		TM 5409.000	M 5729.000	1.502	9.779	15.130	24.770	24.700	58.350	60.130	61.190
σ		TM 225.600	M 195.800	0.051	0.354	3.796	0.533	0.803	2.251	1.678	0.685
%RSD		TM 4.171	M 3.417	3.426	3.620	25.090	2.150	3.252	3.857	2.791	1.119
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:07:29	2.186	6.172	-0.317	0.000	0.000	0.069	TM 867.500	106.683%	7.154	7.395
2	15:08:34	2.068	7.407	-0.302	0.000	0.000	0.100	TM 911.900	104.241%	7.454	7.631
3	15:09:40	2.256	7.740	-0.230	0.000	0.000	0.201	TM 905.500	103.291%	7.868	8.153
X		2.170	7.106	-0.283	0.000	0.000	0.123	TM 895.000	104.738%	7.492	7.727
σ		0.095	0.826	0.046	0.000	0.000	0.069	TM 23.960	1.750%	0.359	0.388
%RSD		4.382	11.620	16.360	0.000	0.000	56.170	TM 2.678	1.671	4.785	5.021
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:07:29	7.439	93.279%	-4.056	0.027	0.534	0.364	0.129	-0.119	0.181	98.537%
2	15:08:34	7.841	90.018%	-3.569	0.021	0.498	0.342	0.128	-0.070	0.220	97.244%
3	15:09:40	8.285	88.176%	-3.402	0.029	0.506	0.598	0.125	-0.077	0.212	95.165%
X		7.855	90.491%	-3.676	0.026	0.513	0.435	0.127	-0.089	0.204	96.982%
σ		0.423	2.585%	0.340	0.004	0.019	0.142	0.002	0.027	0.021	1.701%
%RSD		5.383	2.856	9.247	16.570	3.671	32.690	1.529	29.920	10.120	1.754
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:07:29	0.595	0.331	0.358	M 180.700	107.682%	109.194%	0.140	0.018	3.097	2.992
2	15:08:34	0.600	0.375	0.420	M 188.000	105.562%	107.800%	0.138	0.016	3.174	3.209
3	15:09:40	0.664	0.371	0.417	M 189.600	103.811%	103.860%	0.140	0.022	3.236	3.176
X		0.620	0.359	0.398	M 186.100	105.685%	106.951%	0.139	0.019	3.169	3.126
σ		0.039	0.024	0.035	M 4.771	1.939%	2.766%	0.001	0.003	0.070	0.117
%RSD		6.212	6.753	8.853	M 2.564	1.834	2.587	0.637	17.290	2.206	3.732
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	15:07:29	2.965	101.938%	0.000	0.000						
2	15:08:34	3.091	99.191%	0.000	0.000						
3	15:09:40	3.130	98.115%	0.000	0.000						
X		3.062	99.748%	0.000	0.000						
σ		0.087	1.972%	0.000	0.000						
%RSD		2.826	1.977	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:11:11	84.427%	-0.003	M 225.300	M 239.200	0.000	TM 24530.000	TM 7479.000	TM 7470.000	14.730	± 0.000
2	15:12:16	84.210%	0.010	M 224.200	M 226.700	0.000	TM 23740.000	TM 7288.000	TM 7446.000	13.470	± 0.000
3	15:13:22	87.218%	0.005	M 218.400	M 226.300	0.000	TM 22770.000	TM 7318.000	TM 7267.000	13.430	± 0.000
X		85.285%	0.004	M 222.600	M 230.800	0.000	TM 23680.000	TM 7362.000	TM 7394.000	13.880	± 0.000
σ		1.677%	0.007	M 3.713	M 7.341	0.000	TM 883.000	TM 102.600	TM 111.100	0.742	± 0.000
%RSD		1.967	165.900	M 1.668	M 3.181	0.000	TM 3.729	TM 1.393	TM 1.503	5.347	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:11:11	TM 3440.000	M 98340.000	TM 105900.000	96.815%	0.622	0.343	0.294	0.897	135.500	TM 2366.000
2	15:12:16	TM 3437.000	M 94590.000	TM 104700.000	94.736%	0.664	0.556	0.255	-0.024	116.200	TM 2355.000
3	15:13:22	TM 3443.000	M 95430.000	TM 101700.000	98.929%	0.772	0.634	0.261	0.091	112.000	TM 2348.000
X		TM 3440.000	M 96120.000	TM 104100.000	96.826%	0.686	0.511	0.270	0.321	121.200	TM 2356.000
σ		TM 2.782	M 1966.000	TM 2163.000	2.096%	0.077	0.151	0.021	0.502	12.540	TM 8.886
%RSD		TM 0.081	M 2.045	TM 2.078	2.165	11.280	29.540	7.825	156.200	10.350	TM 0.377
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:11:11	TM 2046.000	M 2172.000	5.099	3.438	4.592	0.952	1.235	2.018	4.169	3.556
2	15:12:16	TM 2017.000	M 2111.000	4.867	3.169	4.062	0.942	1.094	1.769	4.330	3.459
3	15:13:22	TM 1998.000	M 2120.000	4.692	3.253	4.351	0.910	1.150	1.620	4.112	3.487
X		TM 2020.000	M 2134.000	4.886	3.287	4.335	0.935	1.160	1.802	4.203	3.501
σ		TM 23.940	M 32.870	0.205	0.138	0.265	0.022	0.071	0.201	0.113	0.050
%RSD		TM 1.185	M 1.540	4.185	4.186	6.118	2.378	6.113	11.140	2.691	1.421
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:11:11	2.187	3.566	-0.550	0.000	0.000	0.068	TM 539.000	108.817%	2.634	2.819
2	15:12:16	2.069	2.427	-0.507	0.000	0.000	0.119	TM 515.800	110.171%	2.558	2.728
3	15:13:22	1.803	3.214	-0.605	0.000	0.000	0.032	TM 523.000	109.254%	2.742	2.864
X		2.020	3.069	-0.554	0.000	0.000	0.073	TM 525.900	109.414%	2.645	2.804
σ		0.197	0.583	0.049	0.000	0.000	0.044	TM 11.890	0.691%	0.093	0.070
%RSD		9.753	19.000	8.884	0.000	0.000	60.080	TM 2.260	0.632	3.503	2.483
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:11:11	2.649	89.755%	-3.671	0.001	0.509	0.377	0.110	-0.141	0.159	94.571%
2	15:12:16	2.664	90.849%	-2.949	-0.001	0.452	0.250	0.110	-0.108	0.179	96.181%
3	15:13:22	2.866	90.692%	-3.159	0.001	0.461	0.189	0.109	-0.100	0.187	96.500%
X		2.726	90.432%	-3.260	0.000	0.474	0.272	0.109	-0.116	0.175	95.751%
σ		0.121	0.591%	0.371	0.001	0.031	0.096	0.001	0.021	0.014	1.034%
%RSD		4.444	0.654	11.390	333.300	6.507	35.260	0.509	18.380	8.093	1.080
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:11:11	0.070	0.202	0.265	M 114.900	102.405%	102.930%	0.132	0.016	2.465	2.425
2	15:12:16	0.060	0.233	0.276	M 110.100	104.031%	105.616%	0.135	0.013	2.416	2.311
3	15:13:22	0.081	0.254	0.291	M 112.000	105.049%	104.683%	0.132	0.013	2.471	2.300
X		0.071	0.230	0.277	M 112.300	103.828%	104.410%	0.133	0.014	2.451	2.345
σ		0.011	0.026	0.013	M 2.383	1.334%	1.364%	0.002	0.001	0.030	0.069
%RSD		14.990	11.350	4.835	M 2.121	1.284	1.306	1.380	9.479	1.230	2.944
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	15:11:11	2.354	99.676%	0.000	0.000						
2	15:12:16	2.254	103.001%	0.000	0.000						
3	15:13:22	2.305	102.368%	0.000	0.000						
X		2.305	101.682%	0.000	0.000						
σ		0.050	1.766%	0.000	0.000						
%RSD		2.168	1.736	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:14:53	90.924%	0.012	M 106.000	M 111.100	0.000	TM 23580.000	TM 7893.000	TM 8024.000	3.424	± 0.000
2	15:15:58	87.388%	0.018	M 107.800	M 111.400	0.000	TM 24610.000	TM 8149.000	TM 8331.000	3.212	± 0.000
3	15:17:04	87.066%	0.005	M 104.000	M 113.300	0.000	TM 24300.000	TM 8229.000	TM 8253.000	3.290	± 0.000
X		88.460%	0.012	M 106.000	M 112.000	0.000	TM 24160.000	TM 8090.000	TM 8203.000	3.309	± 0.000
σ		2.141%	0.006	M 1.879	M 1.167	0.000	TM 528.800	TM 175.400	TM 159.300	0.108	± 0.000
%RSD		2.420	54.140	M 1.773	M 1.042	0.000	TM 2.189	TM 2.169	TM 1.942	3.254	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:14:53	TM 8014.000	M 109000.000	TM 119200.000	98.365%	0.666	0.396	0.229	0.882	95.460	TM 3386.000
2	15:15:58	TM 8182.000	M 112400.000	TM 120600.000	97.346%	0.729	-0.109	0.168	-1.513	93.780	TM 3434.000
3	15:17:04	TM 8157.000	M 113000.000	TM 120900.000	96.194%	0.553	0.500	0.211	-0.064	81.240	TM 3481.000
X		TM 8118.000	M 111400.000	TM 120200.000	97.302%	0.649	0.262	0.202	-0.232	90.160	TM 3434.000
σ		TM 90.360	M 2137.000	TM 929.500	1.086%	0.090	0.326	0.031	1.206	7.774	TM 47.650
%RSD		TM 1.113	M 1.918	TM 0.773	1.116	13.780	124.300	15.530	521.100	8.622	TM 1.388
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:14:53	TM 23650.000	TM 25320.000	-0.478	2.289	4.466	0.110	0.357	5.968	13.790	12.360
2	15:15:58	TM 24210.000	TM 25680.000	-0.512	2.318	4.334	0.105	0.340	5.842	14.560	12.470
3	15:17:04	TM 24340.000	TM 25620.000	-0.513	2.319	3.541	0.073	0.329	6.086	14.820	12.990
X		TM 24070.000	TM 25540.000	-0.501	2.309	4.114	0.096	0.342	5.966	14.390	12.610
σ		TM 368.000	TM 195.300	0.020	0.017	0.500	0.020	0.014	0.122	0.537	0.339
%RSD		TM 1.529	TM 0.765	3.985	0.731	12.160	21.020	4.039	2.040	3.729	2.689
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:14:53	18.780	3.146	-0.456	0.000	0.000	0.072	TM 1015.000	99.089%	0.752	0.725
2	15:15:58	18.910	2.299	-0.471	0.000	0.000	0.093	TM 1025.000	99.708%	0.755	0.847
3	15:17:04	19.340	2.447	-0.371	0.000	0.000	0.073	TM 1038.000	96.931%	0.911	0.865
X		19.010	2.631	-0.433	0.000	0.000	0.079	TM 1026.000	98.576%	0.806	0.812
σ		0.290	0.453	0.053	0.000	0.000	0.012	TM 11.890	1.458%	0.091	0.076
%RSD		1.525	17.200	12.360	0.000	0.000	15.220	TM 1.159	1.479	11.250	9.348
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:14:53	0.672	93.726%	-4.704	0.001	0.566	0.214	0.107	-0.273	0.046	99.032%
2	15:15:58	0.771	94.565%	-3.991	-0.001	0.518	0.184	0.107	-0.237	0.067	98.482%
3	15:17:04	0.929	91.878%	-5.225	0.005	0.589	0.066	0.111	-0.298	0.031	97.730%
X		0.790	93.390%	-4.640	0.002	0.558	0.155	0.108	-0.269	0.048	98.415%
σ		0.130	1.375%	0.619	0.003	0.037	0.078	0.002	0.031	0.018	0.654%
%RSD		16.390	1.472	13.350	188.800	6.553	50.370	1.948	11.410	37.540	0.664
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:14:53	-0.014	0.139	0.199	M 307.200	105.226%	106.589%	0.125	0.005	0.193	0.135
2	15:15:58	0.010	0.161	0.207	M 313.000	104.824%	105.388%	0.125	0.004	0.182	0.149
3	15:17:04	0.016	0.190	0.203	M 311.900	104.148%	103.785%	0.125	0.003	0.170	0.148
X		0.004	0.163	0.203	M 310.700	104.733%	105.254%	0.125	0.004	0.182	0.144
σ		0.016	0.026	0.004	M 3.113	0.544%	1.407%	0.000	0.001	0.011	0.007
%RSD		387.300	15.860	2.043	M 1.002	0.520	1.337	0.326	25.210	6.251	5.181
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	15:14:53	0.099	102.674%	0.000	0.000						
2	15:15:58	0.095	101.936%	0.000	0.000						
3	15:17:04	0.091	102.306%	0.000	0.000						
X		0.095	102.305%	0.000	0.000						
σ		0.004	0.369%	0.000	0.000						
%RSD		3.797	0.361	0.000	0.000						

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ja59191-4f 11/2/2010 15:17:30

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:18:35	85.916%	0.005	M 460.000	M 502.700	0.000	TM 485500.000	TM 48600.000	TM 47980.000	8.750	± 0.000
2	15:19:41	85.099%	0.014	M 483.100	M 537.600	0.000	TM 496800.000	TM 51510.000	TM 50670.000	9.258	± 0.000
3	15:20:46	89.902%	0.025	M 475.900	M 498.400	0.000	TM 480300.000	TM 50450.000	TM 49280.000	9.074	± 0.000
X		86.972%	0.015	M 473.000	M 512.900	0.000	TM 487500.000	TM 50190.000	TM 49310.000	9.027	± 0.000
σ		2.570%	0.010	M 11.830	M 21.510	0.000	TM 8473.000	TM 1469.000	TM 1345.000	0.257	± 0.000
%RSD		2.955	66.760	M 2.502	M 4.194	0.000	TM 1.738	TM 2.928	TM 2.728	2.849	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:18:35	TM 19800.000	M 125100.000	TM 136900.000	106.464%	1.332	0.790	11.080	11.680	106.300	TM 527.300
2	15:19:41	TM 20560.000	M 129400.000	TM 139700.000	110.198%	1.238	0.471	11.640	10.990	145.100	TM 541.200
3	15:20:46	TM 20490.000	M 129000.000	TM 137500.000	113.594%	1.093	0.147	11.210	9.977	164.400	TM 538.300
X		TM 20280.000	M 127800.000	TM 138000.000	110.085%	1.221	0.469	11.310	10.880	138.600	TM 535.600
σ		TM 415.500	M 2332.000	TM 1485.000	3.566%	0.121	0.322	0.292	0.857	29.590	TM 7.292
%RSD		TM 2.049	M 1.824	TM 1.076	3.240	9.880	68.550	2.583	7.874	21.350	TM 1.362
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:18:35	TM 2864.000	M 3032.000	-0.587	21.950	65.600	3.458	0.590	M 205.000	M 201.700	M 208.500
2	15:19:41	TM 2954.000	M 3170.000	-0.601	22.560	82.040	4.272	0.599	M 212.700	M 209.700	M 218.100
3	15:20:46	TM 2925.000	M 3128.000	-0.594	22.260	81.000	4.098	0.560	M 210.000	M 208.700	M 215.000
X		TM 2914.000	M 3110.000	-0.594	22.260	76.210	3.943	0.583	M 209.200	M 206.700	M 213.900
σ		TM 46.180	M 70.710	0.007	0.305	9.208	0.429	0.021	M 3.909	M 4.328	M 4.891
%RSD		TM 1.584	M 2.274	1.192	1.370	12.080	10.870	3.517	M 1.868	M 2.094	M 2.287
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:18:35	1.831	4.146	-0.162	0.000	0.000	-0.177	TM 1069.000	103.909%	4.524	4.792
2	15:19:41	1.848	6.321	0.086	0.000	0.000	-0.861	TM 1115.000	106.431%	5.423	5.600
3	15:20:46	1.758	7.666	0.046	0.000	0.000	-0.667	TM 1084.000	110.349%	5.546	5.606
X		1.812	6.044	-0.010	0.000	0.000	-0.568	TM 1089.000	106.896%	5.164	5.333
σ		0.048	1.776	0.133	0.000	0.000	0.353	TM 23.790	3.245%	0.558	0.468
%RSD		2.651	29.380	1329.000	0.000	0.000	62.110	TM 2.184	3.036	10.800	8.774
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:18:35	4.523	91.537%	-5.632	0.006	0.621	0.156	0.106	-0.315	0.019	99.659%
2	15:19:41	5.429	92.288%	-5.433	0.000	0.631	0.483	0.109	-0.326	0.017	99.996%
3	15:20:46	5.858	94.252%	-5.456	0.000	0.623	0.356	0.107	-0.309	0.022	103.446%
X		5.270	92.692%	-5.507	0.002	0.625	0.332	0.107	-0.317	0.019	101.034%
σ		0.682	1.402%	0.109	0.003	0.006	0.165	0.002	0.008	0.002	2.096%
%RSD		12.940	1.512	1.977	162.300	0.924	49.680	1.533	2.645	10.930	2.075
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:18:35	0.021	0.169	0.259	M 364.900	107.677%	109.371%	0.123	0.001	0.371	0.325
2	15:19:41	0.010	0.189	0.255	M 382.500	110.061%	109.829%	0.124	0.002	0.415	0.351
3	15:20:46	0.051	0.235	0.293	M 377.100	112.067%	112.984%	0.120	0.002	0.375	0.342
X		0.027	0.197	0.269	M 374.800	109.935%	110.728%	0.122	0.002	0.387	0.339
σ		0.021	0.034	0.021	M 8.998	2.198%	1.967%	0.002	0.001	0.024	0.013
%RSD		77.960	17.050	7.734	M 2.401	1.999	1.777	1.460	31.820	6.251	3.792
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	15:18:35	0.284	94.105%	0.000	0.000						
2	15:19:41	0.317	94.414%	0.000	0.000						
3	15:20:46	0.294	96.948%	0.000	0.000						
X		0.298	95.155%	0.000	0.000						
σ		0.017	1.560%	0.000	0.000						
%RSD		5.648	1.639	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:22:17	90.136%	0.012	M 331.800	M 347.000	0.000	TM 77270.000	TM 33520.000	TM 33130.000	6.301	± 0.000
2	15:23:23	82.709%	0.015	M 362.000	M 362.400	0.000	TM 81550.000	TM 35920.000	TM 36220.000	6.973	± 0.000
3	15:24:28	89.383%	0.004	M 359.700	M 375.000	0.000	TM 79610.000	TM 35820.000	TM 35410.000	6.704	± 0.000
X		87.409%	0.011	M 351.200	M 361.500	0.000	TM 79480.000	TM 35090.000	TM 34920.000	6.659	± 0.000
σ		4.088%	0.005	M 16.850	M 14.040	0.000	TM 2142.000	TM 1360.000	TM 1606.000	0.338	± 0.000
%RSD		4.676	52.030	M 4.798	M 3.885	0.000	TM 2.696	TM 3.876	TM 4.600	5.075	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:22:17	TM 10060.000	M 119900.000	TM 129700.000	110.902%	0.905	1.677	3.305	3.703	162.500	TM 874.200
2	15:23:23	TM 10450.000	M 127300.000	TM 133900.000	103.337%	1.142	1.570	3.432	2.822	185.800	TM 914.700
3	15:24:28	TM 10410.000	M 128100.000	TM 136700.000	108.790%	0.963	1.845	3.687	3.840	192.000	TM 931.600
X		TM 10310.000	M 125100.000	TM 133400.000	107.676%	1.003	1.697	3.474	3.455	180.100	TM 906.900
σ		TM 216.700	M 4501.000	TM 3524.000	3.903%	0.124	0.139	0.194	0.552	15.550	TM 29.520
%RSD		TM 2.103	M 3.597	TM 2.641	3.625	12.340	8.184	5.596	15.980	8.632	TM 3.255
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:22:17	TM 3917.000	M 4197.000	0.984	7.608	15.520	1.079	0.940	6.332	10.980	9.216
2	15:23:23	TM 4140.000	M 4308.000	1.042	8.272	9.818	0.970	0.994	6.241	10.820	9.882
3	15:24:28	TM 4209.000	M 4408.000	1.097	7.895	9.409	0.906	1.000	6.472	10.790	9.673
X		TM 4089.000	M 4304.000	1.041	7.925	11.580	0.985	0.978	6.348	10.860	9.590
σ		TM 152.900	M 105.500	0.056	0.333	3.416	0.088	0.033	0.116	0.102	0.341
%RSD		TM 3.740	M 2.451	5.423	4.201	29.500	8.918	3.363	1.832	0.941	3.552
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:22:17	4.155	7.665	-0.193	0.000	0.000	-0.023	TM 873.700	110.050%	10.550	10.490
2	15:23:23	4.642	8.527	-0.110	0.000	0.000	0.142	TM 913.700	104.791%	11.290	11.100
3	15:24:28	4.674	9.542	-0.412	0.000	0.000	0.215	TM 924.200	107.332%	11.730	11.820
X		4.490	8.578	-0.238	0.000	0.000	0.111	TM 903.900	107.391%	11.190	11.140
σ		0.291	0.939	0.156	0.000	0.000	0.122	TM 26.630	2.630%	0.599	0.661
%RSD		6.478	10.950	65.420	0.000	0.000	109.800	TM 2.947	2.449	5.354	5.939
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:22:17	10.500	99.816%	-3.937	0.002	0.508	0.120	0.107	-0.214	0.087	106.528%
2	15:23:23	11.580	94.053%	-4.284	0.002	0.548	0.360	0.112	-0.248	0.057	100.311%
3	15:24:28	11.830	95.426%	-4.286	0.001	0.538	0.238	0.110	-0.255	0.077	103.016%
X		11.300	96.432%	-4.169	0.002	0.531	0.239	0.110	-0.239	0.074	103.285%
σ		0.708	3.011%	0.201	0.001	0.021	0.120	0.003	0.022	0.015	3.117%
%RSD		6.264	3.122	4.818	37.590	3.967	50.260	2.344	9.354	20.720	3.018
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:22:17	-0.003	0.350	0.410	M 162.300	115.178%	113.758%	0.122	0.002	0.293	0.227
2	15:23:23	0.015	0.379	0.428	M 172.800	109.149%	109.946%	0.121	0.006	0.307	0.257
3	15:24:28	0.027	0.389	0.423	M 177.400	109.837%	112.444%	0.123	0.002	0.278	0.236
X		0.013	0.372	0.421	M 170.800	111.388%	112.049%	0.122	0.004	0.293	0.240
σ		0.015	0.021	0.009	M 7.759	3.300%	1.937%	0.001	0.002	0.014	0.016
%RSD		118.200	5.517	2.189	M 4.542	2.963	1.728	0.613	64.780	4.926	6.594
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	15:22:17	0.189	106.301%	0.000	0.000						
2	15:23:23	0.200	102.697%	0.000	0.000						
3	15:24:28	0.194	103.870%	0.000	0.000						
X		0.194	104.289%	0.000	0.000						
σ		0.006	1.839%	0.000	0.000						
%RSD		2.848	1.763	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:26:01	102.589%	47.370	64.810	66.100	0.000	1695.400	595.300	593.000	1522.900	10.000
2	15:27:06	95.299%	49.550	63.340	66.520	0.000	1575.500	563.500	546.400	1565.600	10.000
3	15:28:11	97.336%	48.630	59.110	63.090	0.000	1522.200	506.500	518.700	1534.600	10.000
x		98.408%	48.510	62.420	65.240	0.000	1597.700	555.100	552.700	1541.000	10.000
σ		3.762%	1.094	2.956	1.872	0.000	188.730	45.020	37.560	122.060	10.000
%RSD		3.822	2.255	4.735	2.869	0.000	14.850	8.110	6.797	14.077	10.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:26:01	501.500	834.400	832.100	108.408%	47.800	47.760	48.390	47.950	253.000	50.360
2	15:27:06	519.600	582.000	584.700	102.799%	50.630	51.050	50.710	51.220	242.500	50.740
3	15:28:11	495.900	551.400	529.200	102.637%	49.340	49.600	49.660	48.650	217.500	48.990
x		505.600	655.900	648.700	104.614%	49.260	49.470	49.590	49.270	237.700	50.030
σ		12.400	155.300	161.300	3.286%	1.418	1.651	1.162	1.722	18.220	0.920
%RSD		2.452	23.680	24.860	3.141	2.878	3.337	2.344	3.495	7.666	1.839
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:26:01	1520.000	534.100	48.770	48.060	48.610	48.090	48.050	47.370	46.070	47.400
2	15:27:06	1542.800	549.800	51.710	50.970	49.230	51.780	50.780	49.900	47.980	49.150
3	15:28:11	1525.700	530.500	50.590	49.620	48.950	50.220	48.920	48.110	49.000	48.370
x		1529.500	538.100	50.360	49.550	48.930	50.030	49.250	48.460	47.680	48.310
σ		11.870	10.230	1.485	1.452	0.311	1.855	1.396	1.302	1.486	0.874
%RSD		1.241	1.902	2.949	2.929	0.635	3.708	2.834	2.686	3.117	1.810
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:26:01	47.380	52.650	47.870	0.000	0.000	48.970	51.110	110.763%	48.280	47.810
2	15:27:06	49.310	54.710	50.480	0.000	0.000	50.520	51.370	107.344%	50.270	50.220
3	15:28:11	48.180	52.980	49.530	0.000	0.000	49.660	49.500	105.787%	49.970	50.020
x		48.290	53.450	49.290	0.000	0.000	49.720	50.660	107.964%	49.510	49.350
σ		0.970	1.103	1.323	0.000	0.000	0.780	1.015	2.545%	1.074	1.337
%RSD		2.009	2.063	2.684	0.000	0.000	1.569	2.003	2.358	2.170	2.708
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:26:01	48.010	108.948%	47.660	49.220	0.611	49.410	48.150	48.500	47.220	111.736%
2	15:27:06	50.850	106.418%	52.250	50.440	0.403	50.870	49.940	50.420	49.830	107.652%
3	15:28:11	49.470	103.066%	50.870	49.860	0.519	51.050	49.310	49.920	49.540	106.555%
x		49.450	106.144%	50.260	49.840	0.511	50.440	49.130	49.610	48.860	108.648%
σ		1.421	2.951%	2.354	0.606	0.105	0.900	0.909	0.997	1.428	2.730%
%RSD		2.873	2.780	4.684	1.216	20.460	1.783	1.850	2.010	2.923	2.513
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:26:01	48.310	47.190	46.970	48.670	116.749%	117.420%	49.030	49.010	48.540	48.870
2	15:27:06	50.010	49.530	49.770	50.100	113.008%	112.912%	51.430	50.720	51.220	51.600
3	15:28:11	48.620	48.410	49.040	48.850	110.685%	112.336%	49.810	49.570	49.760	49.880
x		48.980	48.380	48.590	49.210	113.480%	114.223%	50.090	49.770	49.840	50.120
σ		0.907	1.166	1.451	0.779	3.060%	2.784%	1.222	0.875	1.340	1.380
%RSD		1.852	2.411	2.986	1.582	2.696	2.437	2.439	1.757	2.689	2.753
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	15:26:01	48.370	121.281%	0.000	0.000						
2	15:27:06	50.750	117.120%	0.000	0.000						
3	15:28:11	49.350	115.826%	0.000	0.000						
x		49.490	118.076%	0.000	0.000						
σ		1.197	2.850%	0.000	0.000						
%RSD		2.418	2.414	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:29:42	96.812%	0.030	10.420	11.160	0.000	4.925	1.312	1.860	-0.057	±0.000
2	15:30:48	97.420%	0.003	9.977	9.285	0.000	-2.496	-0.320	0.054	-1.116	±0.000
3	15:31:53	94.974%	0.003	8.506	9.035	0.000	-1.663	-0.372	0.017	-0.865	±0.000
x		96.402%	0.012	9.634	9.827	0.000	0.256	0.207	0.644	-0.679	±0.000
σ		1.274%	0.015	1.002	1.161	0.000	4.065	0.958	1.053	0.553	±0.000
%RSD		1.321	128.000	10.400	11.820	0.000	1591.000	463.000	163.700	81.440	±0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:29:42	-1.477	-18.490	-11.630	100.876%	-0.116	0.073	0.252	0.122	218.400	0.122
2	15:30:48	-1.307	-25.150	-17.430	98.659%	-0.167	-0.120	0.216	0.467	228.100	0.054
3	15:31:53	-1.710	-27.530	-17.490	99.412%	-0.137	-0.146	0.174	0.720	229.800	0.058
x		-1.498	-23.720	-15.520	99.649%	-0.140	-0.064	0.214	0.436	225.400	0.078
σ		0.202	4.681	3.365	1.127%	0.025	0.120	0.039	0.300	6.149	0.038
%RSD		13.480	19.730	21.680	1.131	18.180	185.700	18.250	68.790	2.728	49.140
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:29:42	-0.103	-1.506	0.054	0.070	0.227	-0.241	-0.047	-0.772	-1.069	-1.508
2	15:30:48	0.815	-2.227	-0.018	0.041	0.261	-0.288	-0.078	-0.795	-1.087	-1.514
3	15:31:53	2.163	-1.880	-0.009	0.043	0.194	-0.255	-0.093	-0.760	-1.102	-1.473
x		0.959	-1.871	0.009	0.051	0.227	-0.261	-0.073	-0.776	-1.086	-1.498
σ		1.140	0.361	0.039	0.016	0.034	0.024	0.024	0.018	0.017	0.022
%RSD		118.900	19.280	424.400	31.630	14.820	9.108	32.250	2.286	1.529	1.458
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:29:42	-0.125	4.892	-0.166	0.000	0.000	0.119	0.080	107.152%	0.938	0.935
2	15:30:48	-0.143	5.752	-0.213	0.000	0.000	0.131	0.015	104.502%	0.645	0.636
3	15:31:53	-0.176	6.120	-0.188	0.000	0.000	0.096	0.011	104.032%	0.637	0.651
x		-0.148	5.588	-0.189	0.000	0.000	0.115	0.036	105.229%	0.740	0.741
σ		0.026	0.630	0.024	0.000	0.000	0.017	0.039	1.682%	0.172	0.169
%RSD		17.700	11.270	12.590	0.000	0.000	15.150	109.500	1.599	23.230	22.740
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:29:42	0.871	106.357%	-0.395	0.051	0.276	0.142	0.151	-0.004	0.237	108.397%
2	15:30:48	0.639	102.718%	-0.920	0.025	0.305	0.064	0.133	-0.060	0.188	105.461%
3	15:31:53	0.625	102.624%	-0.310	0.031	0.265	0.064	0.136	-0.023	0.208	105.503%
x		0.712	103.900%	-0.542	0.036	0.282	0.090	0.140	-0.029	0.211	106.454%
σ		0.138	2.129%	0.331	0.014	0.021	0.045	0.010	0.028	0.025	1.683%
%RSD		19.440	2.049	61.010	38.100	7.443	50.500	6.920	97.440	11.640	1.581
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:29:42	0.367	1.406	1.471	0.039	110.843%	111.254%	0.196	0.074	0.117	0.086
2	15:30:48	0.512	1.245	1.259	-0.007	108.561%	108.038%	0.146	0.033	0.087	0.043
3	15:31:53	0.658	1.290	1.396	-0.017	109.095%	108.303%	0.148	0.029	0.080	0.038
x		0.512	1.314	1.375	0.005	109.499%	109.198%	0.163	0.046	0.094	0.056
σ		0.145	0.083	0.108	0.030	1.194%	1.785%	0.028	0.025	0.019	0.026
%RSD		28.400	6.313	7.827	594.700	1.090	1.635	17.290	54.420	20.610	47.190
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	15:29:42	0.033	114.845%	0.000	0.000						
2	15:30:48	-0.002	111.522%	0.000	0.000						
3	15:31:53	-0.006	111.506%	0.000	0.000						
x		0.008	112.625%	0.000	0.000						
σ		0.022	1.923%	0.000	0.000						
%RSD		264.400	1.707	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:49:21	100.953%	-0.005	4.450	4.195	0.000	-8.055	-1.261	-0.777	-1.217	±0.000
2	15:50:27	98.690%	0.003	4.095	4.201	0.000	-8.420	-1.268	-0.854	-1.241	±0.000
3	15:51:32	93.071%	0.004	4.055	4.444	0.000	-8.171	-1.295	-0.831	-1.224	±0.000
x		97.571%	0.000	4.200	4.280	0.000	-8.215	-1.275	-0.820	-1.228	±0.000
σ		4.058%	0.005	0.217	0.142	0.000	0.186	0.018	0.039	0.012	±0.000
%RSD		4.159	1092.000	5.171	3.321	0.000	2.269	1.389	4.803	1.007	±0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:49:21	-2.617	-29.220	-20.990	99.868%	-0.175	0.055	0.189	0.406	216.800	0.225
2	15:50:27	-2.525	-30.500	-21.970	99.068%	0.093	-0.280	0.190	-1.265	218.900	0.220
3	15:51:32	-1.784	-33.150	-21.580	98.894%	-0.151	-0.040	0.155	0.609	210.700	0.216
x		-2.309	-30.960	-21.510	99.277%	-0.078	-0.089	0.178	-0.083	215.500	0.221
σ		0.457	2.001	0.493	0.520%	0.148	0.173	0.020	1.028	4.268	0.005
%RSD		19.780	6.463	2.292	0.524	190.300	195.100	11.050	1235.000	1.981	2.065
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:49:21	26.730	25.040	-0.020	0.076	0.113	-0.278	-0.067	-0.860	-1.307	-1.581
2	15:50:27	26.990	26.110	-0.017	0.051	0.196	-0.284	-0.063	-0.817	-1.304	-1.600
3	15:51:32	27.290	26.060	-0.022	0.055	0.214	-0.267	-0.083	-0.818	-1.194	-1.621
x		27.000	25.740	-0.020	0.060	0.174	-0.277	-0.071	-0.832	-1.268	-1.600
σ		0.279	0.603	0.002	0.013	0.054	0.009	0.011	0.025	0.064	0.020
%RSD		1.035	2.342	10.720	21.990	30.950	3.204	15.260	2.987	5.064	1.245
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:49:21	-0.190	6.837	-0.257	0.000	0.000	0.016	-0.017	105.200%	-0.345	-0.239
2	15:50:27	-0.101	6.758	-0.150	0.000	0.000	-0.083	-0.018	102.340%	-0.127	-0.138
3	15:51:32	-0.054	6.702	-0.025	0.000	0.000	-0.086	-0.020	99.444%	0.048	0.018
x		-0.115	6.766	-0.144	0.000	0.000	-0.051	-0.018	102.328%	-0.141	-0.120
σ		0.069	0.068	0.116	0.000	0.000	0.058	0.002	2.878%	0.197	0.130
%RSD		60.210	1.003	80.750	0.000	0.000	114.600	9.482	2.812	139.700	108.400
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:49:21	-0.379	103.151%	-1.217	0.003	0.328	0.091	0.111	-0.079	0.172	104.860%
2	15:50:27	-0.145	100.963%	-0.402	0.002	0.269	0.036	0.110	-0.018	0.207	103.133%
3	15:51:32	0.107	100.297%	-0.057	0.001	0.246	0.036	0.112	-0.003	0.224	102.646%
x		-0.139	101.470%	-0.559	0.002	0.281	0.055	0.111	-0.033	0.201	103.546%
σ		0.243	1.493%	0.596	0.001	0.042	0.032	0.001	0.040	0.027	1.164%
%RSD		175.300	1.472	106.500	37.340	15.000	57.870	0.764	121.400	13.230	1.124
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:49:21	0.003	0.118	0.157	-0.031	106.776%	105.932%	0.120	-0.001	0.072	0.042
2	15:50:27	0.055	0.183	0.240	-0.037	103.331%	101.920%	0.117	-0.002	0.068	0.039
3	15:51:32	0.131	0.256	0.274	-0.028	102.674%	104.641%	0.117	-0.002	0.072	0.037
x		0.063	0.186	0.224	-0.032	104.260%	104.164%	0.118	-0.002	0.071	0.039
σ		0.064	0.069	0.060	0.005	2.203%	2.048%	0.001	0.000	0.002	0.002
%RSD		102.800	37.350	26.810	14.540	2.113	1.966	1.091	25.130	3.198	5.821
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	15:49:21	-0.011	108.324%	0.000	0.000						
2	15:50:27	-0.012	105.229%	0.000	0.000						
3	15:51:32	-0.012	107.278%	0.000	0.000						
x		-0.012	106.944%	0.000	0.000						
σ		0.001	1.574%	0.000	0.000						
%RSD		8.072	1.472	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:53:03	98.853%	93.180	4.173	4.155	0.000	408.200	480.600	490.200	514.000	0.000
2	15:54:08	98.076%	92.710	3.804	3.888	0.000	509.700	485.600	492.700	519.200	0.000
3	15:55:14	97.889%	92.600	4.106	3.594	0.000	488.100	496.200	486.800	515.000	0.000
x		98.272%	92.830	4.028	3.879	0.000	468.700	487.500	489.900	516.100	0.000
σ		0.511%	0.310	0.197	0.281	0.000	53.450	7.979	2.940	2.780	0.000
%RSD		0.520	0.334	4.880	7.234	0.000	11.410	1.637	0.600	0.539	0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:53:03	469.600	479.100	470.000	100.125%	-0.168	97.050	96.450	96.520	198.200	96.160
2	15:54:08	478.300	472.500	483.300	97.655%	-0.143	98.500	99.550	95.070	190.000	99.780
3	15:55:14	481.600	470.700	490.800	96.037%	-0.164	99.140	99.560	101.900	167.900	99.640
x		476.500	474.100	481.400	97.939%	-0.158	98.230	98.520	97.820	185.300	98.530
σ		6.225	4.429	10.570	2.059%	0.014	1.073	1.789	3.574	15.690	2.049
%RSD		1.306	0.934	2.196	2.102	8.679	1.092	1.816	3.654	8.464	2.079
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:53:03	499.400	503.800	99.310	95.770	93.070	99.360	96.000	94.450	95.700	94.790
2	15:54:08	518.800	511.400	103.000	99.610	96.450	100.900	96.730	97.280	98.020	96.800
3	15:55:14	508.600	512.500	99.180	97.880	95.850	98.170	96.690	94.350	94.910	97.390
x		508.900	509.200	100.500	97.760	95.120	99.490	96.470	95.360	96.210	96.330
σ		9.710	4.733	2.156	1.921	1.803	1.393	0.410	1.663	1.617	1.366
%RSD		1.908	0.929	2.145	1.966	1.896	1.400	0.425	1.744	1.681	1.418
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:53:03	95.230	196.900	189.800	0.000	0.000	189.900	0.006	103.694%	-0.535	-0.470
2	15:54:08	98.200	198.000	196.100	0.000	0.000	194.700	0.006	101.119%	-0.406	-0.369
3	15:55:14	97.750	201.900	196.700	0.000	0.000	196.200	0.000	99.771%	-0.223	-0.116
x		97.060	198.900	194.200	0.000	0.000	193.600	0.004	101.528%	-0.388	-0.318
σ		1.599	2.657	3.786	0.000	0.000	3.252	0.003	1.993%	0.157	0.183
%RSD		1.648	1.336	1.949	0.000	0.000	1.680	82.440	1.963	40.440	57.410
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:53:03	-0.510	104.159%	96.160	96.630	0.509	93.320	94.390	96.620	93.480	104.474%
2	15:54:08	-0.403	99.164%	100.800	96.920	0.510	97.230	97.510	97.560	96.530	102.068%
3	15:55:14	-0.256	99.352%	100.100	96.590	0.391	95.000	95.940	96.310	96.150	102.053%
x		-0.389	100.892%	99.010	96.720	0.470	95.180	95.940	96.830	95.390	102.865%
σ		0.128	2.831%	2.484	0.182	0.068	1.963	1.560	0.649	1.658	1.393%
%RSD		32.780	2.806	2.509	0.188	14.480	2.062	1.626	0.670	1.739	1.354
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:53:03	0.012	97.380	97.470	94.750	107.364%	108.391%	96.140	98.030	96.730	97.420
2	15:54:08	0.012	101.200	100.100	95.240	105.400%	106.158%	98.520	100.300	99.480	98.960
3	15:55:14	0.038	99.290	99.170	96.140	104.886%	105.578%	97.840	98.970	97.360	97.370
x		0.021	99.280	98.920	95.380	105.883%	106.709%	97.500	99.100	97.860	97.920
σ		0.015	1.888	1.342	0.703	1.308%	1.485%	1.226	1.144	1.442	0.901
%RSD		73.140	1.902	1.356	0.738	1.235	1.392	1.257	1.154	1.474	0.920
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	15:53:03	96.670	109.961%	0.000	0.000						
2	15:54:08	98.550	108.402%	0.000	0.000						
3	15:55:14	97.100	108.268%	0.000	0.000						
x		97.440	108.877%	0.000	0.000						
σ		0.988	0.941%	0.000	0.000						
%RSD		1.013	0.864	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:56:45	90.230%	0.029	54.460	56.310	0.000	TM 9599.000	TM 14470.000	TM 14930.000	0.516	± 0.000
2	15:57:51	91.685%	0.004	58.510	58.120	0.000	TM 10030.000	TM 14740.000	TM 14860.000	0.595	± 0.000
3	15:58:56	91.137%	0.020	59.030	62.870	0.000	TM 10220.000	TM 15440.000	TM 15520.000	0.634	± 0.000
X		91.017%	0.018	57.340	59.100	0.000	TM 9949.000	TM 14880.000	TM 15100.000	0.582	± 0.000
σ		0.735%	0.013	2.501	3.388	0.000	TM 317.300	TM 499.200	TM 362.200	0.060	± 0.000
%RSD		0.807	71.430	4.362	5.733	0.000	TM 3.189	TM 3.354	TM 2.398	10.320	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:56:45	641.200	M 44560.000	TM 48730.000	96.872%	0.594	2.499	0.090	-0.456	98.140	0.666
2	15:57:51	657.200	M 43500.000	TM 48140.000	100.741%	0.329	2.340	0.062	-0.420	111.700	0.623
3	15:58:56	678.800	M 45240.000	TM 49640.000	100.928%	0.462	2.424	0.090	0.251	123.700	0.653
X		659.100	M 44430.000	TM 48830.000	99.514%	0.462	2.421	0.081	-0.208	111.200	0.648
σ		18.900	M 874.700	TM 755.900	2.290%	0.133	0.080	0.016	0.398	12.810	0.022
%RSD		2.868	M 1.969	TM 1.548	2.301	28.780	3.291	19.740	191.200	11.520	3.404
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:56:45	5.781	65.520	-0.229	-0.357	0.069	11.920	11.920	47.610	54.370	54.040
2	15:57:51	4.690	65.630	-0.245	-0.370	0.089	11.610	11.570	47.810	53.690	52.950
3	15:58:56	5.761	67.210	-0.252	-0.433	0.074	11.920	12.210	49.460	54.370	54.860
X		5.411	66.120	-0.242	-0.386	0.077	11.820	11.900	48.300	54.140	53.950
σ		0.624	0.948	0.012	0.041	0.010	0.182	0.321	1.015	0.391	0.958
%RSD		11.540	1.433	4.849	10.590	13.280	1.541	2.696	2.102	0.721	1.775
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:56:45	5.841	-1.232	0.564	0.000	0.000	0.901	TM 654.200	97.121%	1.304	1.327
2	15:57:51	5.747	-1.317	0.205	0.000	0.000	0.591	TM 655.600	100.829%	1.565	1.566
3	15:58:56	5.941	-0.781	0.163	0.000	0.000	0.586	TM 652.300	102.217%	1.771	1.737
X		5.843	-1.110	0.311	0.000	0.000	0.692	TM 654.000	100.056%	1.547	1.543
σ		0.097	0.288	0.220	0.000	0.000	0.180	TM 1.669	2.634%	0.234	0.206
%RSD		1.662	25.970	70.820	0.000	0.000	26.060	TM 0.255	2.633	15.120	13.340
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:56:45	1.300	95.347%	-1.881	0.075	0.377	0.183	0.170	-0.038	0.204	99.558%
2	15:57:51	1.568	98.027%	-2.317	0.045	0.400	0.093	0.156	-0.086	0.168	101.772%
3	15:58:56	1.837	99.192%	-2.047	0.066	0.386	0.149	0.159	-0.090	0.179	102.988%
X		1.568	97.522%	-2.082	0.062	0.388	0.142	0.162	-0.071	0.184	101.439%
σ		0.269	1.972%	0.220	0.015	0.012	0.045	0.008	0.029	0.018	1.739%
%RSD		17.130	2.022	10.560	24.790	2.981	31.810	4.743	40.530	9.975	1.714
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:56:45	-0.041	0.719	0.773	M 244.300	104.790%	104.952%	0.458	0.343	0.458	0.424
2	15:57:51	-0.034	0.764	0.785	M 250.600	107.622%	108.260%	0.283	0.157	0.435	0.392
3	15:58:56	-0.010	0.807	0.845	M 249.800	108.859%	109.541%	0.258	0.136	0.453	0.392
X		-0.029	0.763	0.801	M 248.200	107.090%	107.584%	0.333	0.212	0.449	0.403
σ		0.016	0.044	0.039	M 3.441	2.086%	2.368%	0.109	0.114	0.012	0.018
%RSD		57.700	5.794	4.809	M 1.386	1.948	2.201	32.640	53.850	2.661	4.581
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	15:56:45	0.369	103.487%	0.000	0.000						
2	15:57:51	0.348	107.026%	0.000	0.000						
3	15:58:56	0.344	108.156%	0.000	0.000						
X		0.354	106.223%	0.000	0.000						
σ		0.014	2.436%	0.000	0.000						
%RSD		3.852	2.293	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:00:27	98.747%	0.006	35.390	35.590	0.000	<u>TM 29310.000</u>	<u>M 3994.000</u>	<u>M 3930.000</u>	6.614	<u>T 0.000</u>
2	16:01:32	94.167%	-0.000	35.030	35.790	0.000	<u>TM 29480.000</u>	<u>M 4025.000</u>	<u>M 4121.000</u>	6.775	<u>T 0.000</u>
3	16:02:37	96.065%	0.007	35.550	34.330	0.000	<u>TM 29570.000</u>	<u>M 3887.000</u>	<u>M 4069.000</u>	6.564	<u>T 0.000</u>
X		<u>96.327%</u>	<u>0.004</u>	<u>35.320</u>	<u>35.240</u>	<u>0.000</u>	<u>TM 29450.000</u>	<u>M 3969.000</u>	<u>M 4040.000</u>	<u>6.651</u>	<u>T 0.000</u>
σ		<u>2.301%</u>	<u>0.004</u>	<u>0.267</u>	<u>0.791</u>	<u>0.000</u>	<u>TM 132.600</u>	<u>M 72.500</u>	<u>M 98.630</u>	<u>0.110</u>	<u>T 0.000</u>
%RSD		<u>2.389</u>	<u>95.500</u>	<u>0.756</u>	<u>2.245</u>	<u>0.000</u>	<u>TM 0.450</u>	<u>M 1.827</u>	<u>M 2.441</u>	<u>1.653</u>	<u>T 0.000</u>
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:00:27	<u>TM 2990.000</u>	<u>M 20830.000</u>	<u>TM 22630.000</u>	103.899%	0.435	-0.033	0.019	-0.549	150.200	4.469
2	16:01:32	<u>TM 3102.000</u>	<u>M 21290.000</u>	<u>TM 23580.000</u>	100.075%	0.445	-0.019	0.069	-0.511	153.100	4.671
3	16:02:37	<u>TM 3050.000</u>	<u>M 21810.000</u>	<u>TM 23030.000</u>	98.791%	0.369	0.002	0.036	-0.300	155.900	4.654
X		<u>TM 3047.000</u>	<u>M 21310.000</u>	<u>TM 23080.000</u>	<u>100.922%</u>	<u>0.416</u>	<u>-0.017</u>	<u>0.041</u>	<u>-0.453</u>	<u>153.100</u>	<u>4.598</u>
σ		<u>TM 55.860</u>	<u>M 490.700</u>	<u>TM 477.000</u>	<u>2.657%</u>	<u>0.041</u>	<u>0.018</u>	<u>0.026</u>	<u>0.134</u>	<u>2.857</u>	<u>0.112</u>
%RSD		<u>TM 1.833</u>	<u>M 2.303</u>	<u>TM 2.067</u>	<u>2.633</u>	<u>9.875</u>	<u>106.200</u>	<u>62.160</u>	<u>29.520</u>	<u>1.866</u>	<u>2.432</u>
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:00:27	-8.162	21.520	-0.103	1.065	1.185	2.653	2.687	32.560	32.310	32.180
2	16:01:32	-6.993	21.880	-0.117	1.199	1.363	2.583	2.870	34.110	33.650	34.700
3	16:02:37	-6.783	21.740	-0.124	1.093	1.541	2.563	2.702	33.660	32.720	33.030
X		<u>-7.313</u>	<u>21.720</u>	<u>-0.115</u>	<u>1.119</u>	<u>1.363</u>	<u>2.600</u>	<u>2.753</u>	<u>33.440</u>	<u>32.890</u>	<u>33.300</u>
σ		<u>0.743</u>	<u>0.182</u>	<u>0.011</u>	<u>0.071</u>	<u>0.178</u>	<u>0.047</u>	<u>0.101</u>	<u>0.796</u>	<u>0.688</u>	<u>1.286</u>
%RSD		<u>10.160</u>	<u>0.839</u>	<u>9.240</u>	<u>6.310</u>	<u>13.060</u>	<u>1.826</u>	<u>3.685</u>	<u>2.380</u>	<u>2.091</u>	<u>3.862</u>
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:00:27	0.798	-0.297	-0.324	0.000	0.000	0.137	<u>M 105.300</u>	105.182%	-0.235	-0.041
2	16:01:32	0.858	-0.044	-0.131	0.000	0.000	0.245	<u>M 106.700</u>	102.128%	-0.043	0.007
3	16:02:37	0.925	-0.491	-0.167	0.000	0.000	0.263	<u>M 108.000</u>	103.463%	0.071	0.189
X		<u>0.860</u>	<u>-0.278</u>	<u>-0.207</u>	<u>0.000</u>	<u>0.000</u>	<u>0.215</u>	<u>M 106.700</u>	<u>103.591%</u>	<u>-0.069</u>	<u>0.052</u>
σ		<u>0.064</u>	<u>0.224</u>	<u>0.103</u>	<u>0.000</u>	<u>0.000</u>	<u>0.068</u>	<u>M 1.340</u>	<u>1.531%</u>	<u>0.155</u>	<u>0.122</u>
%RSD		<u>7.418</u>	<u>80.730</u>	<u>49.670</u>	<u>0.000</u>	<u>0.000</u>	<u>31.730</u>	<u>M 1.256</u>	<u>1.478</u>	<u>224.500</u>	<u>234.800</u>
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:00:27	-0.197	102.050%	-0.693	0.019	0.292	0.091	0.117	-0.026	0.215	104.747%
2	16:01:32	-0.075	98.029%	-0.632	0.015	0.287	0.093	0.118	-0.024	0.211	103.689%
3	16:02:37	0.097	101.849%	-0.751	0.013	0.292	0.036	0.120	-0.037	0.203	104.177%
X		<u>-0.059</u>	<u>100.642%</u>	<u>-0.692</u>	<u>0.016</u>	<u>0.290</u>	<u>0.074</u>	<u>0.118</u>	<u>-0.029</u>	<u>0.210</u>	<u>104.204%</u>
σ		<u>0.148</u>	<u>2.266%</u>	<u>0.060</u>	<u>0.003</u>	<u>0.003</u>	<u>0.032</u>	<u>0.001</u>	<u>0.007</u>	<u>0.006</u>	<u>0.530%</u>
%RSD		<u>251.800</u>	<u>2.251</u>	<u>8.620</u>	<u>20.090</u>	<u>1.071</u>	<u>43.840</u>	<u>1.024</u>	<u>23.940</u>	<u>2.999</u>	<u>0.508</u>
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:00:27	-0.036	0.315	0.365	28.130	110.295%	110.806%	0.154	0.035	0.367	0.322
2	16:01:32	-0.027	0.354	0.439	28.310	107.948%	108.423%	0.154	0.026	0.352	0.358
3	16:02:37	-0.031	0.427	0.450	28.160	108.918%	108.516%	0.139	0.021	0.340	0.294
X		<u>-0.031</u>	<u>0.365</u>	<u>0.418</u>	<u>28.200</u>	<u>109.054%</u>	<u>109.248%</u>	<u>0.149</u>	<u>0.027</u>	<u>0.353</u>	<u>0.325</u>
σ		<u>0.005</u>	<u>0.057</u>	<u>0.046</u>	<u>0.095</u>	<u>1.179%</u>	<u>1.349%</u>	<u>0.008</u>	<u>0.007</u>	<u>0.013</u>	<u>0.032</u>
%RSD		<u>14.580</u>	<u>15.580</u>	<u>11.100</u>	<u>0.335</u>	<u>1.081</u>	<u>1.235</u>	<u>5.650</u>	<u>26.210</u>	<u>3.770</u>	<u>9.874</u>
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	16:00:27	0.269	108.385%	0.000	0.000						
2	16:01:32	0.270	109.731%	0.000	0.000						
3	16:02:37	0.257	110.755%	0.000	0.000						
X		<u>0.265</u>	<u>109.624%</u>	<u>0.000</u>	<u>0.000</u>						
σ		<u>0.007</u>	<u>1.189%</u>	<u>0.000</u>	<u>0.000</u>						
%RSD		<u>2.725</u>	<u>1.084</u>	<u>0.000</u>	<u>0.000</u>						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:04:08	95.993%	0.003	33.000	35.380	0.000	TM 27490.000	M 3896.000	M 3855.000	5.804	± 0.000
2	16:05:13	89.962%	-0.004	34.420	36.090	0.000	TM 28700.000	M 4139.000	M 4084.000	6.242	± 0.000
3	16:06:19	92.739%	-0.008	32.760	35.160	0.000	TM 27830.000	M 3792.000	M 3908.000	5.715	± 0.000
X		92.898%	-0.003	33.390	35.540	0.000	TM 28010.000	M 3943.000	M 3949.000	5.920	± 0.000
σ		3.019%	0.006	0.897	0.484	0.000	TM 625.200	M 177.900	M 120.000	0.282	± 0.000
%RSD		3.249	193.600	2.685	1.361	0.000	TM 2.232	M 4.512	M 3.038	4.768	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:04:08	TM 2893.000	M 20390.000	TM 22160.000	100.469%	0.412	0.136	0.076	0.071	158.700	3.165
2	16:05:13	TM 3011.000	M 20740.000	TM 22350.000	97.869%	0.383	-0.013	0.023	-0.430	165.400	3.209
3	16:06:19	TM 2888.000	M 19690.000	TM 21360.000	101.128%	0.303	0.036	0.032	0.751	163.200	3.063
X		TM 2931.000	M 20270.000	TM 21960.000	99.822%	0.366	0.053	0.044	0.131	162.400	3.146
σ		TM 69.660	M 536.100	TM 526.500	1.723%	0.057	0.076	0.028	0.592	3.414	0.075
%RSD		TM 2.377	M 2.645	TM 2.398	1.726	15.450	142.300	64.650	453.300	2.102	2.377
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:04:08	-9.706	19.750	-0.114	1.074	1.663	1.814	1.874	22.340	21.330	22.060
2	16:05:13	-8.424	19.520	-0.117	1.057	1.670	1.802	2.032	23.320	22.880	23.340
3	16:06:19	-9.783	17.560	-0.109	1.028	1.117	1.737	1.803	21.310	21.510	21.720
X		-9.304	18.950	-0.113	1.053	1.483	1.784	1.903	22.320	21.910	22.370
σ		0.764	1.203	0.004	0.023	0.318	0.042	0.117	1.005	0.849	0.857
%RSD		8.207	6.347	3.442	2.231	21.410	2.327	6.153	4.504	3.876	3.828
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:04:08	0.873	-0.222	-0.206	0.000	0.000	0.237	M 101.700	104.321%	-0.360	-0.352
2	16:05:13	0.941	-0.155	-0.202	0.000	0.000	0.262	M 106.800	101.616%	-0.196	-0.138
3	16:06:19	0.882	-0.647	-0.280	0.000	0.000	0.217	M 102.600	104.974%	-0.003	-0.088
X		0.899	-0.341	-0.229	0.000	0.000	0.238	M 103.700	103.637%	-0.186	-0.192
σ		0.037	0.267	0.044	0.000	0.000	0.023	M 2.724	1.780%	0.179	0.140
%RSD		4.104	78.170	19.210	0.000	0.000	9.492	M 2.625	1.718	96.050	72.900
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:04:08	-0.338	100.931%	-1.245	0.005	0.324	0.036	0.109	-0.056	0.186	104.992%
2	16:05:13	-0.199	99.313%	-0.360	0.004	0.272	0.121	0.110	-0.015	0.216	101.998%
3	16:06:19	-0.028	102.988%	0.105	0.003	0.239	0.091	0.109	0.007	0.236	105.796%
X		-0.188	101.077%	-0.500	0.004	0.278	0.083	0.109	-0.021	0.213	104.262%
σ		0.155	1.842%	0.686	0.001	0.043	0.043	0.001	0.032	0.026	2.001%
%RSD		82.500	1.822	137.100	21.830	15.480	51.930	0.717	152.300	12.030	1.920
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:04:08	-0.040	0.210	0.234	28.030	110.959%	110.983%	0.129	0.011	0.407	0.364
2	16:05:13	-0.030	0.271	0.283	28.620	107.723%	108.692%	0.127	0.008	0.398	0.384
3	16:06:19	-0.027	0.236	0.309	27.610	112.826%	113.202%	0.124	0.007	0.407	0.357
X		-0.032	0.239	0.275	28.090	110.502%	110.959%	0.127	0.009	0.404	0.368
σ		0.007	0.030	0.038	0.509	2.582%	2.255%	0.002	0.002	0.005	0.014
%RSD		21.290	12.730	13.920	1.813	2.337	2.033	1.751	20.580	1.236	3.709
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	16:04:08	0.314	110.688%	0.000	0.000						
2	16:05:13	0.321	110.892%	0.000	0.000						
3	16:06:19	0.301	112.896%	0.000	0.000						
X		0.312	111.492%	0.000	0.000						
σ		0.010	1.220%	0.000	0.000						
%RSD		3.300	1.095	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:07:50	94.678%	-0.004	33.350	35.520	0.000	TM 30120.000	M 3939.000	M 3942.000	11.830	± 0.000
2	16:08:55	93.750%	0.004	35.240	37.120	0.000	TM 30670.000	M 3930.000	M 4030.000	12.090	± 0.000
3	16:10:01	92.700%	-0.000	34.190	34.730	0.000	TM 29660.000	M 3925.000	M 4002.000	11.950	± 0.000
X		93.709%	-0.000	34.260	35.790	0.000	TM 30150.000	M 3931.000	M 3991.000	11.960	± 0.000
σ		0.990%	0.004	0.946	1.217	0.000	TM 505.900	M 7.147	M 45.170	0.127	± 0.000
%RSD		1.057	1185.000	2.761	3.401	0.000	TM 1.678	M 0.182	M 1.132	1.064	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:07:50	TM 3090.000	M 21930.000	TM 24210.000	98.525%	0.694	0.136	0.085	0.615	171.700	15.170
2	16:08:55	TM 3055.000	M 22050.000	TM 24340.000	101.589%	0.569	0.017	0.096	0.478	176.700	15.040
3	16:10:01	TM 3054.000	M 22130.000	TM 24270.000	97.505%	0.579	-0.214	0.066	-0.238	184.900	15.240
X		TM 3067.000	M 22040.000	TM 24270.000	99.206%	0.614	-0.020	0.082	0.285	177.700	15.150
σ		TM 20.720	M 101.600	TM 63.090	2.126%	0.069	0.178	0.016	0.458	6.684	0.100
%RSD		TM 0.676	M 0.461	TM 0.260	2.143	11.260	884.400	18.890	160.700	3.760	0.660
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:07:50	30.510	61.230	-0.055	2.204	2.690	17.790	18.570	M 170.900	M 164.600	M 172.200
2	16:08:55	28.020	62.870	-0.063	2.380	2.598	18.210	18.380	M 169.800	M 165.100	M 171.300
3	16:10:01	28.180	58.810	-0.057	2.167	2.509	17.770	18.210	M 169.800	M 164.400	M 170.700
X		28.900	60.970	-0.058	2.250	2.599	17.930	18.390	M 170.200	M 164.700	M 171.400
σ		1.396	2.043	0.004	0.114	0.090	0.248	0.184	M 0.643	M 0.338	M 0.788
%RSD		4.829	3.351	6.792	5.060	3.473	1.385	0.999	M 0.378	M 0.205	M 0.459
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:07:50	0.863	0.132	-0.326	0.000	0.000	0.123	M 111.700	103.656%	-0.305	-0.279
2	16:08:55	0.965	-0.026	-0.309	0.000	0.000	0.228	M 114.400	104.991%	-0.191	-0.033
3	16:10:01	0.852	0.895	-0.188	0.000	0.000	0.266	M 113.100	101.977%	0.029	0.029
X		0.893	0.334	-0.274	0.000	0.000	0.205	M 113.100	103.542%	-0.155	-0.094
σ		0.062	0.493	0.075	0.000	0.000	0.074	M 1.339	1.510%	0.170	0.163
%RSD		6.982	147.500	27.320	0.000	0.000	36.070	M 1.184	1.459	109.200	172.900
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:07:50	-0.294	100.518%	-0.769	0.002	0.296	0.092	0.109	-0.034	0.213	105.433%
2	16:08:55	-0.116	100.653%	-1.084	0.002	0.315	0.064	0.109	-0.050	0.199	106.679%
3	16:10:01	0.019	98.323%	-0.299	0.005	0.267	0.121	0.111	-0.014	0.236	103.829%
X		-0.131	99.831%	-0.717	0.003	0.293	0.092	0.110	-0.032	0.216	105.313%
σ		0.157	1.308%	0.395	0.002	0.024	0.029	0.001	0.018	0.019	1.429%
%RSD		120.200	1.310	55.060	64.510	8.248	31.010	0.711	54.970	8.576	1.357
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:07:50	0.466	0.166	0.219	38.360	110.933%	111.956%	0.128	0.006	5.682	5.744
2	16:08:55	0.457	0.200	0.247	38.710	112.889%	112.964%	0.129	0.005	5.614	5.561
3	16:10:01	0.390	0.193	0.243	38.740	109.554%	110.700%	0.130	0.007	5.590	5.652
X		0.437	0.186	0.236	38.600	111.126%	111.873%	0.129	0.006	5.628	5.652
σ		0.042	0.018	0.015	0.209	1.676%	1.134%	0.001	0.001	0.048	0.092
%RSD		9.491	9.611	6.332	0.541	1.508	1.014	0.760	11.710	0.850	1.621
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	16:07:50	5.538	110.390%	0.000	0.000						
2	16:08:55	5.468	113.606%	0.000	0.000						
3	16:10:01	5.491	110.158%	0.000	0.000						
X		5.499	111.385%	0.000	0.000						
σ		0.036	1.927%	0.000	0.000						
%RSD		0.657	1.730	0.000	0.000						

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JA58929-2 11/2/2010 16:10:26

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:11:32	86.443%	0.005	M 443.900	M 461.300	0.000	TM 37120.000	TM 21080.000	TM 21430.000	1.283	± 0.000
2	16:12:37	83.201%	0.002	M 466.600	M 494.000	0.000	TM 38100.000	TM 21920.000	TM 21930.000	1.304	± 0.000
3	16:13:41	84.043%	0.023	M 459.900	M 476.400	0.000	TM 37090.000	TM 21640.000	TM 21860.000	5.171	± 0.000
X		84.562%	0.010	M 456.800	M 477.200	0.000	TM 37440.000	TM 21540.000	TM 21740.000	2.586	± 0.000
σ		1.682%	0.012	M 11.650	M 16.370	0.000	TM 571.200	TM 425.800	TM 272.300	2.239	± 0.000
%RSD		1.989	116.400	M 2.550	M 3.431	0.000	TM 1.526	TM 1.976	TM 1.252	86.560	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:11:32	TM 1096.000	M 76390.000	TM 81460.000	96.874%	0.359	1.611	-0.047	0.055	137.300	47.100
2	16:12:37	TM 1137.000	M 77770.000	TM 82920.000	95.364%	0.273	1.183	-0.042	-1.278	163.800	48.410
3	16:13:41	TM 1132.000	M 75740.000	TM 82200.000	94.809%	0.316	1.680	-0.030	0.777	168.600	46.530
X		TM 1122.000	M 76630.000	TM 82190.000	95.682%	0.316	1.491	-0.039	-0.149	156.600	47.350
σ		TM 22.480	M 1033.000	TM 727.800	1.069%	0.043	0.270	0.009	1.042	16.890	0.965
%RSD		TM 2.004	M 1.348	TM 0.886	1.117	13.550	18.070	22.340	700.800	10.790	2.038
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:11:32	-14.810	82.660	-0.350	0.121	0.819	M 134.400	M 134.100	72.100	69.240	72.670
2	16:12:37	-13.300	83.560	-0.365	0.104	1.071	M 134.800	M 133.900	73.890	69.330	74.270
3	16:13:41	-11.030	82.140	-0.260	0.188	0.894	M 129.400	M 128.600	72.820	69.980	72.380
X		-13.050	82.790	-0.325	0.138	0.928	M 132.800	M 132.200	72.940	69.510	73.110
σ		1.898	0.716	0.057	0.044	0.129	M 2.975	M 3.120	0.900	0.402	1.018
%RSD		14.550	0.865	17.430	32.290	13.940	M 2.240	M 2.360	1.233	0.579	1.392
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:11:32	23.960	0.780	0.458	0.000	0.000	0.866	TM 3968.000	99.838%	5.325	5.387
2	16:12:37	24.280	2.603	0.494	0.000	0.000	0.915	TM 4115.000	98.025%	5.537	5.985
3	16:13:41	23.730	3.772	0.438	0.000	0.000	0.904	TM 3989.000	97.995%	5.992	6.322
X		23.990	2.385	0.464	0.000	0.000	0.895	TM 4024.000	98.619%	5.618	5.898
σ		0.279	1.508	0.029	0.000	0.000	0.026	TM 79.270	1.055%	0.341	0.473
%RSD		1.162	63.240	6.156	0.000	0.000	2.866	TM 1.970	1.070	6.067	8.027
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:11:32	5.229	94.391%	-13.610	0.003	1.146	0.066	0.116	-0.755	-0.255	100.190%
2	16:12:37	5.757	93.041%	-13.870	0.003	1.169	0.155	0.115	-0.779	-0.276	99.428%
3	16:13:41	6.448	91.764%	-13.470	0.024	1.142	0.186	0.124	-0.728	-0.237	99.431%
X		5.811	93.065%	-13.650	0.010	1.152	0.136	0.118	-0.754	-0.256	99.683%
σ		0.612	1.314%	0.203	0.012	0.014	0.063	0.005	0.025	0.019	0.439%
%RSD		10.520	1.412	1.487	119.100	1.255	46.100	4.551	3.379	7.601	0.440
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:11:32	0.379	0.360	0.420	23.010	108.664%	109.389%	0.125	0.005	4.491	4.392
2	16:12:37	0.335	0.382	0.415	23.430	106.886%	106.974%	0.123	0.003	4.459	4.442
3	16:13:41	0.320	0.415	0.479	22.880	107.273%	107.729%	0.147	0.021	4.458	4.452
X		0.345	0.385	0.438	23.110	107.607%	108.031%	0.132	0.009	4.469	4.429
σ		0.031	0.028	0.035	0.288	0.935%	1.235%	0.013	0.010	0.019	0.032
%RSD		8.857	7.138	8.041	1.245	0.869	1.144	10.080	104.100	0.420	0.725
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	16:11:32	4.324	105.686%	0.000	0.000						
2	16:12:37	4.309	106.851%	0.000	0.000						
3	16:13:41	4.346	106.047%	0.000	0.000						
X		4.327	106.194%	0.000	0.000						
σ		0.019	0.596%	0.000	0.000						
%RSD		0.432	0.562	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:15:11	84.245%	0.001	49.650	51.270	0.000	TM 8499.000	TM 20070.000	TM 19860.000	-0.203	± 0.000
2	16:16:17	79.824%	0.007	44.510	45.260	0.000	TM 9040.000	TM 20610.000	TM 21060.000	-0.656	± 0.000
3	16:17:22	81.038%	-0.012	40.850	43.530	0.000	TM 8539.000	TM 20100.000	TM 20160.000	-0.448	± 0.000
X		81.702%	-0.001	45.010	46.680	0.000	TM 8693.000	TM 20260.000	TM 20360.000	-0.436	± 0.000
σ		2.284%	0.010	4.421	4.061	0.000	TM 301.600	TM 306.700	TM 626.800	0.227	± 0.000
%RSD		2.795	868.700	9.823	8.700	0.000	TM 3.469	TM 1.514	TM 3.078	52.040	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:15:11	291.700	M 34420.000	TM 37550.000	91.769%	0.583	7.957	0.386	0.097	197.800	2.386
2	16:16:17	305.400	M 34940.000	TM 38380.000	90.514%	0.644	7.759	0.344	-1.070	199.700	2.474
3	16:17:22	291.200	M 34430.000	TM 37680.000	92.609%	0.551	7.964	0.263	0.948	184.900	2.304
X		296.100	M 34600.000	TM 37870.000	91.631%	0.593	7.893	0.331	-0.008	194.100	2.388
σ		8.040	M 299.100	TM 449.700	1.054%	0.048	0.116	0.063	1.013	8.062	0.085
%RSD		2.716	M 0.865	TM 1.187	1.151	8.020	1.471	18.890	12320.000	4.154	3.558
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:15:11	24.760	69.440	-0.171	0.080	0.339	26.120	26.510	35.190	32.180	35.610
2	16:16:17	25.570	71.850	-0.194	0.112	0.592	27.350	27.530	36.200	34.230	36.290
3	16:17:22	25.130	70.050	-0.190	0.165	0.535	25.980	27.090	36.040	35.530	35.060
X		25.150	70.450	-0.185	0.119	0.489	26.480	27.040	35.810	33.980	35.650
σ		0.406	1.252	0.012	0.043	0.133	0.759	0.514	0.541	1.692	0.619
%RSD		1.613	1.777	6.713	36.010	27.170	2.866	1.901	1.510	4.979	1.737
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:15:11	0.080	3.299	-0.263	0.000	0.000	0.151	33.150	93.244%	-0.156	-0.085
2	16:16:17	0.061	2.415	-0.142	0.000	0.000	0.121	31.650	93.089%	-0.074	-0.051
3	16:17:22	-0.027	2.572	-0.113	0.000	0.000	0.087	30.660	94.443%	0.078	0.110
X		0.038	2.762	-0.172	0.000	0.000	0.120	31.820	93.592%	-0.051	-0.009
σ		0.057	0.471	0.080	0.000	0.000	0.032	1.254	0.741%	0.119	0.104
%RSD		149.300	17.070	46.260	0.000	0.000	26.770	3.940	0.792	234.000	1205.000
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:15:11	-0.053	91.341%	-0.577	0.007	0.279	0.036	0.115	0.004	0.223	96.313%
2	16:16:17	-0.066	88.823%	0.427	0.003	0.212	0.036	0.116	0.042	0.273	94.261%
3	16:17:22	0.143	90.328%	-0.350	0.001	0.268	0.098	0.111	0.006	0.240	96.109%
X		0.008	90.164%	-0.167	0.004	0.253	0.057	0.114	0.017	0.245	95.561%
σ		0.117	1.267%	0.526	0.003	0.036	0.035	0.002	0.022	0.026	1.131%
%RSD		1448.000	1.405	315.400	74.760	14.160	62.350	2.128	124.800	10.560	1.183
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:15:11	0.059	0.050	0.118	0.190	102.876%	104.960%	0.121	0.003	0.990	0.898
2	16:16:17	0.072	0.061	0.100	0.140	100.960%	100.600%	0.121	0.000	0.977	0.885
3	16:17:22	0.089	0.095	0.140	0.091	101.617%	101.437%	0.118	0.001	0.919	0.893
X		0.074	0.068	0.119	0.141	101.818%	102.332%	0.120	0.001	0.962	0.892
σ		0.015	0.023	0.020	0.049	0.973%	2.314%	0.002	0.002	0.038	0.007
%RSD		20.390	34.210	16.990	35.140	0.956	2.261	1.655	107.800	3.931	0.750
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	16:15:11	0.857	104.940%	0.000	0.000						
2	16:16:17	0.860	103.386%	0.000	0.000						
3	16:17:22	0.833	104.483%	0.000	0.000						
X		0.850	104.270%	0.000	0.000						
σ		0.014	0.798%	0.000	0.000						
%RSD		1.691	0.766	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:18:54	84.777%	-0.007	39.340	41.470	0.000	TM 8733.000	TM 20210.000	TM 20110.000	-0.737	± 0.000
2	16:19:59	87.853%	0.001	39.500	39.790	0.000	TM 8677.000	TM 19930.000	TM 20320.000	-0.183	± 0.000
3	16:21:05	81.043%	-0.007	38.610	40.330	0.000	TM 8832.000	TM 20980.000	TM 21140.000	-0.775	± 0.000
x		84.558%	-0.005	39.150	40.530	0.000	TM 8747.000	TM 20370.000	TM 20520.000	-0.565	± 0.000
σ		3.410%	0.005	0.475	0.858	0.000	TM 78.040	TM 544.900	TM 544.400	0.331	± 0.000
%RSD		4.033	99.810	1.213	2.117	0.000	TM 0.892	TM 2.674	TM 2.653	58.640	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:18:54	298.300	M 34780.000	TM 37320.000	94.789%	0.605	8.039	0.313	0.278	186.400	2.287
2	16:19:59	296.200	M 34890.000	TM 38250.000	93.715%	0.670	8.209	0.352	1.068	184.500	2.368
3	16:21:05	303.100	M 34670.000	TM 38480.000	92.853%	0.467	8.125	0.349	-0.155	196.100	2.381
x		299.200	M 34780.000	TM 38020.000	93.785%	0.581	8.124	0.338	0.397	189.000	2.345
σ		3.544	M 109.800	TM 616.000	0.970%	0.104	0.085	0.022	0.620	6.221	0.051
%RSD		1.185	M 0.316	TM 1.620	1.034	17.820	1.048	6.474	156.300	3.291	2.169
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:18:54	5.733	49.990	-0.179	-0.215	0.215	26.760	27.040	24.700	22.730	24.320
2	16:19:59	6.338	53.180	-0.185	-0.191	0.143	27.320	27.770	25.020	24.630	24.640
3	16:21:05	6.653	52.270	-0.189	-0.238	0.062	27.470	27.870	26.130	24.360	24.730
x		6.241	51.810	-0.185	-0.215	0.140	27.180	27.560	25.280	23.900	24.560
σ		0.468	1.641	0.005	0.023	0.076	0.374	0.452	0.753	1.025	0.217
%RSD		7.490	3.167	2.786	10.910	54.620	1.376	1.640	2.978	4.290	0.881
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:18:54	-0.077	2.461	-0.243	0.000	0.000	0.099	31.550	94.599%	-0.431	-0.367
2	16:19:59	0.119	1.706	-0.258	0.000	0.000	0.143	30.820	96.749%	-0.280	-0.245
3	16:21:05	-0.008	2.677	-0.246	0.000	0.000	0.186	31.700	93.601%	-0.171	-0.137
x		0.012	2.281	-0.249	0.000	0.000	0.143	31.360	94.983%	-0.294	-0.250
σ		0.099	0.510	0.008	0.000	0.000	0.043	0.470	1.609%	0.131	0.115
%RSD		862.300	22.350	3.181	0.000	0.000	30.450	1.498	1.694	44.470	46.090
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:18:54	-0.428	91.511%	-0.383	0.003	0.266	0.036	0.111	0.002	0.235	97.312%
2	16:19:59	-0.198	92.644%	-0.803	0.010	0.299	0.096	0.112	-0.024	0.213	97.345%
3	16:21:05	-0.149	90.744%	-0.389	0.005	0.269	0.067	0.114	-0.014	0.223	94.687%
x		-0.258	91.633%	-0.525	0.006	0.278	0.067	0.112	-0.012	0.223	96.448%
σ		0.149	0.956%	0.241	0.004	0.018	0.030	0.001	0.013	0.011	1.525%
%RSD		57.710	1.043	45.910	62.310	6.482	45.100	1.243	107.900	4.955	1.581
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:18:54	-0.020	0.042	0.084	0.107	104.132%	104.552%	0.120	0.000	0.283	0.256
2	16:19:59	-0.014	0.062	0.102	0.123	103.102%	104.011%	0.120	0.002	0.286	0.253
3	16:21:05	0.007	0.079	0.129	0.128	101.739%	101.681%	0.122	-0.000	0.288	0.254
x		-0.009	0.061	0.105	0.119	102.991%	103.415%	0.121	0.001	0.286	0.254
σ		0.014	0.018	0.022	0.011	1.201%	1.526%	0.001	0.001	0.002	0.001
%RSD		153.900	30.380	21.120	9.058	1.166	1.475	0.950	163.100	0.841	0.561
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	16:18:54	0.202	104.299%	0.000	0.000						
2	16:19:59	0.201	108.120%	0.000	0.000						
3	16:21:05	0.201	104.180%	0.000	0.000						
x		0.201	105.533%	0.000	0.000						
σ		0.001	2.241%	0.000	0.000						
%RSD		0.301	2.124	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:22:37	91.533%	48.340	53.700	55.150	0.000	530.000	549.900	542.700	534.500	0.000
2	16:23:42	90.629%	50.710	54.710	55.020	0.000	528.300	524.000	525.000	532.900	0.000
3	16:24:48	86.383%	52.700	57.950	58.880	0.000	556.400	540.400	544.400	557.400	0.000
x		89.515%	50.580	55.450	56.350	0.000	538.200	538.100	537.400	541.600	0.000
σ		2.750%	2.185	2.223	2.191	0.000	15.720	13.080	10.700	13.730	0.000
%RSD		3.072	4.319	4.008	3.888	0.000	2.921	2.431	1.992	2.535	0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:22:37	514.800	583.300	566.600	90.424%	50.950	49.750	49.540	49.360	402.900	49.660
2	16:23:42	510.700	533.400	514.400	93.182%	47.470	48.740	49.330	48.950	396.600	49.280
3	16:24:48	520.400	566.800	564.200	89.799%	51.150	50.320	52.170	48.650	406.300	52.150
x		515.300	561.200	548.400	91.135%	49.860	49.600	50.340	48.990	401.900	50.360
σ		4.862	25.430	29.430	1.800%	2.070	0.801	1.581	0.353	4.922	1.562
%RSD		0.944	4.532	5.367	1.975	4.152	1.615	3.141	0.720	1.225	3.101
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:22:37	537.600	531.800	49.530	48.750	48.180	48.770	49.520	49.380	49.550	48.580
2	16:23:42	535.600	530.100	50.050	48.510	48.990	48.040	48.720	48.500	47.330	47.760
3	16:24:48	558.300	555.500	50.350	50.390	52.340	50.720	49.320	51.960	51.620	50.800
x		543.800	539.100	49.970	49.220	49.840	49.180	49.190	49.950	49.500	49.050
σ		12.530	14.220	0.416	1.024	2.201	1.386	0.421	1.798	2.147	1.574
%RSD		2.303	2.638	0.832	2.080	4.416	2.819	0.857	3.599	4.338	3.208
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:22:37	48.140	62.470	49.550	0.000	0.000	49.360	49.390	100.124%	48.580	48.720
2	16:23:42	48.410	62.980	49.520	0.000	0.000	50.030	49.320	99.354%	48.370	49.400
3	16:24:48	49.530	64.760	51.000	0.000	0.000	51.340	51.420	97.757%	51.620	51.340
x		48.690	63.410	50.020	0.000	0.000	50.240	50.040	99.078%	49.520	49.820
σ		0.739	1.202	0.848	0.000	0.000	1.011	1.193	1.207%	1.821	1.356
%RSD		1.517	1.896	1.695	0.000	0.000	2.011	2.383	1.219	3.677	2.721
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:22:37	48.470	96.304%	52.430	48.660	0.292	49.230	49.130	50.780	49.230	100.928%
2	16:23:42	49.810	97.159%	48.670	49.360	0.719	51.690	48.400	50.030	48.140	101.985%
3	16:24:48	51.730	96.067%	51.910	49.570	0.505	51.790	49.710	51.300	49.690	99.575%
x		50.000	96.510%	51.000	49.190	0.505	50.910	49.080	50.700	49.020	100.829%
σ		1.637	0.574%	2.035	0.478	0.214	1.450	0.657	0.638	0.795	1.208%
%RSD		3.273	0.595	3.989	0.971	42.300	2.848	1.338	1.258	1.621	1.198
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:22:37	49.550	48.960	48.520	48.670	105.173%	105.036%	50.110	50.030	50.010	49.910
2	16:23:42	48.510	49.500	48.360	48.590	107.260%	106.497%	49.620	49.830	49.660	49.070
3	16:24:48	49.780	50.730	50.980	50.460	104.864%	103.529%	51.130	50.480	50.860	51.210
x		49.280	49.730	49.290	49.240	105.765%	105.021%	50.290	50.110	50.170	50.070
σ		0.674	0.909	1.468	1.055	1.303%	1.484%	0.769	0.333	0.618	1.077
%RSD		1.368	1.829	2.978	2.143	1.232	1.413	1.528	0.664	1.231	2.152
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	16:22:37	49.540	110.087%	0.000	0.000						
2	16:23:42	48.990	110.923%	0.000	0.000						
3	16:24:48	50.390	108.233%	0.000	0.000						
x		49.640	109.748%	0.000	0.000						
σ		0.706	1.377%	0.000	0.000						
%RSD		1.421	1.255	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:26:19	92.712%	0.056	6.749	6.563	0.000	-6.054	-0.191	0.216	-0.538	±0.000
2	16:27:24	86.969%	0.001	5.754	5.692	0.000	-6.424	-0.582	-0.203	-0.893	±0.000
3	16:28:30	92.393%	0.004	5.132	5.450	0.000	-7.897	-0.850	-0.642	-1.128	±0.000
x		90.691%	0.020	5.879	5.902	0.000	-6.791	-0.541	-0.209	-0.853	±0.000
σ		3.228%	0.031	0.816	0.585	0.000	0.975	0.331	0.429	0.297	±0.000
%RSD		3.559	152.700	13.880	9.917	0.000	14.360	61.190	204.900	34.770	±0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:26:19	-1.666	-29.080	-18.800	91.615%	-0.169	-0.082	0.600	2.004	374.900	0.056
2	16:27:24	-1.249	-28.770	-19.620	92.668%	-0.161	-0.149	0.538	1.003	376.800	0.023
3	16:28:30	-0.977	-28.700	-20.650	91.301%	-0.119	-1.128	0.515	-3.173	403.300	0.011
x		-1.298	-28.850	-19.690	91.861%	-0.149	-0.453	0.551	-0.055	385.000	0.030
σ		0.347	0.203	0.926	0.716%	0.027	0.586	0.044	2.746	15.850	0.024
%RSD		26.760	0.702	4.703	0.780	18.060	129.200	7.935	4951.000	4.118	79.550
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:26:19	-0.014	-3.066	0.017	0.068	0.231	-0.260	-0.047	-0.712	-0.846	-1.496
2	16:27:24	0.806	-1.873	-0.009	0.043	0.073	-0.282	-0.088	-0.699	-0.407	-1.470
3	16:28:30	0.819	-2.567	-0.015	0.041	0.075	-0.279	-0.083	-0.705	-0.850	-1.540
x		0.537	-2.502	-0.002	0.051	0.127	-0.274	-0.073	-0.706	-0.701	-1.502
σ		0.477	0.599	0.017	0.015	0.091	0.012	0.022	0.007	0.255	0.035
%RSD		88.830	23.930	851.100	30.410	71.630	4.443	30.800	0.935	36.310	2.359
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:26:19	0.076	12.670	-0.090	0.000	0.000	0.134	0.033	98.120%	0.765	0.804
2	16:27:24	-0.087	13.200	-0.052	0.000	0.000	0.107	0.004	98.039%	0.522	0.716
3	16:28:30	0.043	13.020	-0.064	0.000	0.000	0.078	-0.001	97.508%	0.538	0.553
x		0.011	12.960	-0.069	0.000	0.000	0.106	0.012	97.889%	0.608	0.691
σ		0.086	0.271	0.020	0.000	0.000	0.028	0.018	0.332%	0.136	0.127
%RSD		810.400	2.091	28.890	0.000	0.000	26.330	155.700	0.339	22.320	18.390
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:26:19	0.809	97.256%	0.067	0.043	0.238	0.036	0.150	0.037	0.244	98.112%
2	16:27:24	0.581	96.308%	0.394	0.035	0.219	0.094	0.132	0.022	0.243	100.198%
3	16:28:30	0.568	96.278%	-0.077	0.029	0.249	0.065	0.137	-0.003	0.225	99.059%
x		0.653	96.614%	0.128	0.036	0.236	0.065	0.140	0.019	0.237	99.123%
σ		0.136	0.556%	0.241	0.007	0.015	0.029	0.010	0.020	0.011	1.045%
%RSD		20.780	0.576	188.100	19.900	6.376	44.370	6.969	107.700	4.600	1.054
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:26:19	0.351	1.329	1.351	0.003	101.283%	104.120%	0.198	0.070	0.104	0.065
2	16:27:24	0.537	1.247	1.265	-0.030	103.060%	103.859%	0.160	0.039	0.083	0.045
3	16:28:30	0.668	1.275	1.322	-0.021	104.287%	104.003%	0.149	0.032	0.078	0.036
x		0.519	1.284	1.313	-0.016	102.877%	103.994%	0.169	0.047	0.088	0.048
σ		0.160	0.042	0.044	0.017	1.510%	0.131%	0.026	0.020	0.013	0.015
%RSD		30.790	3.267	3.331	109.200	1.468	0.126	15.210	43.740	15.220	30.570
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	16:26:19	0.020	106.546%	0.000	0.000						
2	16:27:24	-0.002	107.417%	0.000	0.000						
3	16:28:30	-0.007	107.238%	0.000	0.000						
x		0.004	107.067%	0.000	0.000						
σ		0.015	0.460%	0.000	0.000						
%RSD		412.400	0.430	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:30:01	87.240%	0.005	14.130	14.930	0.000	TM 7013.000	M 3015.000	M 2991.000	0.596	± 0.000
2	16:31:07	88.825%	0.001	14.270	13.800	0.000	TM 6898.000	M 2962.000	M 2875.000	-0.262	± 0.000
3	16:32:12	87.451%	0.005	15.260	13.970	0.000	TM 6935.000	M 3032.000	M 3017.000	-0.040	± 0.000
x		87.839%	0.004	14.560	14.230	0.000	TM 6949.000	M 3003.000	M 2961.000	0.098	± 0.000
σ		0.861%	0.003	0.618	0.609	0.000	TM 58.440	M 36.530	M 75.610	0.445	± 0.000
%RSD		0.980	74.230	4.243	4.281	0.000	TM 0.841	M 1.216	M 2.554	453.600	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:30:01	652.000	M 25660.000	TM 27650.000	92.350%	0.208	0.287	0.261	1.318	251.900	0.246
2	16:31:07	640.600	M 24440.000	TM 26770.000	95.257%	0.218	0.072	0.164	1.531	235.300	0.227
3	16:32:12	652.800	M 25950.000	TM 27680.000	90.213%	0.302	-0.078	0.206	-1.128	242.200	0.227
x		648.500	M 25350.000	TM 27370.000	92.606%	0.243	0.094	0.210	0.574	243.100	0.234
σ		6.831	M 802.900	TM 517.900	2.532%	0.052	0.184	0.049	1.478	8.353	0.011
%RSD		1.053	M 3.167	TM 1.893	2.734	21.250	195.900	23.140	257.500	3.435	4.693
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:30:01	2.290	36.320	-0.143	-0.203	0.221	5.701	6.088	0.473	0.083	-0.272
2	16:31:07	-0.758	33.780	-0.156	-0.178	0.170	5.522	5.814	0.585	0.789	-0.092
3	16:32:12	1.742	32.470	-0.161	-0.225	0.122	5.775	6.089	0.618	0.475	-0.266
x		1.091	34.190	-0.153	-0.202	0.171	5.666	5.997	0.559	0.449	-0.210
σ		1.625	1.953	0.009	0.024	0.049	0.130	0.158	0.076	0.353	0.102
%RSD		148.900	5.712	6.118	11.710	28.780	2.299	2.641	13.640	78.680	48.800
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:30:01	0.066	5.425	-0.175	0.000	0.000	0.157	46.780	93.904%	2.325	2.343
2	16:31:07	-0.027	4.333	-0.099	0.000	0.000	0.027	46.060	95.984%	2.337	2.371
3	16:32:12	0.086	3.934	-0.069	0.000	0.000	0.126	46.570	94.807%	2.580	2.539
x		0.042	4.564	-0.114	0.000	0.000	0.103	46.470	94.898%	2.414	2.417
σ		0.061	0.772	0.055	0.000	0.000	0.068	0.370	1.043%	0.144	0.106
%RSD		145.400	16.920	47.860	0.000	0.000	66.090	0.797	1.099	5.968	4.387
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:30:01	2.298	94.164%	0.032	0.031	0.247	0.126	0.130	-0.003	0.226	95.873%
2	16:31:07	2.339	92.975%	-0.029	0.016	0.249	0.126	0.129	-0.005	0.219	99.067%
3	16:32:12	2.535	92.159%	-0.860	0.024	0.302	0.097	0.128	-0.051	0.191	97.188%
x		2.391	93.100%	-0.286	0.024	0.266	0.116	0.129	-0.020	0.212	97.376%
σ		0.126	1.008%	0.498	0.008	0.032	0.017	0.001	0.027	0.018	1.605%
%RSD		5.287	1.083	174.500	31.940	11.870	14.540	0.957	138.900	8.696	1.648
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:30:01	0.017	0.229	0.262	4.414	101.069%	102.148%	0.130	0.010	0.226	0.196
2	16:31:07	0.039	0.193	0.251	4.313	103.585%	103.891%	0.124	0.005	0.213	0.178
3	16:32:12	0.030	0.222	0.281	4.241	100.183%	100.714%	0.127	0.005	0.226	0.185
x		0.029	0.215	0.264	4.323	101.612%	102.251%	0.127	0.007	0.222	0.186
σ		0.011	0.019	0.016	0.087	1.765%	1.591%	0.003	0.003	0.008	0.009
%RSD		37.110	9.060	5.914	2.020	1.737	1.556	2.245	42.300	3.459	4.792
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	16:30:01	0.140	103.461%	0.000	0.000						
2	16:31:07	0.130	107.316%	0.000	0.000						
3	16:32:12	0.140	105.403%	0.000	0.000						
x		0.136	105.393%	0.000	0.000						
σ		0.005	1.927%	0.000	0.000						
%RSD		3.908	1.828	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:33:44	85.223%	-0.003	68.460	69.180	0.000	<u>TM 9865.000</u>	<u>TM 20010.000</u>	<u>TM 20740.000</u>	-0.143	<u>TM 0.000</u>
2	16:34:49	84.043%	-0.007	70.390	69.440	0.000	<u>TM 9898.000</u>	<u>TM 19980.000</u>	<u>TM 19660.000</u>	-0.586	<u>TM 0.000</u>
3	16:35:54	84.372%	0.023	65.720	69.280	0.000	<u>TM 9644.000</u>	<u>TM 19600.000</u>	<u>TM 19680.000</u>	1.419	<u>TM 0.000</u>
X		84.546%	0.004	68.190	69.300	0.000	<u>TM 9802.000</u>	<u>TM 19860.000</u>	<u>TM 20030.000</u>	0.230	<u>TM 0.000</u>
σ		0.609%	0.017	2.345	0.132	0.000	<u>TM 138.100</u>	<u>TM 226.600</u>	<u>TM 615.700</u>	1.053	<u>TM 0.000</u>
%RSD		0.720	391.000	3.440	0.191	0.000	<u>TM 1.409</u>	<u>TM 1.141</u>	<u>TM 3.075</u>	457.200	<u>TM 0.000</u>
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:33:44	812.600	<u>M 48370.000</u>	<u>TM 53320.000</u>	90.930%	0.440	2.330	0.277	-1.818	166.900	0.396
2	16:34:49	727.900	<u>M 46050.000</u>	<u>TM 49400.000</u>	95.327%	0.290	2.731	0.324	0.930	142.500	0.353
3	16:35:54	815.600	<u>M 45640.000</u>	<u>TM 50780.000</u>	92.957%	0.523	2.607	0.287	1.742	146.600	0.398
X		785.400	<u>M 46680.000</u>	<u>TM 51170.000</u>	93.071%	0.418	2.556	0.296	0.285	152.000	0.382
σ		49.810	<u>M 1471.000</u>	<u>TM 1988.000</u>	2.201%	0.118	0.205	0.025	1.866	13.060	0.026
%RSD		6.342	<u>M 3.151</u>	<u>TM 3.885</u>	2.365	28.340	8.026	8.420	655.500	8.590	6.709
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:33:44	-16.010	43.060	-0.266	-0.436	0.093	27.280	26.880	45.640	58.390	55.290
2	16:34:49	-17.970	39.720	-0.270	-0.444	0.141	26.110	26.120	44.910	55.600	52.940
3	16:35:54	-15.060	41.230	-0.228	-0.414	0.089	25.380	26.150	45.300	55.380	52.880
X		-16.350	41.340	-0.255	-0.431	0.108	26.260	26.380	45.280	56.460	53.700
σ		1.483	1.671	0.023	0.016	0.029	0.961	0.430	0.368	1.677	1.373
%RSD		9.074	4.043	9.046	3.683	26.910	3.661	1.631	0.813	2.970	2.556
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:33:44	7.180	1.223	0.356	0.000	0.000	0.499	<u>TM 468.000</u>	93.573%	0.167	0.253
2	16:34:49	6.791	0.528	0.201	0.000	0.000	0.464	<u>TM 453.800</u>	96.080%	0.272	0.281
3	16:35:54	6.847	0.922	0.275	0.000	0.000	0.552	<u>TM 460.900</u>	95.093%	0.732	0.920
X		6.939	0.891	0.277	0.000	0.000	0.505	<u>TM 460.900</u>	94.915%	0.390	0.485
σ		0.210	0.349	0.078	0.000	0.000	0.044	<u>TM 7.091</u>	1.263%	0.301	0.378
%RSD		3.029	39.150	27.960	0.000	0.000	8.780	<u>TM 1.539</u>	1.330	77.060	77.910
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:33:44	0.242	91.748%	-1.427	0.002	0.342	0.127	0.113	-0.067	0.187	96.635%
2	16:34:49	0.370	92.643%	-1.285	0.012	0.328	0.066	0.115	-0.050	0.202	98.062%
3	16:35:54	0.792	91.917%	-1.953	0.016	0.376	0.097	0.123	-0.109	0.180	96.187%
X		0.468	92.102%	-1.555	0.010	0.349	0.097	0.117	-0.075	0.189	96.961%
σ		0.288	0.476%	0.352	0.007	0.024	0.030	0.005	0.030	0.011	0.979%
%RSD		61.460	0.516	22.630	71.240	6.960	31.480	4.465	40.050	5.764	1.010
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:33:44	-0.019	0.119	0.148	<u>M 401.800</u>	102.231%	103.562%	0.124	0.003	0.203	0.167
2	16:34:49	-0.026	0.098	0.159	<u>M 394.300</u>	103.583%	103.787%	0.119	0.001	0.189	0.142
3	16:35:54	0.003	0.130	0.155	<u>M 395.500</u>	102.480%	102.038%	0.128	0.008	0.215	0.148
X		-0.014	0.116	0.154	<u>M 397.200</u>	102.765%	103.129%	0.124	0.004	0.202	0.152
σ		0.015	0.016	0.005	<u>M 4.027</u>	0.719%	0.951%	0.005	0.004	0.013	0.013
%RSD		108.900	13.990	3.378	<u>M 1.014</u>	0.700	0.923	3.912	99.790	6.589	8.599
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	16:33:44	0.114	103.912%	0.000	0.000						
2	16:34:49	0.108	105.731%	0.000	0.000						
3	16:35:54	0.119	105.288%	0.000	0.000						
X		0.114	104.977%	0.000	0.000						
σ		0.006	0.948%	0.000	0.000						
%RSD		4.911	0.903	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:37:26	81.723%	M 103.400	55.790	60.650	0.000	TM 9901.000	TM 15320.000	TM 15520.000	98.150	± 0.000
2	16:38:31	81.420%	M 103.600	56.570	62.320	0.000	TM 9932.000	TM 15140.000	TM 15830.000	97.190	± 0.000
3	16:39:37	83.976%	M 100.500	56.050	58.500	0.000	TM 9668.000	TM 14990.000	TM 15340.000	96.130	± 0.000
X		82.373%	M 102.500	56.140	60.490	0.000	TM 9834.000	TM 15150.000	TM 15570.000	97.160	± 0.000
σ		1.397%	M 1.753	0.400	1.919	0.000	TM 144.300	TM 165.700	TM 245.700	1.015	± 0.000
%RSD		1.696	M 1.710	0.712	3.172	0.000	TM 1.468	TM 1.094	TM 1.578	1.045	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:37:26	761.400	M 45870.000	TM 49340.000	89.777%	0.390	M 100.400	97.900	97.540	201.400	98.000
2	16:38:31	775.300	M 44180.000	TM 48590.000	91.274%	0.297	98.610	94.530	95.000	206.700	98.800
3	16:39:37	778.600	M 44130.000	TM 48270.000	90.716%	0.300	98.360	95.200	96.380	191.800	96.290
X		771.800	M 44730.000	TM 48730.000	90.589%	0.329	M 99.110	95.880	96.310	200.000	97.700
σ		9.166	M 988.300	TM 548.400	0.756%	0.053	M 1.084	1.786	1.268	7.537	1.284
%RSD		1.188	M 2.210	TM 1.125	0.835	16.100	M 1.093	1.863	1.316	3.769	1.315
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:37:26	103.400	161.600	98.340	92.840	92.420	M 107.100	M 107.000	M 147.300	M 151.400	M 157.600
2	16:38:31	98.330	159.700	95.850	91.340	90.940	M 107.000	M 106.100	M 145.000	M 151.800	M 155.000
3	16:39:37	100.700	154.400	93.740	91.560	90.970	M 103.300	M 101.300	M 145.600	M 151.700	M 152.800
X		100.800	158.500	95.980	91.910	91.440	M 105.800	M 104.800	M 146.000	M 151.600	M 155.100
σ		2.547	3.728	2.305	0.811	0.844	M 2.191	M 3.091	M 1.167	M 0.208	M 2.423
%RSD		2.527	2.351	2.401	0.882	0.923	M 2.071	M 2.950	M 0.799	M 0.137	M 1.562
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:37:26	M 110.000	M 221.200	M 215.700	0.000	0.000	M 215.100	TM 652.100	92.910%	1.550	1.582
2	16:38:31	M 109.800	M 217.700	M 214.100	0.000	0.000	M 216.900	TM 654.600	93.314%	1.640	1.876
3	16:39:37	M 109.000	M 216.300	M 214.400	0.000	0.000	M 213.300	TM 649.000	93.870%	1.847	2.093
X		M 109.600	M 218.400	M 214.700	0.000	0.000	M 215.100	TM 651.900	93.364%	1.679	1.850
σ		M 0.532	M 2.544	M 0.832	0.000	0.000	M 1.818	TM 2.811	0.482%	0.152	0.256
%RSD		M 0.486	M 1.165	M 0.388	0.000	0.000	M 0.845	TM 0.431	0.517	9.062	13.850
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:37:26	1.616	89.683%	M 104.300	76.290	0.603	M 101.400	72.520	M 104.500	M 100.700	94.717%
2	16:38:31	1.730	90.855%	M 102.900	71.080	0.538	99.170	72.160	M 102.900	M 100.400	96.239%
3	16:39:37	1.905	89.968%	M 103.200	69.900	0.702	M 101.700	72.240	M 102.300	M 101.100	95.080%
X		1.750	90.169%	M 103.400	72.420	0.614	M 100.800	72.310	M 103.200	M 100.700	95.346%
σ		0.146	0.611%	M 0.734	3.402	0.082	M 1.388	0.191	M 1.150	M 0.322	0.795%
%RSD		8.325	0.678	M 0.710	4.697	13.400	M 1.378	0.264	M 1.114	M 0.320	0.834
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:37:26	-0.020	92.360	90.900	M 356.300	100.412%	101.652%	M 103.400	M 104.600	M 102.900	M 101.800
2	16:38:31	-0.001	93.350	92.870	M 349.200	102.769%	103.035%	M 102.800	M 103.000	M 101.200	M 101.200
3	16:39:37	0.023	92.140	92.010	M 348.400	101.374%	102.309%	M 100.500	M 102.500	M 100.500	M 100.300
X		0.001	92.620	91.930	M 351.300	101.518%	102.332%	M 102.200	M 103.400	M 101.500	M 101.100
σ		0.021	0.646	0.988	M 4.372	1.185%	0.692%	M 1.560	M 1.095	M 1.200	M 0.770
%RSD		3317.000	0.697	1.075	M 1.244	1.168	0.676	M 1.526	M 1.059	M 1.182	M 0.762
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	16:37:26	M 102.400	102.088%	0.000	0.000						
2	16:38:31	M 101.300	103.714%	0.000	0.000						
3	16:39:37	M 100.200	104.536%	0.000	0.000						
X		M 101.300	103.446%	0.000	0.000						
σ		M 1.101	1.246%	0.000	0.000						
%RSD		M 1.087	1.205	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:41:08	82.300%	M 108.900	58.990	62.280	0.000	TM 10160.000	TM 15880.000	TM 15930.000	100.700	± 0.000
2	16:42:13	85.367%	M 103.400	58.350	58.920	0.000	TM 9858.000	TM 15190.000	TM 14910.000	95.860	± 0.000
3	16:43:18	81.301%	M 105.500	59.450	61.880	0.000	TM 10010.000	TM 16080.000	TM 15770.000	97.790	± 0.000
X		82.989%	M 105.900	58.930	61.030	0.000	TM 10010.000	TM 15720.000	TM 15540.000	98.100	± 0.000
σ		2.119%	M 2.794	0.556	1.840	0.000	TM 149.100	TM 470.100	TM 547.600	2.413	± 0.000
%RSD		2.553	M 2.637	0.943	3.014	0.000	TM 1.490	TM 2.991	TM 3.525	2.460	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:41:08	787.600	M 46370.000	TM 49460.000	92.280%	0.381	M 102.500	99.950	98.740	211.900	M 102.400
2	16:42:13	763.000	M 43130.000	TM 47200.000	96.418%	0.244	98.770	95.710	94.570	186.000	96.430
3	16:43:18	787.700	M 43780.000	TM 47710.000	94.485%	0.230	99.140	96.150	97.360	169.500	97.460
X		779.400	M 44420.000	TM 48120.000	94.394%	0.285	M 100.100	97.270	96.890	189.100	M 98.770
σ		14.220	M 1714.000	TM 1183.000	2.071%	0.083	M 2.062	2.331	2.127	21.380	M 3.198
%RSD		1.825	M 3.857	TM 2.458	2.194	29.300	M 2.059	2.396	2.195	11.300	M 3.238
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:41:08	108.300	168.200	99.460	95.670	91.420	M 110.100	M 107.200	M 150.700	M 154.600	M 156.800
2	16:42:13	101.000	161.300	93.530	90.880	91.610	M 103.600	M 104.400	M 143.600	M 146.700	M 153.000
3	16:43:18	101.900	161.700	93.610	91.730	92.570	M 103.400	M 103.800	M 143.400	M 151.400	M 152.600
X		103.700	163.700	95.530	92.760	91.870	M 105.700	M 105.100	M 145.900	M 150.900	M 154.100
σ		3.968	3.852	3.399	2.554	0.616	M 3.800	M 1.802	M 4.134	M 3.970	M 2.345
%RSD		3.825	2.353	3.558	2.753	0.670	M 3.596	M 1.714	M 2.833	M 2.632	M 1.521
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:41:08	M 111.700	M 225.500	M 219.400	0.000	0.000	M 219.300	TM 661.400	94.219%	1.850	1.673
2	16:42:13	M 107.600	M 216.900	M 212.200	0.000	0.000	M 212.100	TM 636.700	97.312%	1.630	1.828
3	16:43:18	M 108.500	M 215.000	M 211.600	0.000	0.000	M 214.500	TM 645.400	97.395%	1.962	1.976
X		M 109.300	M 219.100	M 214.400	0.000	0.000	M 215.300	TM 647.800	96.309%	1.814	1.826
σ		M 2.145	M 5.555	M 4.334	0.000	0.000	M 3.700	TM 12.520	1.810%	0.169	0.152
%RSD		M 1.963	M 2.535	M 2.021	0.000	0.000	M 1.718	TM 1.933	1.879	9.299	8.311
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:41:08	1.742	92.343%	M 105.000	70.440	0.853	M 105.600	73.110	M 102.600	M 101.100	97.108%
2	16:42:13	1.780	94.523%	99.250	72.000	0.941	M 101.400	68.820	M 101.200	97.910	100.248%
3	16:43:18	1.891	92.431%	M 100.300	68.980	0.769	99.570	67.880	M 100.600	97.870	100.472%
X		1.804	93.099%	M 101.500	70.470	0.854	M 102.200	69.940	M 101.500	M 98.950	99.276%
σ		0.077	1.234%	M 3.060	1.509	0.086	M 3.082	2.790	M 1.020	M 1.839	1.881%
%RSD		4.288	1.325	M 3.015	2.141	10.080	M 3.017	3.989	M 1.005	M 1.859	1.895
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:41:08	0.151	98.730	98.580	M 357.200	103.064%	103.206%	M 105.500	M 106.400	M 104.600	M 104.100
2	16:42:13	-0.016	96.600	96.880	M 347.800	105.117%	107.051%	M 100.800	M 103.000	M 101.000	M 100.300
3	16:43:18	-0.008	95.520	95.760	M 343.000	105.094%	104.850%	M 102.000	M 102.900	M 101.400	M 100.400
X		0.042	96.950	97.070	M 349.400	104.425%	105.036%	M 102.800	M 104.100	M 102.300	M 101.600
σ		0.094	1.636	1.419	M 7.235	1.179%	1.929%	M 2.408	M 1.980	M 1.973	M 2.190
%RSD		224.300	1.687	1.462	M 2.071	1.129	1.836	M 2.344	M 1.902	M 1.928	M 2.155
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	16:41:08	M 104.400	103.575%	0.000	0.000						
2	16:42:13	M 100.400	107.661%	0.000	0.000						
3	16:43:18	M 100.300	107.818%	0.000	0.000						
X		M 101.700	106.351%	0.000	0.000						
σ		M 2.352	2.405%	0.000	0.000						
%RSD		M 2.313	2.262	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:44:50	89.129%	49.630	52.900	57.040	0.000	526.300	550.200	537.100	±539.300	±0.000
2	16:45:55	88.076%	50.950	57.610	59.030	0.000	537.400	544.400	534.300	±539.600	±0.000
3	16:47:01	88.980%	50.710	54.720	55.960	0.000	506.900	536.000	529.100	±535.900	±0.000
x		88.728%	50.430	55.070	57.340	0.000	523.500	543.600	533.500	±538.300	±0.000
σ		0.570%	0.707	2.376	1.556	0.000	15.480	7.145	4.056	±2.087	±0.000
%RSD		0.642	1.403	4.313	2.714	0.000	2.957	1.314	0.760	±0.388	±0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:44:50	521.700	572.400	574.000	88.387%	50.370	50.260	51.530	50.930	318.200	51.420
2	16:45:55	521.900	565.900	531.000	93.149%	48.520	48.520	49.110	48.620	318.900	49.610
3	16:47:01	519.400	551.700	534.100	91.983%	48.540	49.040	49.390	48.220	303.900	49.480
x		521.000	563.300	546.400	91.173%	49.150	49.280	50.010	49.260	313.600	50.170
σ		1.387	10.590	23.940	2.482%	1.063	0.894	1.324	1.464	8.480	1.089
%RSD		0.266	1.879	4.381	2.722	2.163	1.814	2.646	2.973	2.704	2.170
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:44:50	561.900	552.200	49.410	50.060	48.900	50.030	49.630	50.350	50.110	50.700
2	16:45:55	±542.000	533.300	50.150	47.530	47.700	48.770	47.650	49.890	48.400	48.940
3	16:47:01	555.100	537.800	48.660	49.670	47.960	49.010	49.500	50.500	49.520	50.710
x		±553.000	541.100	49.400	49.090	48.190	49.270	48.920	50.250	49.340	50.120
σ		±10.120	9.881	0.748	1.363	0.631	0.665	1.108	0.317	0.871	1.016
%RSD		±1.830	1.826	1.515	2.776	1.310	1.351	2.264	0.630	1.766	2.027
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:44:50	49.190	59.450	51.150	0.000	0.000	50.750	50.930	97.717%	49.100	49.500
2	16:45:55	49.050	60.380	50.710	0.000	0.000	51.250	50.980	96.860%	50.880	50.670
3	16:47:01	48.540	62.830	50.640	0.000	0.000	50.160	51.060	96.132%	50.080	49.280
x		48.930	60.890	50.830	0.000	0.000	50.720	50.990	96.903%	50.020	49.820
σ		0.341	1.750	0.278	0.000	0.000	0.542	0.062	0.793%	0.895	0.744
%RSD		0.697	2.874	0.548	0.000	0.000	1.069	0.121	0.818	1.789	1.494
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:44:50	48.950	96.336%	52.910	52.410	0.233	48.910	51.330	49.950	49.450	100.161%
2	16:45:55	50.390	96.171%	50.490	52.660	0.518	50.640	52.280	50.690	49.000	100.046%
3	16:47:01	50.110	97.206%	50.910	52.840	0.474	50.540	52.620	50.890	49.040	99.296%
x		49.820	96.571%	51.440	52.640	0.408	50.030	52.080	50.510	49.160	99.835%
σ		0.762	0.556%	1.292	0.217	0.154	0.970	0.670	0.496	0.249	0.470%
%RSD		1.530	0.576	2.512	0.412	37.650	1.938	1.287	0.981	0.507	0.470
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:44:50	49.060	56.660	56.550	48.200	103.066%	104.271%	49.520	49.580	49.900	50.030
2	16:45:55	48.910	57.710	57.230	48.770	104.402%	103.978%	49.790	50.200	50.230	50.030
3	16:47:01	49.290	58.100	58.110	49.710	104.008%	103.619%	49.090	49.660	49.230	50.060
x		49.090	57.490	57.290	48.900	103.826%	103.956%	49.470	49.810	49.790	50.040
σ		0.191	0.749	0.782	0.763	0.686%	0.326%	0.353	0.339	0.511	0.020
%RSD		0.389	1.303	1.365	1.561	0.661	0.314	0.713	0.680	1.026	0.039
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	16:44:50	49.280	110.007%	0.000	0.000						
2	16:45:55	49.950	107.950%	0.000	0.000						
3	16:47:01	49.090	109.227%	0.000	0.000						
x		49.440	109.061%	0.000	0.000						
σ		0.450	1.039%	0.000	0.000						
%RSD		0.909	0.953	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:48:32	90.446%	0.021	5.769	5.219	0.000	-7.516	-0.307	-0.017	-0.727	±0.000
2	16:49:37	90.363%	0.009	4.505	4.440	0.000	4.684	1.661	1.748	0.875	±0.000
3	16:50:42	99.559%	0.010	3.688	4.228	0.000	-7.568	-0.553	-0.358	-1.089	±0.000
x		93.456%	0.013	4.654	4.629	0.000	-3.467	0.267	0.458	-0.314	±0.000
σ		5.286%	0.007	1.049	0.522	0.000	7.059	1.214	1.130	1.045	±0.000
%RSD		5.656	51.210	22.530	11.280	0.000	203.600	454.700	246.900	333.000	±0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:48:32	-1.642	-29.140	-19.770	92.748%	-0.186	0.209	0.456	1.711	305.300	0.044
2	16:49:37	0.758	-17.850	-10.790	91.037%	-0.143	0.187	0.482	1.153	313.800	0.066
3	16:50:42	-2.748	-29.640	-18.200	101.634%	-0.206	-0.605	0.413	-1.365	313.700	0.019
x		-1.211	-25.540	-16.250	95.140%	-0.178	-0.070	0.450	0.499	310.900	0.043
σ		1.792	6.667	4.795	5.689%	0.032	0.464	0.035	1.639	4.827	0.024
%RSD		148.000	26.110	29.500	5.980	18.070	665.200	7.757	328.200	1.552	55.010
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:48:32	-0.299	-1.952	0.017	0.107	0.147	-0.258	-0.011	-0.878	-0.965	-1.313
2	16:49:37	2.910	-0.368	0.041	0.067	0.090	-0.268	-0.050	-0.827	-1.083	-1.529
3	16:50:42	0.866	-2.302	-0.010	0.050	0.282	-0.232	-0.079	-0.750	-0.856	-1.445
x		1.159	-1.541	0.016	0.075	0.173	-0.253	-0.047	-0.818	-0.968	-1.429
σ		1.624	1.030	0.025	0.029	0.098	0.019	0.034	0.065	0.113	0.109
%RSD		140.200	66.860	157.300	39.150	56.930	7.423	72.460	7.891	11.710	7.620
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:48:32	0.195	10.760	0.180	0.000	0.000	0.304	0.042	94.422%	0.851	0.930
2	16:49:37	0.046	10.640	0.006	0.000	0.000	0.162	0.059	97.775%	0.836	0.896
3	16:50:42	-0.105	9.950	-0.274	0.000	0.000	0.129	0.008	103.718%	0.623	0.681
x		0.046	10.450	-0.029	0.000	0.000	0.198	0.036	98.638%	0.770	0.836
σ		0.150	0.438	0.229	0.000	0.000	0.093	0.026	4.708%	0.127	0.135
%RSD		328.000	4.187	780.700	0.000	0.000	46.840	72.210	4.773	16.520	16.170
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:48:32	0.872	93.940%	-0.284	2.819	0.265	0.096	2.857	0.007	0.237	97.502%
2	16:49:37	0.919	94.669%	-0.043	3.214	0.247	0.066	3.234	0.011	0.242	98.022%
3	16:50:42	0.622	103.960%	0.002	3.490	0.247	0.091	3.551	-0.004	0.221	104.449%
x		0.804	97.523%	-0.109	3.174	0.253	0.084	3.214	0.005	0.233	99.991%
σ		0.160	5.587%	0.154	0.337	0.010	0.016	0.347	0.008	0.011	3.870%
%RSD		19.830	5.728	141.700	10.630	4.140	19.060	10.810	175.000	4.711	3.870
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:48:32	0.366	2.549	2.564	0.022	102.283%	102.255%	0.205	0.077	0.111	0.078
2	16:49:37	0.554	2.391	2.523	0.046	101.153%	103.065%	0.172	0.055	0.102	0.070
3	16:50:42	0.707	2.679	2.725	-0.010	108.165%	108.297%	0.166	0.041	0.078	0.041
x		0.542	2.539	2.604	0.019	103.867%	104.539%	0.181	0.058	0.097	0.063
σ		0.171	0.144	0.107	0.028	3.765%	3.280%	0.021	0.018	0.017	0.019
%RSD		31.540	5.680	4.106	145.900	3.625	3.137	11.460	31.290	17.510	30.470
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	16:48:32	0.025	107.069%	0.000	0.000						
2	16:49:37	0.019	104.961%	0.000	0.000						
3	16:50:42	-0.006	112.185%	0.000	0.000						
x		0.012	108.072%	0.000	0.000						
σ		0.016	3.715%	0.000	0.000						
%RSD		130.100	3.438	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:52:15	99.434%	0.006	3.776	3.500	0.000	-3.845	-0.443	-0.035	0.635	±0.000
2	16:53:21	97.940%	0.003	3.866	3.281	0.000	-1.749	-0.067	0.342	0.864	±0.000
3	16:54:26	98.121%	0.003	3.317	3.213	0.000	-3.815	-0.555	0.103	0.666	±0.000
x		98.498%	0.004	3.653	3.332	0.000	-3.136	-0.355	0.137	0.722	±0.000
σ		0.815%	0.002	0.295	0.150	0.000	1.201	0.255	0.191	0.124	±0.000
%RSD		0.828	50.260	8.069	4.506	0.000	38.310	71.910	139.800	17.180	±0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:52:15	-1.560	-23.980	-15.150	100.085%	-0.070	-0.319	0.244	-1.638	264.800	0.018
2	16:53:21	0.442	-20.210	-14.560	96.673%	-0.204	0.130	0.263	1.269	260.900	0.026
3	16:54:26	-1.454	-24.500	-15.350	98.824%	-0.129	0.256	0.264	1.379	252.300	0.023
x		-0.858	-22.900	-15.020	98.527%	-0.134	0.022	0.257	0.337	259.300	0.022
σ		1.126	2.342	0.412	1.726%	0.067	0.302	0.011	1.711	6.407	0.004
%RSD		131.300	10.230	2.745	1.751	50.270	1355.000	4.258	508.000	2.470	17.170
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:52:15	-1.062	-3.201	-0.019	0.106	0.218	-0.252	-0.038	-0.201	-0.383	-0.917
2	16:53:21	1.576	-3.226	-0.009	0.084	0.134	-0.248	-0.029	-0.017	-0.206	-0.766
3	16:54:26	-0.059	-3.290	-0.012	0.064	0.129	-0.284	-0.073	-0.123	-0.250	-0.875
x		0.152	-3.239	-0.013	0.085	0.160	-0.261	-0.047	-0.113	-0.280	-0.853
σ		1.331	0.046	0.005	0.021	0.050	0.020	0.023	0.092	0.092	0.078
%RSD		878.900	1.406	39.050	24.760	31.420	7.607	49.680	81.150	32.840	9.172
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:52:15	-0.052	5.397	-0.160	0.000	0.000	0.095	0.006	104.653%	-0.404	-0.425
2	16:53:21	-0.084	5.511	-0.120	0.000	0.000	0.007	0.014	101.836%	-0.301	-0.196
3	16:54:26	0.019	4.817	-0.062	0.000	0.000	0.006	0.006	103.957%	-0.188	-0.107
x		-0.039	5.242	-0.114	0.000	0.000	0.036	0.009	103.482%	-0.298	-0.243
σ		0.052	0.372	0.049	0.000	0.000	0.051	0.005	1.467%	0.108	0.164
%RSD		133.800	7.095	43.230	0.000	0.000	141.800	54.670	1.418	36.350	67.630
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:52:15	-0.432	104.727%	-0.329	0.465	0.265	0.036	0.589	-0.020	0.218	105.951%
2	16:53:21	-0.253	101.967%	-0.602	0.544	0.288	0.119	0.660	-0.039	0.201	104.790%
3	16:54:26	-0.192	103.694%	0.144	0.667	0.235	0.064	0.742	0.005	0.229	103.357%
x		-0.292	103.463%	-0.262	0.559	0.263	0.073	0.663	-0.018	0.216	104.699%
σ		0.125	1.394%	0.378	0.102	0.026	0.042	0.077	0.022	0.014	1.299%
%RSD		42.740	1.347	144.100	18.270	10.030	57.630	11.540	123.700	6.521	1.241
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:52:15	0.004	0.470	0.522	0.009	107.347%	107.822%	0.130	0.006	0.101	0.069
2	16:53:21	0.033	0.522	0.586	0.020	106.443%	106.271%	0.128	0.004	0.109	0.066
3	16:54:26	0.056	0.573	0.643	0.010	105.906%	105.260%	0.121	0.004	0.102	0.054
x		0.031	0.522	0.584	0.013	106.565%	106.451%	0.127	0.005	0.104	0.063
σ		0.026	0.052	0.061	0.006	0.728%	1.291%	0.005	0.001	0.004	0.008
%RSD		84.950	9.891	10.370	47.210	0.683	1.212	3.693	23.240	4.062	12.460
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	16:52:15	0.017	111.346%	0.000	0.000						
2	16:53:21	0.019	109.993%	0.000	0.000						
3	16:54:26	0.014	110.982%	0.000	0.000						
x		0.017	110.774%	0.000	0.000						
σ		0.003	0.700%	0.000	0.000						
%RSD		16.670	0.632	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:55:57	97.866%	99.340	3.623	3.647	0.000	531.200	509.800	516.300	518.900	0.000
2	16:57:02	99.409%	97.990	3.823	3.443	0.000	511.700	494.200	516.900	519.800	0.000
3	16:58:09	95.515%	98.560	3.645	3.215	0.000	539.600	522.700	510.800	526.500	0.000
x		97.597%	98.630	3.697	3.435	0.000	527.500	508.900	514.700	521.800	0.000
σ		1.961%	0.676	0.110	0.216	0.000	14.290	14.270	3.370	4.153	0.000
%RSD		2.009	0.686	2.969	6.295	0.000	2.709	2.804	0.655	0.796	0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:55:57	495.700	487.800	500.000	99.220%	-0.106	97.940	98.550	97.110	340.300	98.740
2	16:57:02	506.000	486.600	510.500	98.442%	-0.144	101.000	102.500	102.900	320.900	100.100
3	16:58:09	505.300	499.400	512.500	94.928%	-0.132	100.300	100.100	100.600	325.800	100.700
x		502.300	491.300	507.700	97.530%	-0.127	99.750	100.400	100.200	329.000	99.840
σ		5.752	7.090	6.696	2.287%	0.019	1.602	1.985	2.913	10.100	1.017
%RSD		1.145	1.443	1.319	2.345	15.010	1.606	1.977	2.907	3.069	1.019
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:55:57	520.300	505.500	100.800	101.500	94.390	101.300	97.270	98.040	96.240	97.510
2	16:57:02	525.600	523.200	101.300	99.250	98.720	96.810	98.920	99.220	96.500	101.700
3	16:58:09	537.300	533.300	101.900	100.100	100.000	98.280	101.500	100.000	100.000	101.200
x		527.800	520.600	101.300	100.300	97.710	98.780	99.250	99.090	97.590	100.200
σ		8.708	14.070	0.571	1.142	2.948	2.265	2.157	0.998	2.120	2.303
%RSD		1.650	2.703	0.564	1.139	3.018	2.293	2.173	1.007	2.173	2.299
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:55:57	96.430	203.600	191.300	0.000	0.000	191.400	0.031	103.140%	-0.307	-0.270
2	16:57:02	97.150	207.100	193.200	0.000	0.000	192.200	0.048	102.776%	-0.215	-0.096
3	16:58:09	97.800	208.400	194.500	0.000	0.000	193.500	0.056	100.917%	-0.019	0.043
x		97.130	206.400	193.000	0.000	0.000	192.400	0.045	102.278%	-0.180	-0.108
σ		0.686	2.476	1.582	0.000	0.000	1.030	0.013	1.192%	0.147	0.157
%RSD		0.706	1.200	0.820	0.000	0.000	0.535	28.380	1.166	81.640	145.800
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:55:57	-0.292	103.764%	96.270	98.200	0.803	97.540	97.610	98.340	96.360	103.836%
2	16:57:02	-0.232	101.616%	100.000	98.670	0.432	95.310	98.190	99.350	96.400	105.527%
3	16:58:09	0.043	100.843%	97.490	99.430	0.663	96.580	98.880	98.540	98.030	102.077%
x		-0.160	102.074%	97.920	98.770	0.633	96.480	98.230	98.740	96.930	103.813%
σ		0.179	1.513%	1.898	0.624	0.187	1.119	0.633	0.533	0.955	1.725%
%RSD		111.600	1.482	1.938	0.632	29.580	1.160	0.645	0.540	0.985	1.661
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:55:57	0.049	102.700	102.100	97.510	107.572%	109.185%	97.730	100.700	99.560	99.570
2	16:57:02	0.115	101.300	101.900	96.480	107.940%	108.312%	102.200	102.100	99.590	101.300
3	16:58:09	0.130	103.600	104.000	97.870	106.184%	107.568%	98.930	101.600	101.100	100.500
x		0.098	102.500	102.700	97.280	107.232%	108.355%	99.610	101.500	100.100	100.400
σ		0.043	1.174	1.137	0.723	0.926%	0.809%	2.294	0.722	0.897	0.876
%RSD		43.890	1.146	1.107	0.744	0.864	0.747	2.303	0.712	0.896	0.872
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	16:55:57	98.880	111.224%	0.000	0.000						
2	16:57:02	100.300	110.181%	0.000	0.000						
3	16:58:09	100.500	109.331%	0.000	0.000						
x		99.910	110.245%	0.000	0.000						
σ		0.889	0.948%	0.000	0.000						
%RSD		0.890	0.860	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:59:40	93.300%	95.890	M 186.300	M 187.900	0.000	TM 45860.000	TM 16200.000	TM 16570.000	T 529.200	T 0.000
2	17:00:45	95.188%	94.320	M 182.100	M 198.300	0.000	TM 45460.000	TM 16400.000	TM 16390.000	T 529.600	T 0.000
3	17:01:50	95.477%	93.790	M 189.100	M 185.600	0.000	TM 46510.000	TM 16220.000	TM 16440.000	T 529.700	T 0.000
X		94.655%	94.670	M 185.900	M 190.600	0.000	TM 45940.000	TM 16270.000	TM 16470.000	T 529.500	T 0.000
σ		1.182%	1.091	M 3.540	M 6.790	0.000	TM 531.300	TM 112.000	TM 94.250	T 0.287	T 0.000
%RSD		1.249	1.153	M 1.905	M 3.562	0.000	TM 1.156	TM 0.688	TM 0.572	T 0.054	T 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:59:40	TM 6982.000	M 142200.000	TM 148900.000	100.188%	0.188	98.240	M 135.400	M 135.700	264.200	M 103.200
2	17:00:45	TM 7089.000	M 143000.000	TM 155900.000	99.188%	0.153	99.050	M 137.000	M 135.600	283.500	M 104.500
3	17:01:50	TM 7072.000	M 147300.000	TM 156000.000	97.111%	0.209	M 100.300	M 137.700	M 131.400	316.900	M 104.300
X		TM 7048.000	M 144200.000	TM 153600.000	98.829%	0.183	M 99.190	M 136.700	M 134.200	288.200	M 104.000
σ		TM 57.290	M 2744.000	TM 4039.000	1.569%	0.028	M 1.031	M 1.194	M 2.437	26.650	M 0.688
%RSD		TM 0.813	M 1.903	TM 2.629	1.588	15.300	M 1.039	M 0.873	M 1.815	9.248	M 0.661
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:59:40	T 535.000	711.600	94.970	91.800	90.150	89.740	90.800	87.370	89.740	90.790
2	17:00:45	T 541.500	718.100	93.860	90.500	92.340	89.610	90.610	87.820	88.410	90.090
3	17:01:50	T 545.700	721.400	97.270	91.370	92.190	92.990	90.860	88.130	91.340	91.180
X		T 540.700	717.000	95.370	91.220	91.560	90.780	90.750	87.770	89.830	90.690
σ		T 5.389	5.031	1.737	0.666	1.220	1.918	0.132	0.382	1.467	0.552
%RSD		T 0.997	0.702	1.822	0.731	1.333	2.112	0.145	0.435	1.633	0.609
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:59:40	94.470	M 200.500	M 182.200	0.000	0.000	M 181.900	TM 606.000	100.764%	6.537	6.308
2	17:00:45	94.280	M 198.600	M 180.400	0.000	0.000	M 181.100	TM 604.300	104.219%	6.997	7.327
3	17:01:50	96.080	M 203.900	M 184.000	0.000	0.000	M 184.100	TM 606.700	101.345%	7.122	7.358
X		94.940	M 201.000	M 182.200	0.000	0.000	M 182.400	TM 605.600	102.109%	6.885	6.998
σ		0.989	M 2.681	M 1.817	0.000	0.000	M 1.533	TM 1.238	1.850%	0.308	0.597
%RSD		1.042	M 1.334	M 0.997	0.000	0.000	M 0.841	TM 0.205	1.812	4.473	8.535
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:59:40	6.567	93.092%	95.150	98.180	0.881	96.890	95.690	95.560	93.690	97.916%
2	17:00:45	7.141	93.565%	98.710	97.570	0.643	96.720	96.550	97.190	94.510	99.484%
3	17:01:50	7.510	93.115%	94.090	98.230	0.990	97.310	96.760	98.010	95.140	98.680%
X		7.073	93.257%	95.980	97.990	0.838	96.970	96.330	96.920	94.450	98.694%
σ		0.475	0.267%	2.423	0.366	0.177	0.307	0.566	1.249	0.723	0.784%
%RSD		6.721	0.286	2.525	0.373	21.160	0.317	0.588	1.289	0.766	0.794
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:59:40	0.003	M 106.800	M 106.400	M 154.100	104.853%	105.629%	M 105.800	M 107.300	M 104.400	M 105.000
2	17:00:45	0.043	M 105.800	M 106.300	M 155.900	107.328%	107.528%	M 106.600	M 109.400	M 105.400	M 107.300
3	17:01:50	0.088	M 106.400	M 108.500	M 157.000	106.551%	108.420%	M 106.900	M 108.400	M 105.400	M 105.900
X		0.045	M 106.300	M 107.100	M 155.600	106.244%	107.192%	M 106.400	M 108.300	M 105.100	M 106.100
σ		0.042	M 0.515	M 1.237	M 1.470	1.266%	1.425%	M 0.589	M 1.078	M 0.578	M 1.157
%RSD		94.660	M 0.485	M 1.155	M 0.945	1.192	1.330	M 0.554	M 0.995	M 0.550	M 1.091
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	16:59:40	M 104.800	99.550%	0.000	0.000						
2	17:00:45	M 105.700	101.135%	0.000	0.000						
3	17:01:50	M 105.300	101.809%	0.000	0.000						
X		M 105.200	100.831%	0.000	0.000						
σ		M 0.481	1.160%	0.000	0.000						
%RSD		M 0.457	1.151	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:03:21	91.833%	96.640	M 192.500	M 200.000	0.000	TM 47620.000	TM 16440.000	TM 16230.000	T 537.200	T 0.000
2	17:04:25	91.090%	95.880	M 188.700	M 201.500	0.000	TM 45810.000	TM 16330.000	TM 16330.000	T 524.600	T 0.000
3	17:05:29	91.886%	93.540	M 190.000	M 206.500	0.000	TM 45970.000	TM 16410.000	TM 16440.000	T 533.200	T 0.000
X		91.603%	95.350	M 190.400	M 202.700	0.000	TM 46470.000	TM 16390.000	TM 16330.000	T 531.600	T 0.000
σ		0.445%	1.617	M 1.930	M 3.420	0.000	TM 1001.000	TM 59.570	TM 105.200	T 6.439	T 0.000
%RSD		0.486	1.696	M 1.014	M 1.688	0.000	TM 2.154	TM 0.363	TM 0.644	T 1.211	T 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:03:21	TM 7116.000	M 147600.000	TM 157300.000	94.816%	0.251	M 101.300	M 141.600	M 138.400	324.700	M 106.900
2	17:04:25	TM 6971.000	M 141500.000	TM 154300.000	97.552%	0.253	99.340	M 137.900	M 136.600	317.100	M 103.700
3	17:05:29	TM 7079.000	M 144000.000	TM 153200.000	98.323%	0.180	99.120	M 136.800	M 136.600	319.400	M 104.300
X		TM 7055.000	M 144400.000	TM 154900.000	96.897%	0.228	M 99.910	M 138.700	M 137.200	320.400	M 105.000
σ		TM 75.100	M 3064.000	TM 2106.000	1.843%	0.042	M 1.183	M 2.515	M 1.027	3.883	M 1.669
%RSD		TM 1.064	M 2.122	TM 1.359	1.902	18.280	M 1.184	M 1.813	M 0.749	1.212	M 1.590
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:03:21	T 560.100	740.800	97.190	92.310	94.840	92.820	91.920	89.260	89.810	91.640
2	17:04:25	T 546.100	714.200	97.300	92.450	87.570	91.590	91.940	87.570	88.890	89.550
3	17:05:29	T 541.400	735.000	94.610	91.270	94.560	90.190	90.150	88.260	88.970	88.670
X		T 549.200	730.000	96.360	92.010	92.320	91.530	91.340	88.360	89.220	89.950
σ		T 9.758	13.980	1.525	0.646	4.121	1.315	1.027	0.853	0.511	1.527
%RSD		T 1.777	1.915	1.582	0.702	4.463	1.436	1.125	0.965	0.572	1.698
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:03:21	94.700	M 202.500	M 182.200	0.000	0.000	M 180.200	TM 592.400	102.375%	7.017	6.996
2	17:04:25	93.620	M 198.800	M 179.900	0.000	0.000	M 178.700	TM 591.200	103.346%	7.221	7.006
3	17:05:29	94.120	M 200.100	M 181.000	0.000	0.000	M 180.300	TM 593.300	103.504%	7.799	7.914
X		94.140	M 200.500	M 181.000	0.000	0.000	M 179.700	TM 592.300	103.075%	7.346	7.306
σ		0.537	M 1.901	M 1.167	0.000	0.000	M 0.880	TM 1.038	0.611%	0.405	0.527
%RSD		0.570	M 0.948	M 0.645	0.000	0.000	M 0.490	TM 0.175	0.593	5.518	7.218
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:03:21	7.074	92.971%	99.330	96.750	0.579	96.550	95.940	97.150	94.450	97.827%
2	17:04:25	7.340	93.056%	94.580	95.810	0.757	94.410	95.440	95.080	93.750	99.495%
3	17:05:29	7.814	93.057%	92.970	95.740	0.987	96.120	95.840	96.060	94.250	99.550%
X		7.409	93.028%	95.630	96.100	0.774	95.690	95.740	96.090	94.150	98.957%
σ		0.375	0.050%	3.305	0.566	0.204	1.128	0.263	1.035	0.358	0.979%
%RSD		5.060	0.053	3.456	0.589	26.380	1.179	0.275	1.077	0.381	0.990
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:03:21	0.005	M 106.700	M 105.700	M 154.700	105.582%	106.503%	M 106.700	M 108.700	M 104.400	M 105.000
2	17:04:25	0.039	M 105.800	M 103.500	M 152.700	108.478%	108.734%	M 105.300	M 107.800	M 103.700	M 104.300
3	17:05:29	0.052	M 107.600	M 105.300	M 155.100	107.651%	109.958%	M 105.300	M 106.800	M 103.400	M 103.700
X		0.032	M 106.700	M 104.800	M 154.100	107.237%	108.399%	M 105.700	M 107.800	M 103.800	M 104.300
σ		0.024	M 0.899	M 1.195	M 1.297	1.492%	1.752%	M 0.790	M 0.971	M 0.542	M 0.665
%RSD		76.580	M 0.843	M 1.140	M 0.842	1.391	1.616	M 0.747	M 0.901	M 0.522	M 0.637
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	17:03:21	M 104.900	100.735%	0.000	0.000						
2	17:04:25	M 104.200	102.592%	0.000	0.000						
3	17:05:29	M 103.500	103.656%	0.000	0.000						
X		M 104.200	102.328%	0.000	0.000						
σ		M 0.738	1.478%	0.000	0.000						
%RSD		M 0.708	1.445	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:07:00	93.818%	0.106	M 190.400	M 201.400	0.000	TM 47390.000	TM 16160.000	TM 16240.000	4.267	± 0.000
2	17:08:05	92.845%	0.008	M 188.900	M 214.100	0.000	TM 47400.000	TM 15880.000	TM 15830.000	3.697	± 0.000
3	17:09:11	87.700%	0.022	M 205.500	M 215.800	0.000	TM 50630.000	TM 16940.000	TM 17150.000	4.316	± 0.000
X		91.454%	0.045	M 195.000	M 210.400	0.000	TM 48470.000	TM 16320.000	TM 16410.000	4.093	± 0.000
σ		3.287%	0.053	M 9.208	M 7.892	0.000	TM 1870.000	TM 553.000	TM 678.200	0.344	± 0.000
%RSD		3.595	117.800	M 4.723	M 3.751	0.000	TM 3.858	TM 3.388	TM 4.133	8.402	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:07:00	TM 6627.000	M 147300.000	TM 157400.000	101.180%	0.220	-0.197	39.020	37.950	277.000	6.446
2	17:08:05	TM 6478.000	M 143500.000	TM 152900.000	101.280%	0.100	-0.957	37.620	35.160	294.600	6.080
3	17:09:11	TM 6893.000	M 152500.000	TM 162800.000	97.867%	0.089	-0.281	40.110	41.070	294.800	6.466
X		TM 6666.000	M 147800.000	TM 157700.000	100.109%	0.137	-0.478	38.920	38.060	288.800	6.331
σ		TM 210.000	M 4490.000	TM 4960.000	1.943%	0.073	0.417	1.252	2.955	10.200	0.217
%RSD		TM 3.150	M 3.039	TM 3.146	1.940	53.420	87.120	3.218	7.765	3.532	3.434
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:07:00	22.340	220.700	-0.489	-0.750	0.674	0.690	0.958	3.244	4.327	3.331
2	17:08:05	21.220	215.500	-0.571	-0.758	0.744	0.654	0.814	2.685	3.570	3.217
3	17:09:11	24.430	217.200	-0.592	-0.789	0.587	0.639	0.811	3.167	4.588	3.572
X		22.660	217.800	-0.551	-0.766	0.668	0.661	0.861	3.032	4.162	3.373
σ		1.626	2.655	0.054	0.020	0.079	0.026	0.084	0.303	0.529	0.181
%RSD		7.177	1.219	9.846	2.668	11.820	3.949	9.764	10.000	12.710	5.378
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:07:00	0.331	22.000	3.391	0.000	0.000	4.096	TM 621.000	104.391%	6.942	7.369
2	17:08:05	0.164	22.340	2.954	0.000	0.000	3.560	TM 594.200	106.906%	7.128	7.258
3	17:09:11	0.321	23.700	3.126	0.000	0.000	3.602	TM 623.200	103.235%	8.255	8.242
X		0.272	22.680	3.157	0.000	0.000	3.753	TM 612.800	104.844%	7.442	7.623
σ		0.093	0.901	0.220	0.000	0.000	0.298	TM 16.120	1.877%	0.710	0.539
%RSD		34.300	3.974	6.978	0.000	0.000	7.940	TM 2.631	1.790	9.543	7.071
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:07:00	7.148	94.707%	-2.937	0.120	0.447	0.183	0.220	-0.065	0.234	99.480%
2	17:08:05	7.243	98.068%	-2.992	0.065	0.449	0.150	0.166	-0.124	0.130	102.152%
3	17:09:11	8.617	91.317%	-3.508	0.056	0.483	0.187	0.167	-0.168	0.124	98.941%
X		7.669	94.697%	-3.146	0.081	0.460	0.174	0.185	-0.119	0.163	100.191%
σ		0.822	3.376%	0.315	0.035	0.020	0.020	0.030	0.052	0.062	1.719%
%RSD		10.720	3.565	10.010	43.110	4.386	11.630	16.510	43.410	37.880	1.716
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:07:00	-0.001	1.769	1.818	56.510	108.548%	110.137%	0.394	0.272	0.300	0.265
2	17:08:05	-0.002	1.732	1.834	53.210	111.613%	112.045%	0.237	0.117	0.243	0.204
3	17:09:11	0.037	2.015	2.037	56.620	105.602%	106.724%	0.224	0.110	0.256	0.192
X		0.011	1.839	1.896	55.450	108.587%	109.636%	0.285	0.166	0.266	0.220
σ		0.022	0.154	0.122	1.939	3.006%	2.696%	0.094	0.092	0.030	0.039
%RSD		193.500	8.371	6.454	3.497	2.768	2.459	33.140	55.100	11.100	17.600
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	17:07:00	0.220	103.113%	0.000	0.000						
2	17:08:05	0.147	105.925%	0.000	0.000						
3	17:09:11	0.156	100.984%	0.000	0.000						
X		0.174	103.341%	0.000	0.000						
σ		0.040	2.479%	0.000	0.000						
%RSD		22.820	2.399	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:10:42	91.447%	0.008	M 187.700	M 189.400	0.000	TM 45060.000	TM 15250.000	TM 15500.000	27.950	± 0.000
2	17:11:47	91.930%	0.020	M 199.200	M 191.700	0.000	TM 46930.000	TM 15800.000	TM 15840.000	30.150	± 0.000
3	17:12:53	88.948%	0.005	M 183.500	M 209.100	0.000	TM 44530.000	TM 15680.000	TM 15550.000	29.140	± 0.000
X		90.775%	0.011	M 190.100	M 196.700	0.000	TM 45500.000	TM 15580.000	TM 15630.000	29.080	± 0.000
σ		1.601%	0.008	M 8.154	M 10.740	0.000	TM 1262.000	TM 287.800	TM 182.200	1.100	± 0.000
%RSD		1.763	74.440	M 4.289	M 5.460	0.000	TM 2.774	TM 1.848	TM 1.166	3.782	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:10:42	TM 6486.000	M 140200.000	TM 151500.000	98.684%	1.466	0.209	39.780	39.640	291.600	6.242
2	17:11:47	TM 6687.000	M 146800.000	TM 156800.000	94.858%	1.597	-0.450	41.640	40.790	307.700	6.554
3	17:12:53	TM 6483.000	M 144600.000	TM 151400.000	97.361%	1.544	-0.196	40.590	41.410	299.300	6.503
X		TM 6552.000	M 143900.000	TM 153200.000	96.968%	1.536	-0.146	40.670	40.620	299.500	6.433
σ		TM 117.200	M 3348.000	TM 3100.000	1.943%	0.066	0.332	0.934	0.895	8.086	0.167
%RSD		TM 1.789	M 2.327	TM 2.023	2.004	4.302	228.000	2.298	2.204	2.699	2.603
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:10:42	77.820	268.600	-0.529	-0.744	0.633	1.361	1.606	3.976	5.346	4.276
2	17:11:47	82.910	267.500	-0.515	-0.696	0.684	1.551	1.706	4.264	5.362	4.855
3	17:12:53	77.790	267.500	-0.555	-0.702	0.646	1.414	1.746	4.018	4.845	4.570
X		79.510	267.900	-0.533	-0.714	0.654	1.442	1.686	4.086	5.184	4.567
σ		2.949	0.645	0.021	0.026	0.027	0.098	0.072	0.156	0.294	0.289
%RSD		3.709	0.241	3.854	3.672	4.063	6.814	4.260	3.818	5.673	6.334
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:10:42	0.174	23.580	2.692	0.000	0.000	3.264	TM 580.900	104.483%	6.392	6.514
2	17:11:47	0.156	24.580	3.068	0.000	0.000	3.437	TM 598.500	102.676%	6.738	6.994
3	17:12:53	0.009	25.070	2.978	0.000	0.000	3.372	TM 598.500	102.092%	6.883	6.967
X		0.113	24.410	2.913	0.000	0.000	3.358	TM 592.600	103.084%	6.671	6.825
σ		0.090	0.760	0.196	0.000	0.000	0.087	TM 10.150	1.247%	0.252	0.270
%RSD		79.950	3.115	6.745	0.000	0.000	2.606	TM 1.712	1.209	3.784	3.957
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:10:42	6.613	93.019%	-2.103	0.039	0.389	0.155	0.143	-0.052	0.179	98.981%
2	17:11:47	6.867	91.498%	-3.937	0.039	0.514	0.217	0.144	-0.161	0.117	98.309%
3	17:12:53	6.861	91.153%	-3.767	0.036	0.500	0.187	0.147	-0.180	0.133	98.303%
X		6.780	91.890%	-3.269	0.038	0.468	0.187	0.144	-0.131	0.143	98.531%
σ		0.145	0.993%	1.013	0.002	0.069	0.031	0.002	0.069	0.032	0.389%
%RSD		2.134	1.080	30.990	4.724	14.700	16.560	1.514	52.970	22.320	0.395
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:10:42	0.005	1.425	1.464	54.160	108.131%	108.533%	0.163	0.045	0.487	0.432
2	17:11:47	0.037	1.436	1.544	54.810	105.930%	107.230%	0.167	0.047	0.506	0.485
3	17:12:53	0.035	1.503	1.474	55.160	107.178%	107.507%	0.162	0.038	0.483	0.429
X		0.026	1.455	1.494	54.710	107.080%	107.757%	0.164	0.043	0.492	0.449
σ		0.018	0.042	0.044	0.506	1.104%	0.686%	0.003	0.004	0.012	0.032
%RSD		68.890	2.919	2.942	0.925	1.031	0.637	1.549	9.973	2.469	7.073
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	17:10:42	0.382	103.243%	0.000	0.000						
2	17:11:47	0.413	100.983%	0.000	0.000						
3	17:12:53	0.391	101.420%	0.000	0.000						
X		0.395	101.882%	0.000	0.000						
σ		0.016	1.199%	0.000	0.000						
%RSD		4.090	1.176	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:14:24	91.080%	0.016	11.210	11.420	0.000	49.370	16.000	17.430	3.132	±0.000
2	17:15:29	91.979%	0.008	7.512	8.507	0.000	29.320	5.060	5.140	3.029	±0.000
3	17:16:35	93.337%	0.004	6.809	6.978	0.000	21.520	2.777	3.439	2.708	±0.000
x		92.132%	0.009	8.512	8.967	0.000	33.400	7.946	8.669	2.956	±0.000
σ		1.136%	0.006	2.366	2.255	0.000	14.360	7.068	7.632	0.221	±0.000
%RSD		1.233	68.540	27.800	25.140	0.000	43.000	88.960	88.040	7.488	±0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:14:24	3.556	120.400	137.600	92.823%	-0.104	-0.665	0.617	-0.648	326.600	0.152
2	17:15:29	1.322	52.030	50.190	94.315%	-0.059	-0.314	0.541	0.425	322.900	0.127
3	17:16:35	0.032	20.160	35.030	93.849%	-0.090	-0.464	0.605	0.355	330.200	0.111
x		1.637	64.180	74.280	93.662%	-0.084	-0.481	0.588	0.044	326.600	0.130
σ		1.783	51.190	55.370	0.764%	0.023	0.176	0.041	0.600	3.639	0.021
%RSD		109.000	79.760	74.540	0.815	27.740	36.550	6.947	1362.000	1.114	16.060
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:14:24	6.667	2.802	0.013	0.175	0.341	0.291	0.443	0.453	0.162	-0.108
2	17:15:29	7.398	2.572	0.001	0.161	0.334	0.359	0.544	0.427	0.127	-0.408
3	17:16:35	5.540	1.706	0.004	0.085	0.254	0.255	0.548	0.412	0.024	-0.289
x		6.535	2.360	0.006	0.140	0.310	0.302	0.512	0.431	0.104	-0.269
σ		0.936	0.578	0.006	0.048	0.048	0.053	0.060	0.021	0.072	0.151
%RSD		14.320	24.490	94.480	34.260	15.520	17.440	11.700	4.764	68.880	56.250
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:14:24	-0.049	13.500	-0.125	0.000	0.000	0.047	0.474	98.520%	-0.118	-0.075
2	17:15:29	-0.030	13.290	-0.194	0.000	0.000	0.120	0.183	100.099%	-0.131	0.032
3	17:16:35	0.040	13.890	-0.176	0.000	0.000	0.025	0.111	98.074%	0.049	0.023
x		-0.013	13.560	-0.165	0.000	0.000	0.064	0.256	98.897%	-0.066	-0.007
σ		0.047	0.303	0.036	0.000	0.000	0.050	0.192	1.064%	0.101	0.059
%RSD		360.300	2.235	21.800	0.000	0.000	77.760	75.060	1.076	151.300	891.600
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:14:24	-0.089	99.520%	-0.218	0.023	0.259	0.065	0.130	0.002	0.231	101.242%
2	17:15:29	-0.032	97.368%	-0.673	0.013	0.291	0.094	0.125	-0.016	0.213	100.525%
3	17:16:35	0.033	97.575%	-0.215	0.019	0.261	0.094	0.121	-0.006	0.228	100.112%
x		-0.029	98.154%	-0.368	0.018	0.270	0.084	0.125	-0.006	0.224	100.626%
σ		0.061	1.187%	0.263	0.005	0.018	0.017	0.004	0.009	0.009	0.572%
%RSD		207.000	1.209	71.480	26.250	6.640	20.060	3.305	139.100	4.230	0.568
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:14:24	0.127	0.371	0.373	0.097	107.142%	107.467%	0.143	0.017	0.238	0.208
2	17:15:29	0.132	0.401	0.423	0.084	105.154%	105.824%	0.132	0.015	0.244	0.237
3	17:16:35	0.155	0.437	0.501	0.051	104.448%	104.643%	0.133	0.013	0.247	0.211
x		0.138	0.403	0.433	0.077	105.581%	105.978%	0.136	0.015	0.243	0.218
σ		0.015	0.033	0.064	0.024	1.397%	1.418%	0.006	0.002	0.005	0.016
%RSD		10.800	8.221	14.860	30.760	1.323	1.338	4.330	13.900	1.895	7.247
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	17:14:24	0.164	109.737%	0.000	0.000						
2	17:15:29	0.174	109.300%	0.000	0.000						
3	17:16:35	0.163	108.590%	0.000	0.000						
x		0.167	109.209%	0.000	0.000						
σ		0.006	0.579%	0.000	0.000						
%RSD		3.608	0.530	0.000	0.000						

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SAMPLECONF 11/2/2010 17:33:45

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:34:50	91.768%	0.085	4.333	4.237	0.000	-8.013	-0.398	-0.017	-0.329	±0.000
2	17:35:55	92.714%	0.004	3.540	2.735	0.000	-8.712	-1.089	-0.730	-1.042	±0.000
3	17:37:01	95.373%	0.007	3.195	2.567	0.000	-8.778	-1.192	-0.733	-1.119	±0.000
x		93.285%	0.032	3.690	3.179	0.000	-8.501	-0.893	-0.493	-0.830	±0.000
σ		1.869%	0.046	0.583	0.919	0.000	0.424	0.431	0.412	0.436	±0.000
%RSD		2.004	143.100	15.810	28.910	0.000	4.986	48.320	83.560	52.480	±0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:34:50	-1.388	-30.510	-20.490	91.577%	-0.094	-0.010	0.437	-0.283	270.500	0.066
2	17:35:55	-1.247	-26.640	-20.800	92.427%	-0.145	-0.117	0.306	0.477	269.900	0.016
3	17:37:01	-0.445	-29.830	-21.330	92.108%	-0.161	-0.129	0.322	0.054	276.000	0.004
x		-1.026	-28.990	-20.870	92.037%	-0.133	-0.085	0.355	0.083	272.100	0.029
σ		0.509	2.066	0.423	0.429%	0.035	0.065	0.071	0.381	3.404	0.033
%RSD		49.560	7.125	2.026	0.466	26.090	76.700	20.080	460.500	1.251	114.800
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:34:50	0.297	-1.921	0.045	0.075	0.234	-0.229	-0.003	-0.770	-1.230	-1.450
2	17:35:55	0.206	-1.591	-0.009	0.107	0.159	-0.281	-0.069	-0.724	-1.070	-1.357
3	17:37:01	2.823	-2.137	-0.010	0.068	0.220	-0.234	-0.039	-0.825	-1.211	-1.499
x		1.109	-1.883	0.008	0.083	0.204	-0.248	-0.037	-0.773	-1.170	-1.435
σ		1.485	0.275	0.032	0.021	0.040	0.029	0.033	0.051	0.088	0.072
%RSD		134.000	14.600	376.200	24.750	19.540	11.520	89.230	6.535	7.486	5.033
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:34:50	0.228	9.850	-0.099	0.000	0.000	0.198	0.044	96.040%	1.264	1.381
2	17:35:55	0.012	9.781	-0.177	0.000	0.000	0.065	-0.005	97.621%	1.102	1.163
3	17:37:01	0.038	10.040	-0.166	0.000	0.000	0.094	-0.015	94.751%	1.444	1.513
x		0.093	9.891	-0.147	0.000	0.000	0.119	0.008	96.137%	1.270	1.352
σ		0.118	0.134	0.042	0.000	0.000	0.070	0.032	1.437%	0.171	0.177
%RSD		127.200	1.357	28.660	0.000	0.000	58.580	403.000	1.495	13.480	13.090
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:34:50	1.255	95.316%	-0.867	0.069	0.302	0.066	0.164	0.011	0.263	96.980%
2	17:35:55	1.186	94.030%	-0.015	0.026	0.245	0.066	0.133	0.011	0.239	97.071%
3	17:37:01	1.447	94.037%	-0.849	0.034	0.303	0.096	0.137	-0.052	0.182	95.783%
x		1.296	94.461%	-0.577	0.043	0.284	0.076	0.144	-0.010	0.228	96.611%
σ		0.136	0.741%	0.487	0.023	0.033	0.017	0.017	0.036	0.042	0.719%
%RSD		10.460	0.784	84.300	53.930	11.800	22.950	11.720	359.400	18.310	0.744
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:34:50	0.461	1.542	1.521	0.006	100.577%	101.947%	0.234	0.118	0.126	0.096
2	17:35:55	0.636	1.375	1.481	-0.005	100.873%	100.371%	0.185	0.056	0.079	0.036
3	17:37:01	0.811	1.531	1.531	-0.033	99.404%	99.935%	0.178	0.054	0.084	0.046
x		0.636	1.483	1.511	-0.011	100.285%	100.751%	0.199	0.076	0.096	0.059
σ		0.175	0.093	0.027	0.020	0.777%	1.058%	0.031	0.037	0.026	0.032
%RSD		27.560	6.303	1.757	183.000	0.775	1.050	15.470	48.230	26.930	54.500
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	17:34:50	0.044	105.423%	0.000	0.000						
2	17:35:55	-0.004	103.504%	0.000	0.000						
3	17:37:01	-0.003	103.409%	0.000	0.000						
x		0.012	104.112%	0.000	0.000						
σ		0.027	1.136%	0.000	0.000						
%RSD		226.300	1.091	0.000	0.000						

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ccv 11/2/2010 17:37:27

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:33	91.557%	49.810	50.530	53.650	0.000	495.700	515.400	500.800	±533.400	±0.000
2	17:39:38	89.256%	51.230	55.950	58.680	0.000	514.000	542.800	525.700	±555.300	±0.000
3	17:40:43	92.733%	48.370	50.220	57.610	0.000	521.200	526.000	521.100	±542.500	±0.000
x		91.182%	49.800	52.240	56.650	0.000	510.300	528.000	515.900	±543.700	±0.000
σ		1.768%	1.430	3.222	2.651	0.000	13.190	13.810	13.260	±11.010	±0.000
%RSD		1.939	2.871	6.169	4.680	0.000	2.584	2.615	2.570	±2.024	±0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:33	502.900	537.600	513.900	92.950%	48.030	49.310	49.360	49.650	271.800	50.000
2	17:39:38	508.500	552.300	543.500	90.267%	51.810	52.060	52.420	54.030	251.100	51.830
3	17:40:43	510.600	551.300	519.800	92.429%	51.400	49.480	50.220	48.250	255.500	50.350
x		507.300	547.100	525.800	91.882%	50.410	50.280	50.670	50.640	259.500	50.730
σ		3.992	8.216	15.680	1.422%	2.072	1.539	1.578	3.017	10.930	0.970
%RSD		0.787	1.502	2.981	1.548	4.111	3.060	3.114	5.958	4.213	1.912
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:33	±532.600	537.100	49.840	49.390	48.690	50.170	49.050	47.750	48.760	48.930
2	17:39:38	±551.600	550.000	51.190	51.290	50.300	50.420	50.590	50.140	50.640	50.120
3	17:40:43	±537.100	522.800	50.900	49.460	48.410	49.920	48.560	49.390	47.050	48.920
x		±540.400	536.600	50.650	50.050	49.130	50.170	49.400	49.090	48.820	49.320
σ		±9.919	13.610	0.711	1.076	1.021	0.249	1.061	1.225	1.796	0.687
%RSD		±1.835	2.537	1.404	2.150	2.078	0.497	2.147	2.496	3.679	1.393
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:33	49.200	58.550	50.420	0.000	0.000	50.540	49.390	95.245%	49.650	49.530
2	17:39:38	49.870	59.640	50.860	0.000	0.000	51.690	50.940	95.438%	51.340	51.640
3	17:40:43	48.750	58.720	50.130	0.000	0.000	49.690	50.290	96.807%	50.790	50.610
x		49.280	58.970	50.470	0.000	0.000	50.640	50.210	95.830%	50.590	50.590
σ		0.564	0.587	0.369	0.000	0.000	0.999	0.777	0.851%	0.861	1.052
%RSD		1.144	0.996	0.732	0.000	0.000	1.973	1.547	0.888	1.701	2.080
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:33	49.140	93.139%	49.400	49.910	0.371	47.480	49.680	49.580	48.810	98.293%
2	17:39:38	51.940	92.770%	52.700	50.920	0.549	53.140	51.100	52.120	50.990	96.170%
3	17:40:43	50.700	94.621%	51.100	49.750	0.444	50.260	49.400	51.060	49.930	97.166%
x		50.590	93.510%	51.060	50.190	0.455	50.290	50.060	50.920	49.910	97.210%
σ		1.404	0.980%	1.652	0.634	0.090	2.833	0.907	1.276	1.089	1.062%
%RSD		2.775	1.048	3.236	1.263	19.730	5.633	1.811	2.506	2.182	1.093
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:33	48.050	49.040	48.560	48.450	101.092%	100.324%	49.510	49.500	48.430	49.680
2	17:39:38	50.100	51.110	50.810	50.530	100.169%	99.822%	49.870	50.900	50.770	50.860
3	17:40:43	49.090	49.370	49.410	49.010	102.548%	100.647%	50.000	49.810	49.670	49.570
x		49.080	49.840	49.590	49.330	101.270%	100.264%	49.790	50.070	49.620	50.040
σ		1.027	1.113	1.138	1.077	1.200%	0.416%	0.257	0.734	1.170	0.714
%RSD		2.092	2.234	2.295	2.183	1.185	0.415	0.516	1.465	2.358	1.428
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	17:38:33	48.760	105.337%	0.000	0.000						
2	17:39:38	50.310	104.009%	0.000	0.000						
3	17:40:43	49.270	106.012%	0.000	0.000						
x		49.440	105.119%	0.000	0.000						
σ		0.790	1.019%	0.000	0.000						
%RSD		1.598	0.969	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:42:14	96.679%	0.084	4.567	3.611	0.000	-8.499	-0.163	0.043	-0.178	±0.000
2	17:43:19	97.227%	0.018	3.049	2.775	0.000	-8.734	-1.135	-0.658	-1.068	±0.000
3	17:44:25	96.768%	0.007	2.943	2.428	0.000	-8.678	-1.210	-0.677	-1.075	±0.000
x		96.891%	0.036	3.520	2.938	0.000	-8.637	-0.836	-0.431	-0.773	±0.000
σ		0.294%	0.042	0.909	0.608	0.000	0.123	0.585	0.411	0.516	±0.000
%RSD		0.303	114.200	25.820	20.690	0.000	1.424	69.920	95.330	66.700	±0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:42:14	-2.349	-29.350	-20.110	96.294%	-0.047	-0.210	0.327	-1.462	244.000	0.072
2	17:43:19	-2.364	-31.030	-20.880	95.536%	-0.116	-0.669	0.256	-2.287	252.700	0.015
3	17:44:25	-2.754	-30.720	-21.330	96.284%	-0.141	-0.120	0.262	0.012	244.800	0.014
x		-2.489	-30.370	-20.770	96.038%	-0.101	-0.333	0.282	-1.245	247.200	0.033
σ		0.230	0.892	0.616	0.435%	0.049	0.294	0.039	1.165	4.863	0.033
%RSD		9.234	2.938	2.966	0.452	48.260	88.430	14.020	93.510	1.968	99.770
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:42:14	-1.568	-2.622	0.041	0.089	0.178	-0.199	0.015	-0.654	-1.247	-1.320
2	17:43:19	-1.291	-1.912	-0.007	0.095	0.139	-0.285	-0.052	-0.754	-1.171	-1.446
3	17:44:25	-0.536	-2.246	-0.012	0.053	0.083	-0.264	-0.062	-0.819	-1.381	-1.541
x		-1.131	-2.260	0.007	0.079	0.133	-0.249	-0.033	-0.742	-1.267	-1.435
σ		0.534	0.355	0.029	0.023	0.047	0.045	0.042	0.083	0.106	0.111
%RSD		47.210	15.710	396.900	29.120	35.660	18.040	128.200	11.240	8.388	7.706
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:42:14	0.044	8.290	-0.190	0.000	0.000	0.174	0.042	99.468%	1.237	1.333
2	17:43:19	-0.048	8.616	-0.317	0.000	0.000	0.098	-0.009	98.683%	0.967	1.082
3	17:44:25	-0.023	8.825	-0.189	0.000	0.000	0.119	-0.008	97.263%	1.133	1.205
x		-0.009	8.577	-0.232	0.000	0.000	0.130	0.008	98.472%	1.112	1.207
σ		0.047	0.269	0.073	0.000	0.000	0.039	0.029	1.117%	0.136	0.125
%RSD		531.200	3.140	31.640	0.000	0.000	30.170	347.000	1.135	12.240	10.380
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:42:14	1.287	99.897%	0.457	0.053	0.223	0.178	0.167	0.078	0.280	100.318%
2	17:43:19	1.091	96.684%	-0.604	0.033	0.289	0.124	0.131	-0.031	0.198	99.133%
3	17:44:25	1.259	97.067%	-0.395	0.034	0.270	0.065	0.137	-0.013	0.207	101.029%
x		1.212	97.883%	-0.181	0.040	0.260	0.122	0.145	0.011	0.228	100.160%
σ		0.106	1.755%	0.562	0.011	0.034	0.057	0.019	0.058	0.045	0.958%
%RSD		8.733	1.793	311.200	28.670	13.090	46.260	13.310	527.800	19.720	0.956
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:42:14	0.463	1.504	1.590	0.022	103.914%	103.635%	0.251	0.108	0.120	0.088
2	17:43:19	0.603	1.425	1.406	-0.030	102.449%	102.950%	0.172	0.053	0.084	0.051
3	17:44:25	0.772	1.439	1.502	-0.019	102.795%	103.653%	0.174	0.050	0.086	0.050
x		0.613	1.456	1.499	-0.009	103.053%	103.413%	0.199	0.070	0.097	0.063
σ		0.155	0.042	0.092	0.027	0.766%	0.401%	0.045	0.032	0.020	0.022
%RSD		25.220	2.905	6.134	303.700	0.743	0.387	22.630	45.630	20.980	34.610
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	17:42:14	0.038	106.835%	0.000	0.000						
2	17:43:19	0.002	106.645%	0.000	0.000						
3	17:44:25	-0.001	105.953%	0.000	0.000						
x		0.013	106.478%	0.000	0.000						
σ		0.022	0.464%	0.000	0.000						
%RSD		166.800	0.436	0.000	0.000						

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NOTE: The remaining raw data for this batch is not relevant to this job. As such it has been omitted.

## Autotune report

Sequence name : 1] XSII Xt NO Screen(050310)

Sequence version : 8/24/2010 09:33:16

Acquired at : 11/2/2010 08:55:32

Result : Passed

Stage	Analyte	Result
Define conditions for stage 1	115In	149326.42
Define conditions for stage 2	115In	158971.24
	156Ce O/140Ce	0.0119
Define conditions for stage 3	7Li	27320.99
	115In	158696.50
	238U	259172.45
	156Ce O/140Ce	0.0114
	138Ba ++/138Ba	0.0293
Define conditions for stage 4	7Li	29190.12
	115In	176286.14
	238U	290897.55
	156Ce O/140Ce	0.0104
	138Ba ++/138Ba	0.0276

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## Performance Report

## Sample details

Acquired at : 11/2/2010 12:53:04

Report name : 1] XSII Xt NO Screen(020310) [11/2/2010 10:27:26]

## Mass Calibration verification

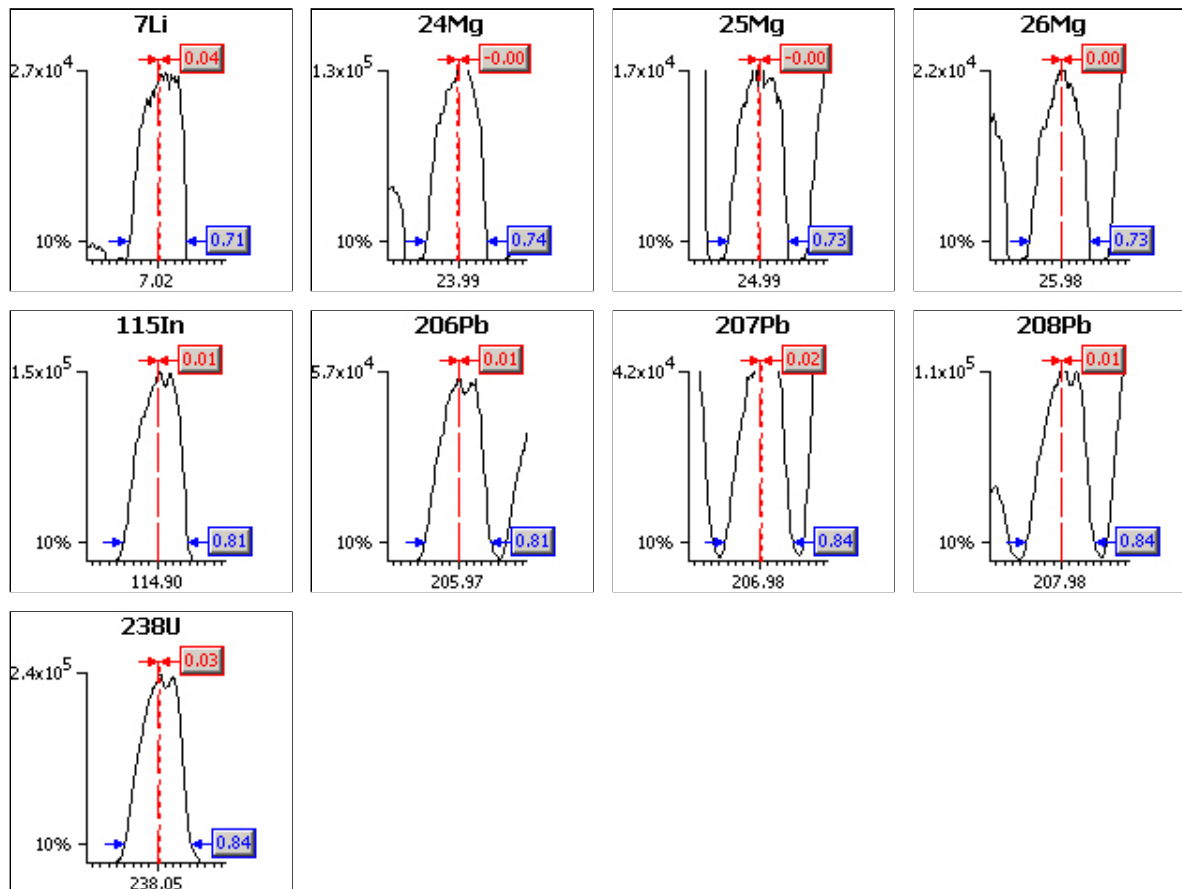
## Acquisition parameters

Sweeps : 20

Dwell : 1.0 mSecs

Point spacing : 0.01 amu

Peak width measured at 10% of the peak maximum



Analyte	Limits			Results	
	Max. width	Min. width	Max. error	Peak width	Peak error
7Li	0.85	0.65	0.10	0.71	0.04
24Mg	0.85	0.65	0.10	0.74	-0.00
25Mg	0.85	0.65	0.10	0.73	-0.00
26Mg	0.85	0.65	0.10	0.73	0.00
115In	0.85	0.65	0.10	0.81	0.01
206Pb	0.85	0.65	0.10	0.81	0.01
207Pb	0.85	0.65	0.10	0.84	0.02
208Pb	0.85	0.65	0.10	0.84	0.01
238U	0.85	0.65	0.10	0.84	0.03

## Sample details

Acquired at : 11/2/2010 12:53:04

Report name : 1] XSII Xt NO Screen(020310) [11/2/2010 10:27:26]

## Tune conditions

Major		Minor		Global		Add. Gases	
Extraction	-121.6	Lens 3	-195.3	Standard resolution	145		
Lens 1	-1208	Forward power	1404	High resolution	125		
Lens 2	-80.0	Horizontal	69	Analogue Detector	2049		
Focus	16.1	Vertical	345	PC Detector	3199		
D1	-38.4	DA	-36.1				
D2	-140	Cool	13.0				
Pole Bias	0.2	Auxiliary	0.80				
Hexapole Bias	-4.0	Sampling Depth	100				
Nebuliser	0.90						

## Sensitivity and stability results

## Acquisition parameters

Sweeps : 130

Run	Time	5Bkg	7Li	24Mg	25Mg	26Mg	56Ar O	59Co	138Ba++	101Bkg
Dwell (mSecs)		100.0	10.0	10.0	10.0	10.0	10.0	10.0	30.0	100.0
Limits	%RSD	-	5.0%	5.0%	5.0%	5.0%	-	-	-	-
	Countrate	-	>15000	>1000	>1000	>1000	-	-	-	-
1	12:53:37	0.000	27605.697	128836.51	17842.107	20783.731	334798.08	68252.950	2850.447	0.000
2	12:54:51	0.000	27119.622	128203.04	17106.850	20584.818	337946.02	66086.260	2706.813	0.077
3	12:56:05	0.000	27378.858	133182.32	18348.498	21367.389	343580.67	67187.364	2751.442	0.000
4	12:57:19	0.000	28537.799	129939.74	17717.248	21340.403	330033.13	66690.649	2792.993	0.000
5	12:58:34	0.000	28715.280	133188.56	17983.154	21523.912	340026.08	68263.025	2849.421	0.077
x		0.000	27871.451	130670.03	17799.571	21120.050	337276.80	67296.050	2790.223	0.031
σ		0.00	713.19	2378.85	453.73	410.01	5156.55	960.81	62.45	0.04
%RSD		0.000	2.559	1.821	2.549	1.941	1.529	1.428	2.238	136.931

Run	Time	115In	138Ba	140Ce	156Ce O	204Pb	206Pb	207Pb	208Pb	220Bkg
Dwell (mSecs)		10.0	10.0	10.0	30.0	10.0	10.0	10.0	10.0	100.0
Limits	%RSD	5.0%	-	-	-	-	5.0%	5.0%	5.0%	-
	Countrate	>100000	-	-	-	-	>100	>100	>100	<1
1	12:53:37	146622.17	96592.755	143460.00	1495.508	2936.628	54815.533	46483.150	116875.73	0.000
2	12:54:51	144723.64	95757.060	140297.37	1510.125	2858.142	55222.601	45651.258	114656.97	0.000
3	12:56:05	146814.46	96167.513	140268.47	1492.943	2905.849	54030.857	45883.191	115529.45	0.000
4	12:57:19	148644.61	98437.772	141457.45	1573.726	2966.638	55862.648	46892.165	116062.33	0.077
5	12:58:34	149629.03	99087.854	143138.07	1527.308	3008.190	55264.392	47113.304	117461.67	0.077
x		147286.78	97208.591	141724.27	1519.922	2935.089	55039.206	46404.614	116117.23	0.031
σ		1908.16	1467.36	1519.72	33.05	57.27	676.24	629.59	1102.69	0.04
%RSD		1.296	1.509	1.072	2.174	1.951	1.229	1.357	0.950	136.931

Run	Time	238U
Dwell (mSecs)		10.0
Limits	%RSD	5.0%
	Countrate	>150000
1	12:53:37	237102.16
2	12:54:51	235028.57
3	12:56:05	236338.03
4	12:57:19	239293.86
5	12:58:34	243569.02
x		238266.33
σ		3344.06
%RSD		1.403

## Ratio results

Run	Time	138Ba++/138Ba	115In/220Bkg	156Ce O/140Ce
Ratio limits		<0.0450	>100000.0000	<0.0200
1	12:53:37	0.030	INF	0.010
2	12:54:51	0.028	INF	0.011
		0.029	INF	0.011

3	12:56:05			
4	12:57:19	0.028	1932380.0	0.011
5	12:58:34	0.029	1945177.4	0.011
$\bar{x}$		0.0287	1938778.7	0.0107
$\sigma$		0.00	1061922.44	0.00
%RSD		1.7076	54.7728	2.3839

Result : The performance report passed.

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**ACCUTEST**

Aqueous Digestion Log MP Batch ID: MP55425

ICP-MS

ICP-MS DIGESTION METHOD: EPA 200.8

Heating Method (circle one): Digestion Block

Method Blank ID:	MP55425	Prep Date:	11/1/10
Lab Control/Spike Blank ID:		Start Time:	09:00
		Start Temp:	93+0=93
		Thermometer ID #:	143
Lab Control Source:		End Time:	15:00
		End Temp:	94+0=94
DUP 1 Sample ID:	Acceptable temperature Ranges:		
DUP 2 Sample ID:	EPA 200.8 90 to 95 deg. C		
MS 1 Sample ID:	JA59191-6F		
MS 2 Sample ID:	JA59191-6F		

Note: Serial dilution shown for QC tracking only. Not a separate digestate.

Sample ID	Pres Y/N	Initial Sample Volume	Final Volume in ML	Acids Used		Spikes Used		Comments
				Amount and Name	Added Y or N	Amount and Name	Added Y or N	
MP 55425-MB1	N	50	50	1.0 ml of 1:1 HNO3	Y			
MP 55425-LC1	↓			0.50 ml 1:1 HCL	Y	0.25 ml Se (20 ppm), 0.25 ml CAL-1 6020, 0.10 ml min (200 ppm)	Y	
MP 55425-s 1	Y					0.25 ml Se (20 ppm), 0.25 ml CAL-1 6020, 0.10 ml min (200 ppm)	Y	
MP 55425-s 2						0.25 ml Se (20 ppm), 0.25 ml CAL-1 6020, 0.10 ml min (200 ppm)	Y	
MP 55425-SD 1								
1 JA59191-6								
2 ↓ -7								
3 ↓ -6F								
4 T62490-2								
5 T62494-1								
6 ↓ -2								
7 ↓ -3								
8 ↓ -4								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

Analyst: *[Signature]* 11/1/10

QC Reviewer:

*[Signature]* 11/1/10

Form AA018F-01  
Rev. Date: 01/15/10

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## General Chemistry

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### QC Data Summaries

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Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries
- Instrument Runlogs/QC

METHOD BLANK AND SPIKE RESULTS SUMMARY  
GENERAL CHEMISTRYLogin Number: JA59191B  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 153, Langer

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Chromium, Hexavalent	GP55951/GN43587	0.0055	0.0	mg/l	0.0501	0.0506	101.1	90-110%

## Associated Samples:

Batch GP55951: JA59191-6, JA59191-6F, JA59191-7

(\*) Outside of QC limits

DUPLICATE RESULTS SUMMARY  
GENERAL CHEMISTRY

Login Number: JA59191B  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 153, Langer

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Chromium, Hexavalent	GP55951/GN43587	JA59191-1	mg/l	0.0	0.0	0.0	0-20%

Associated Samples:

Batch GP55951: JA59191-6, JA59191-6F, JA59191-7

(\*) Outside of QC limits

6.2  
6

MATRIX SPIKE RESULTS SUMMARY  
GENERAL CHEMISTRY

Login Number: JA59191B  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 153, Langer

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chromium, Hexavalent	GP55951/GN43587	JA59191-1	mg/l	0.0	0.0501	0.030	59.9N(a)	85-115%

Associated Samples:

Batch GP55951: JA59191-6, JA59191-6F, JA59191-7

(\*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(a) Spike recovery indicates possible matrix interference.

6.3

6



Accutest Laboratories Instrument Runlog  
Inorganics Analyses

Login Number: JA59191B  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 153, Langer

File ID: 610102001.TXT Date Analyzed: 10/20/10 Methods: SW846 7199  
Analyst: BD Run ID: GN43587  
Parameters: Chromium, Hexavalent

Time	Sample Description	Dilution Factor	PS Recov	Comments
07:37	GN43587-STD1	1		STDA
07:45	GN43587-STD2	1		STDB
07:53	GN43587-STD3	1		STDC
08:01	GN43587-STD4	1		STDD
08:09	GN43587-STD5	1		STDE
08:17	GN43587-CCV1	1		
08:25	GN43587-CCB1	1		
08:33	GP55951-MB1	1		
08:41	GP55951-MB1	1		
08:49	GP55951-B1	1		
08:57	GP55951-B1	1		
09:05	JA59191-1	1		(sample used for QC only; not part of login JA59191B)
09:13	JA59191-1	1		(sample used for QC only; not part of login JA59191B)
09:21	JA59191-1F	1		(sample used for QC only; not part of login JA59191B)
09:29	JA59191-1F	1		(sample used for QC only; not part of login JA59191B)
09:37	GP55951-D1	1		
09:45	GP55951-D1	1		
09:53	GP55951-D2	1		
10:01	GP55951-D2	1		
10:09	GP55951-S1	1		
10:17	GP55951-S1	1		
10:25	GP55951-S2	1		
10:32	GP55951-S2	1		
10:40	GP55951-S1	1		
10:48	GP55951-S1	1		
10:56	GP55951-S2	1		
11:04	GP55951-S2	1		
11:12	GN43587-CCV2	1		
11:20	GN43587-CCB2	1		
11:28	ZZZZZ	1		
11:36	ZZZZZ	1		
11:44	ZZZZZ	1		
11:52	ZZZZZ	1		

Accutest Laboratories Instrument Runlog  
Inorganics Analyses

Login Number: JA59191B  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 153, Langer

File ID: 610102001.TXT Date Analyzed: 10/20/10 Methods: SW846 7199  
Analyst: BD Run ID: GN43587  
Parameters: Chromium, Hexavalent

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:00	ZZZZZZ	1		
12:08	ZZZZZZ	1		
12:16	ZZZZZZ	1		
12:23	ZZZZZZ	1		
12:31	ZZZZZZ	1		
12:39	ZZZZZZ	1		
12:47	ZZZZZZ	1		
12:55	ZZZZZZ	1		
13:03	ZZZZZZ	1		
13:11	ZZZZZZ	1		
13:19	ZZZZZZ	1		
13:27	ZZZZZZ	1		
13:35	JA59191-6	1		
13:43	JA59191-6	1		
13:50	JA59191-6F	1		
13:58	JA59191-6F	1		
14:06	GN43587-CCV3	1		
14:14	GN43587-CCB3	1		
14:22	JA59191-7	1		
14:30	JA59191-7	1		
14:38	GN43587-CCV4	1		
14:46	GN43587-CCB4	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary  
Inorganics Analyses

Login Number: JA59191B  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 153, Langer

File ID: 610102001.TXT

Date Analyzed: 10/20/10  
Run ID: GN43587

Methods: SW846 7199  
Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN43587-CCV1	Chromium, Hexavalent	0.26	0.0050	0.0022	.25	104.0	90-110
GN43587-CCB1	Chromium, Hexavalent	0.0022 U	0.0050	0.0022			
GN43587-CCV2	Chromium, Hexavalent	0.25	0.0050	0.0022	.25	100.0	90-110
GN43587-CCB2	Chromium, Hexavalent	0.0022 U	0.0050	0.0022			
GN43587-CCV3	Chromium, Hexavalent	0.25	0.0050	0.0022	.25	100.0	90-110
GN43587-CCB3	Chromium, Hexavalent	0.0022 U	0.0050	0.0022			
GN43587-CCV4	Chromium, Hexavalent	0.25	0.0050	0.0022	.25	100.0	90-110
GN43587-CCB4	Chromium, Hexavalent	0.0022 U	0.0050	0.0022			

(!) Outside of QC limits

6.4

6

General Chemistry

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Raw Data

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7

Sequence: 610102001  
Operator: chemistry

Title: NJCHMIC2\_local  
Location: Accutest\2010\October  
Timebase: accutest  
#Samples: 56

Created: 10/20/2010 7:03:13 AM by chemistry  
Last Update: 10/20/2010 10:25:50 AM by chemistry

No.	Name	Type	Pos.	Program	Method	Status	Inj. Date/Time	Weight	Dil. Factor
1	blankconf	Unknown	1	hexachrome_ASDV	hexachrome	Finished	10/20/2010 7:30:30 AM	1.0000	1.0000
2	STDA	Standard	2	hexachrome_ASDV	hexachrome	Finished	10/20/2010 7:37:49 AM	1.0000	1.0000
3	STDB	Standard	3	hexachrome_ASDV	hexachrome	Finished	10/20/2010 7:45:44 AM	1.0000	1.0000
4	STDC	Standard	4	hexachrome_ASDV	hexachrome	Finished	10/20/2010 7:53:38 AM	1.0000	1.0000
5	STDD	Standard	5	hexachrome_ASDV	hexachrome	Finished	10/20/2010 8:01:33 AM	1.0000	1.0000
6	STDE	Standard	6	hexachrome_ASDV	hexachrome	Finished	10/20/2010 8:09:27 AM	1.0000	1.0000
7	CCV	Unknown	7	hexachrome_ASDV	hexachrome	Finished	10/20/2010 8:17:21 AM	1.0000	1.0000
8	CCB	Unknown	8	hexachrome_ASDV	hexachrome	Finished	10/20/2010 8:25:16 AM	1.0000	1.0000
9	GP55951-MB1	Unknown	9	hexachrome_ASDV	hexachrome	Finished	10/20/2010 8:33:10 AM	1.0000	1.0000
10	GP55951-MB1	Unknown	10	hexachrome_ASDV	hexachrome	Finished	10/20/2010 8:41:05 AM	1.0000	1.0000
11	GP55951-B1	Unknown	11	hexachrome_ASDV	hexachrome	Finished	10/20/2010 8:49:00 AM	1.0000	1.0000
12	GP55951-B1	Unknown	12	hexachrome_ASDV	hexachrome	Finished	10/20/2010 8:57:59 AM	1.0000	1.0000
13	JA59191-1	Unknown	13	hexachrome_ASDV	hexachrome	Finished	10/20/2010 9:05:53 AM	1.0000	1.0000
14	JA59191-1	Unknown	14	hexachrome_ASDV	hexachrome	Finished	10/20/2010 9:13:48 AM	1.0000	1.0000
15	JA59191-1F	Unknown	15	hexachrome_ASDV	hexachrome	Finished	10/20/2010 9:21:42 AM	1.0000	1.0000
16	JA59191-1F	Unknown	16	hexachrome_ASDV	hexachrome	Finished	10/20/2010 9:29:36 AM	1.0000	1.0000
17	GP55951-D1	Unknown	17	hexachrome_ASDV	hexachrome	Finished	10/20/2010 9:37:31 AM	1.0000	1.0000
18	GP55951-D1	Unknown	18	hexachrome_ASDV	hexachrome	Finished	10/20/2010 9:45:25 AM	1.0000	1.0000
19	GP55951-D2	Unknown	19	hexachrome_ASDV	hexachrome	Finished	10/20/2010 9:53:20 AM	1.0000	1.0000
20	GP55951-D2	Unknown	20	hexachrome_ASDV	hexachrome	Finished	10/20/2010 10:01:14 AM	1.0000	1.0000
21	GP55951-S1	Unknown	21	hexachrome_ASDV	hexachrome	Finished	10/20/2010 10:09:08 AM	1.0000	1.0000
22	GP55951-S1	Unknown	22	hexachrome_ASDV	hexachrome	Finished	10/20/2010 10:17:31 AM	1.0000	1.0000
23	GP55951-S2	Unknown	23	hexachrome_ASDV	hexachrome	Finished	10/20/2010 10:25:02 AM	1.0000	1.0000
24	GP55951-S2	Unknown	24	hexachrome_ASDV	hexachrome	Finished	10/20/2010 10:32:57 AM	1.0000	1.0000
25	GP55951-S1	Unknown	1	hexachrome_ASDV	hexachrome	Finished	10/20/2010 10:40:51 AM	1.0000	1.0000
26	GP55951-S1	Unknown	2	hexachrome_ASDV	hexachrome	Finished	10/20/2010 10:48:54 AM	1.0000	1.0000
27	GP55951-S2	Unknown	3	hexachrome_ASDV	hexachrome	Finished	10/20/2010 10:56:48 AM	1.0000	1.0000

GN43587

Title: NJCHMIC2\_local  
 Datasource: Accutest\2010\October  
 Location: accutest  
 Timebase: 56  
 #Samples: 56  
 Created: 10/20/2010 7:03:13 AM by chemistry  
 Last Update: 10/20/2010 10:25:50 AM by chemistry

No.	Name	Type	Pos.	Program	Method	Status	Inj. Date/Time	Weight	Dil. Factor
28	GP55951-S2	Unknown	4	hexachrome_ASDV	hexachrome	Finished	10/20/2010 11:04:43 AM	1.0000	1.0000
29	CCV	Unknown	29	hexachrome_ASDV	hexachrome	Finished	10/20/2010 11:12:37 AM	1.0000	1.0000
30	CCB	Unknown	30	hexachrome_ASDV	hexachrome	Finished	10/20/2010 11:20:41 AM	1.0000	1.0000
31	JA59191-2	Unknown	25	hexachrome_ASDV	hexachrome	Finished	10/20/2010 11:28:35 AM	1.0000	1.0000
32	JA59191-2	Unknown	26	hexachrome_ASDV	hexachrome	Finished	10/20/2010 11:36:31 AM	1.0000	1.0000
33	JA59191-2F	Unknown	27	hexachrome_ASDV	hexachrome	Finished	10/20/2010 11:44:25 AM	1.0000	1.0000
34	JA59191-2F	Unknown	28	hexachrome_ASDV	hexachrome	Finished	10/20/2010 11:52:19 AM	1.0000	1.0000
35	JA59191-3	Unknown	31	hexachrome_ASDV	hexachrome	Finished	10/20/2010 12:00:14 PM	1.0000	1.0000
36	JA59191-3	Unknown	32	hexachrome_ASDV	hexachrome	Finished	10/20/2010 12:08:09 PM	1.0000	1.0000
37	JA59191-3F	Unknown	33	hexachrome_ASDV	hexachrome	Finished	10/20/2010 12:16:03 PM	1.0000	1.0000
38	JA59191-3F	Unknown	34	hexachrome_ASDV	hexachrome	Finished	10/20/2010 12:23:57 PM	1.0000	1.0000
39	JA59191-5	Unknown	35	hexachrome_ASDV	hexachrome	Finished	10/20/2010 12:31:51 PM	1.0000	1.0000
40	JA59191-5	Unknown	36	hexachrome_ASDV	hexachrome	Finished	10/20/2010 12:39:46 PM	1.0000	1.0000
41	JA59191-5F	Unknown	37	hexachrome_ASDV	hexachrome	Finished	10/20/2010 12:47:41 PM	1.0000	1.0000
42	JA59191-5F	Unknown	38	hexachrome_ASDV	hexachrome	Finished	10/20/2010 12:55:35 PM	1.0000	1.0000
43	JA59191-4	Unknown	39	hexachrome_ASDV	hexachrome	Finished	10/20/2010 1:03:30 PM	1.0000	1.0000
44	JA59191-4	Unknown	40	hexachrome_ASDV	hexachrome	Finished	10/20/2010 1:11:24 PM	1.0000	1.0000
45	JA59191-4F	Unknown	41	hexachrome_ASDV	hexachrome	Finished	10/20/2010 1:19:18 PM	1.0000	1.0000
46	JA59191-4F	Unknown	42	hexachrome_ASDV	hexachrome	Finished	10/20/2010 1:27:12 PM	1.0000	1.0000
47	JA59191-6	Unknown	43	hexachrome_ASDV	hexachrome	Finished	10/20/2010 1:35:07 PM	1.0000	1.0000
48	JA59191-6	Unknown	44	hexachrome_ASDV	hexachrome	Finished	10/20/2010 1:43:02 PM	1.0000	1.0000
49	JA59191-6F	Unknown	45	hexachrome_ASDV	hexachrome	Finished	10/20/2010 1:50:56 PM	1.0000	1.0000
50	JA59191-6F	Unknown	46	hexachrome_ASDV	hexachrome	Finished	10/20/2010 1:58:51 PM	1.0000	1.0000
51	CCV	Unknown	49	hexachrome_ASDV	hexachrome	Finished	10/20/2010 2:06:45 PM	1.0000	1.0000
52	CCB	Unknown	50	hexachrome_ASDV	hexachrome	Finished	10/20/2010 2:14:40 PM	1.0000	1.0000
53	JA59191-7	Unknown	47	hexachrome_ASDV	hexachrome	Finished	10/20/2010 2:22:34 PM	1.0000	1.0000
54	JA59191-7	Unknown	48	hexachrome_ASDV	hexachrome	Finished	10/20/2010 2:30:28 PM	1.0000	1.0000

Sequence: 610102001  
 Operator: chemistry  
 Title: NJCHMIC2\_local  
 Location: Accutest\2010\October  
 Timebase: accutest  
 #Samples: 56

Page 3 of 3  
 Printed: 10/20/2010 2:54:48 PM

Created: 10/20/2010 7:03:13 AM by chemistry  
 Last Update: 10/20/2010 10:25:50 AM by chemistry

No. Name	Type	Pos. Program	Method	Status	Inj. Date/Time	Weight	Dil. Factor
55 CCB	Unknown	5 hexachrome_ASDV	hexachrome	Finished	10/20/2010 2:38:23 PM	1.0000	1.0000
56 CCB	Unknown	6 hexachrome_ASDV	hexachrome	Finished	10/20/2010 2:46:20 PM	1.0000	1.0000





Hexavalent Chromium pH Adjustment Log

Method: SW846 7199 Matrix: AQ

pH adj. start time: 7:54  
pH adj. end time: 9:41

pH Adjust. Date: 10/20/2010

GN Batch ID: 624987

bot #

7 SI  
7 DI  
  
10 S2  
10 D2  
  
7  
10  
  
3  
4  
3  
4  
3  
4  
3  
4  
3  
4  
4  
  
4

Sample ID	Initial Sample Volume (ml)	Final Volume (ml)	pH after buffer	Spike info	Comments
6055951 CCV		100	9.05	0.25ml	10 PPM Ultra
CCV					
CCV					
CCV					
CCB		100	9.06		
CCB					
CCB					
CCB					
MS JA59191-1	50	55	9.21	0.25ml	10 PPM Absolute
DUP ↓			9.21		
SB			9.08	0.25ml	10 PPM Absolute
PB			9.06		
1. JA59191-1F			9.19	0.25ml	10 PPM Absolute
2. ↓			9.18		
3. JA59191-1			9.19		
4. -F			9.13		
5. JA59191-2			9.12		
6. -2F			9.11		
7. JA59191-3			9.15		
8. -3F			9.10		
9. JA59191-5			9.16		
10. -5F			9.10		
11. JA59191-4			9.13		
12. -4F			9.13		
13. JA59191-6			9.18		
14. -6F			9.25		
15. JA59191-7			9.10		field blank
16. SI (mode)			9.08	0.25ml	10 PPM Absolute
17. (S2)			9.01	0.25ml	10 PPM Absolute
18.					
19.					
20.					
PS					
DIL					
DIL					

Reagent Information:

ESamples all field filtered

Analyst: Shirley DeLo Date: 10/20/2010





GENERAL CHEMISTRY STANDARD PREPARATION LOG

Product: XCL106  
 GN or GP Number: 64987

Intermediate Standard Description	Stock used to prepare standard	Stock concentration	Stock volume or weight used with units	Balance or Autopipet ID (*)	Diluent	Final Volume	Final Conc. of Intermediate (mg/l)	Expiration Date	Analyst	Date
10.0 mg/L Absolute	Absolute 042610	1000 mg/L	2.0 mL	A	Dilution	200 mL	10.0 mg/L	4/26/2013	B	10/20/13
1.0 mg/L Absolute	10.0 mg/L Absolute	10 mg/L	20 mL	A	Water	200 mL	1.0 mg/L	4/26/2013		
10.0 mg/L Ultra	Ultra j00509	1000 mg/L	2.0 mL	A	Dilution Water	200 mL	10.0 mg/L	7/31/2015		
Standard Description	Intermediate or Stock used to prepare standard	Intermediate or Stock concentration	Intermediate or Stock volume used in ml	Balance or Autopipet ID (*)	Diluent	Final Volume	Final Conc. of Standard (mg/l) <td>Expiration Date</td> <td>Analyst</td> <td>Date</td>	Expiration Date	Analyst	Date
0.005 mg/L	1.0 mg/L Absolute	1.0 mg/L	0.50 mL	A	Dilution	100 mL	0.005 mg/L	10/20/13	B	10/20/13
0.05 mg/L	1.0 mg/L Absolute	1.0 mg/L	5.00 mL	A	Water	100 mL	0.05 mg/L			
0.100 mg/l	10.0 mg/L Absolute	10.0 mg/L	1.00 mL	A		100 mL	0.100 mg/l			
0.500 mg/L	10.0 mg/L Absolute	10.0 mg/L	5.00 mL	A		100 mL	0.500 mg/L			
0.250 mg/L - CCV	10 mg/L Ultra	10.0 mg/L	2.50 mL	A	Dilution Water	100 mL	0.250 mg/L			

\* If Class A glass pipets are used, enter an A. For balances or autopipets, then enter the appropriate Accutest ID number.

*\* All Standards prepared with Dilution Water pHed between 9 and 9.5 no further pH adjustment necessary.*

Form: GN121-01  
 Rev. Date: 1/13/09

GN43587



### Reagent Information Log - XCR - 7199 AQ

<u>Reagent</u>	<u>exp</u>	<u>Reagent # or Manufacturer/Lot</u>
Calibration Source: Hexavalent Chromium, 1000 mg/L Stock	4/26/2013	Absolute Grade lot 042610
Calibration Checks: Hexavalent Chromium, 1000 mg/L Stock	7/31/2015	Ultra lot J00509
Spiking Solution Source	4/26/2013	Absolute Grade lot 042610
Post-column reagent	10/24/10	ENE10-20499-1CXR
Eluent	3/22/11	ENE9-26100-1CXR
Buffer Solution	2/24/11	ENE8-25909-1CXR
Dilution water	2/12/11	ENE10-26270-1CXR
Filter		VWR lot 2175600910

All standards and stocks were made as described in the SOP for this method (circle one): Y or N  
 If no (N), see attached page for standards prep.

Form: GN087A-78  
 Rev. Date: 09/19/07

7.1  
 7



Tracking #: JA59191

# Immediate Analysis Record

Date Generated: 10/19/2010      Sampling Date/Time: 10/19/10 1307      Rcv'd in HT: YES

Client Name: MACTEC      # of Samples: 7      # of Bottles: 17

Locations: ME 47,      Delv: \_\_\_\_\_

Comments: -1, MS/MSD, FIELD FILTERED

Sample info relinquished from sample management by: MATTCA      Date / Time: 10/19/2010 6:55:14 PM

Sample info received in general chemistry by: \_\_\_\_\_      Date / Time: \_\_\_\_\_

Sample Number	Analysis	Matrix
<u>1-7</u>	<u>XCR 7199</u>	<u>AQ</u>
<u>1F-6F</u>	<u>XCR 7199</u>	<u>AQ</u>

*Barbara  
D  
in@1*

*GP55951*

*MISSING 6F*

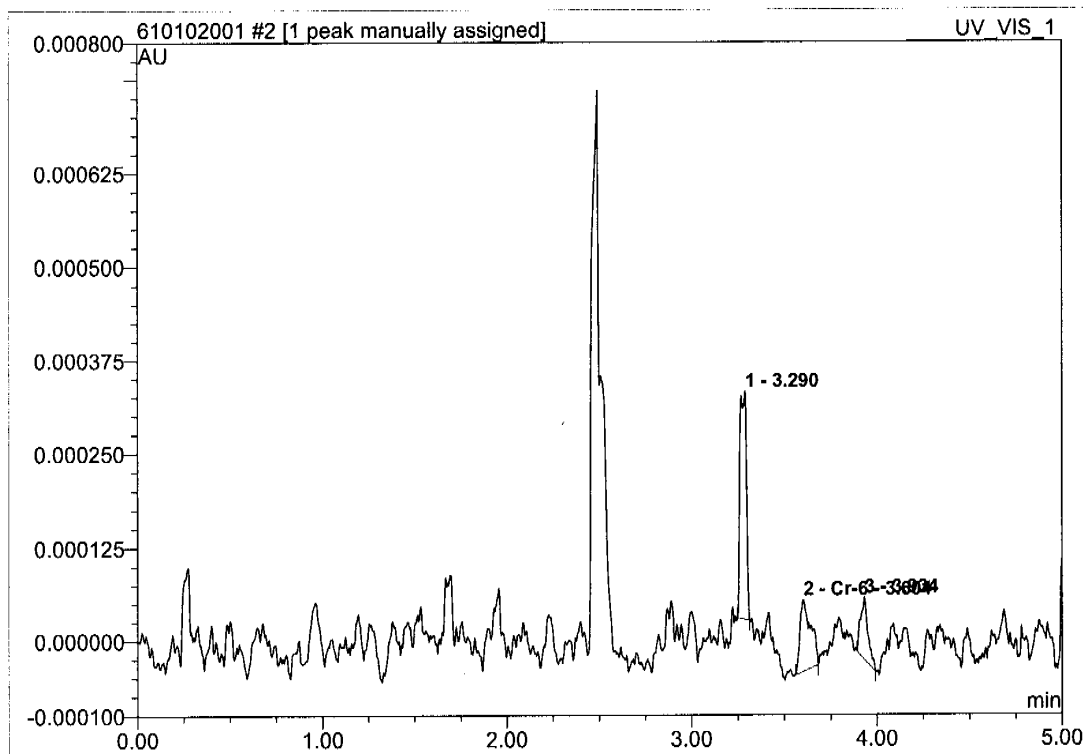
Requested by: \_\_\_\_\_ Date/Time: \_\_\_\_\_

The following samples have been depleted / broken: \_\_\_\_\_

Relinquished by (Sample Mgt): \_\_\_\_\_ Rcv'd by (Lab): \_\_\_\_\_ Date/Time: \_\_\_\_\_

Relinquished by (Lab): \_\_\_\_\_ Rcv'd by (Sample Mgt): \_\_\_\_\_ Date/Time: \_\_\_\_\_

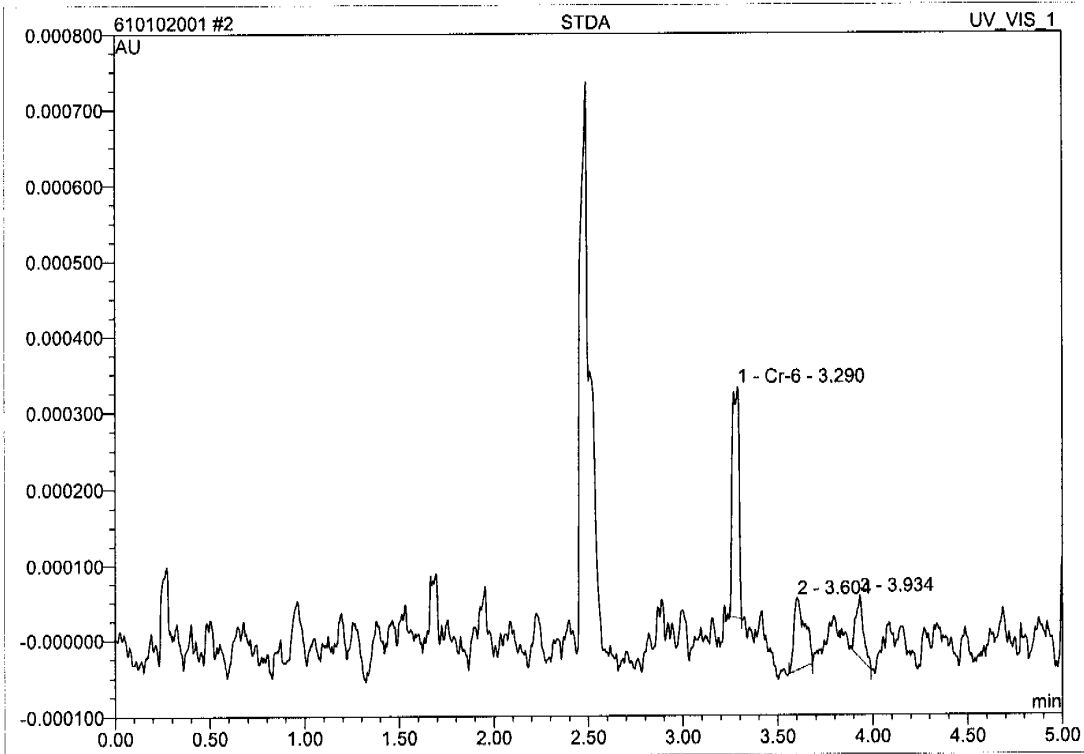
2 STDA			
Sample Name:	STDA	Injection Volume:	25.0
Vial Number:	2	Channel:	UV_VIS_1
Sample Type:	standard	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 7:37	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	3.29	n.a.	0.000	0.000	54.92	n.a.	BMB
2	3.60	Cr-6	0.000	0.000	28.51	-0.0009	BMB^
3	3.93	n.a.	0.000	0.000	16.57	n.a.	BMB
<b>Total:</b>			0.000	0.000	100.00	-0.001	

7.1  
7

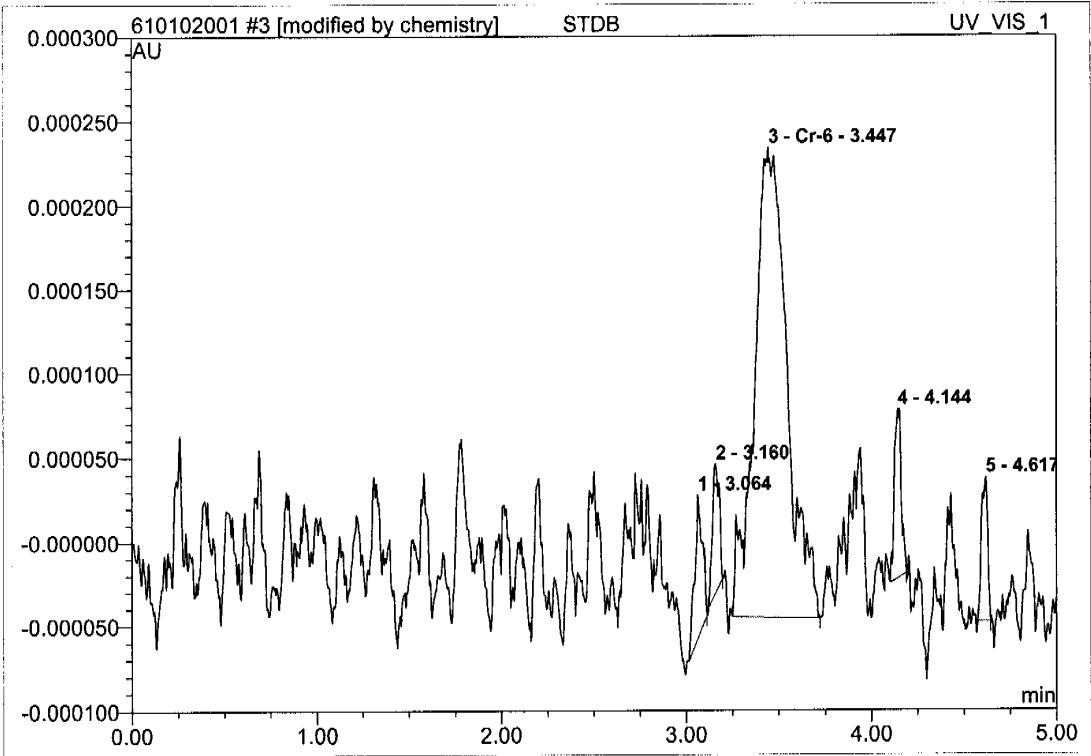
2 STDA			
Sample Name:	STDA	Injection Volume:	25.0
Vial Number:	2	Channel:	UV_VIS_1
Sample Type:	standard	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 7:37	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	3.29	Cr-6	0.000	0.000	54.92	0.0011	BMB
2	3.60	n.a.	0.000	0.000	28.51	n.a.	BMB
3	3.93	n.a.	0.000	0.000	16.57	n.a.	BMB
<b>Total:</b>			0.000	0.000	100.00	0.001	

*up 8/20/2010*

<b>3 STDB</b>			
Sample Name:	STDB	Injection Volume:	25.0
Vial Number:	3	Channel:	UV_VIS_1
Sample Type:	standard	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 7:45	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000

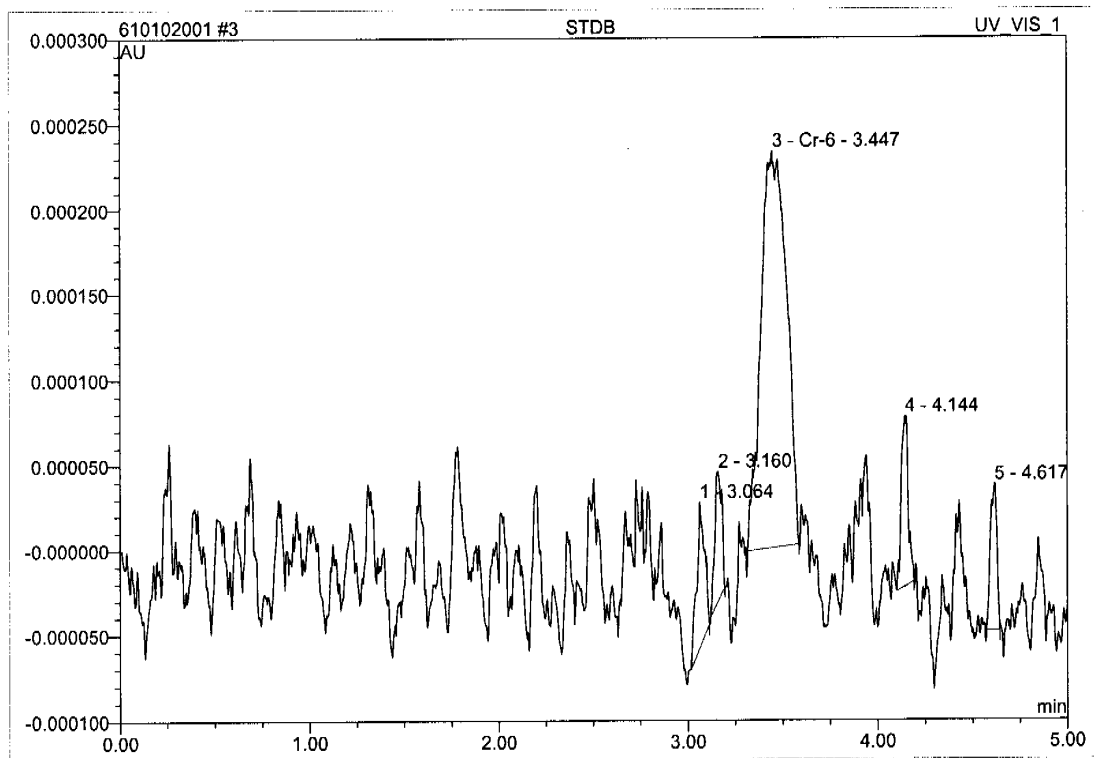


No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	3.06	n.a.	0.000	0.000	5.64	n.a.	BMB
2	3.16	n.a.	0.000	0.000	4.59	n.a.	BMB
3	3.45	Cr-6	0.000	0.000	79.10	0.0049	BMB*
4	4.14	n.a.	0.000	0.000	5.98	n.a.	BMB
5	4.62	n.a.	0.000	0.000	4.70	n.a.	BMB
<b>Total:</b>			0.001	0.000	100.00	0.005	

hexachrome/Integration

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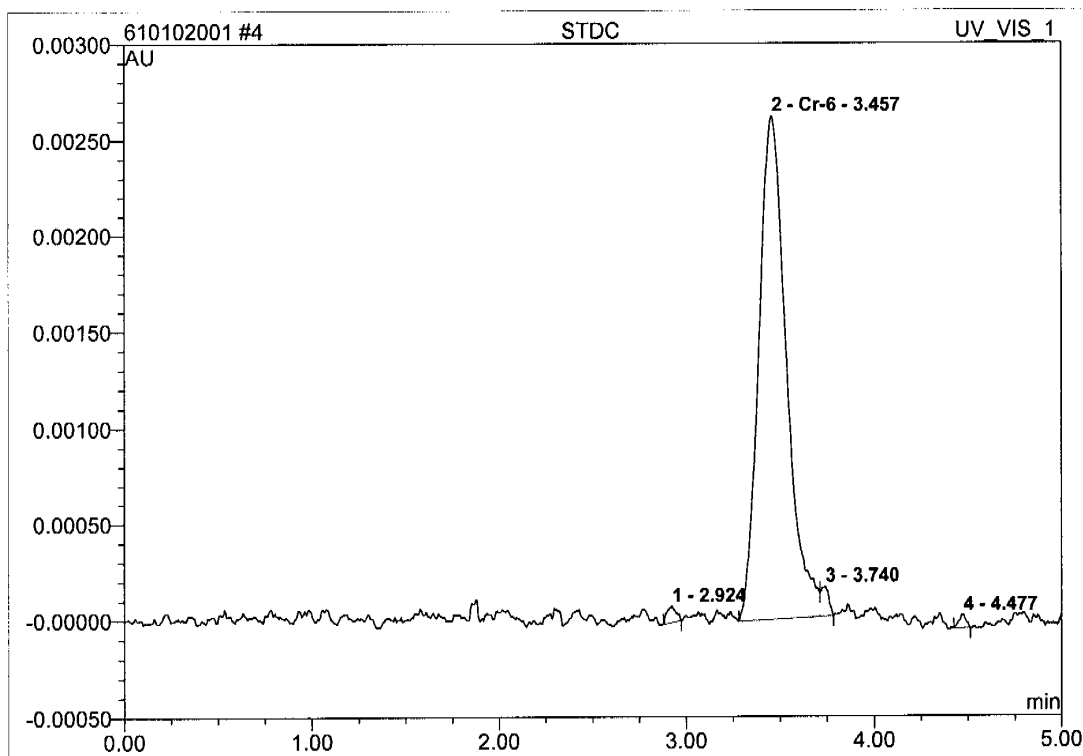
<b>3 STDB</b>			
Sample Name:	STDB	Injection Volume:	25.0
Vial Number:	3	Channel:	UV_VIS_1
Sample Type:	standard	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 7:45	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	3.06	n.a.	0.000	0.000	7.89	n.a.	BMB
2	3.16	n.a.	0.000	0.000	6.43	n.a.	BMB
3	3.45	Cr-6	0.000	0.000	70.72	0.0041	BMB
4	4.14	n.a.	0.000	0.000	8.38	n.a.	BMB
5	4.62	n.a.	0.000	0.000	6.58	n.a.	BMB
<b>Total:</b>			0.001	0.000	100.00	0.004	

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4 STDC			
Sample Name:	STDC	Injection Volume:	25.0
Vial Number:	4	Channel:	UV_VIS_1
Sample Type:	standard	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 7:53	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



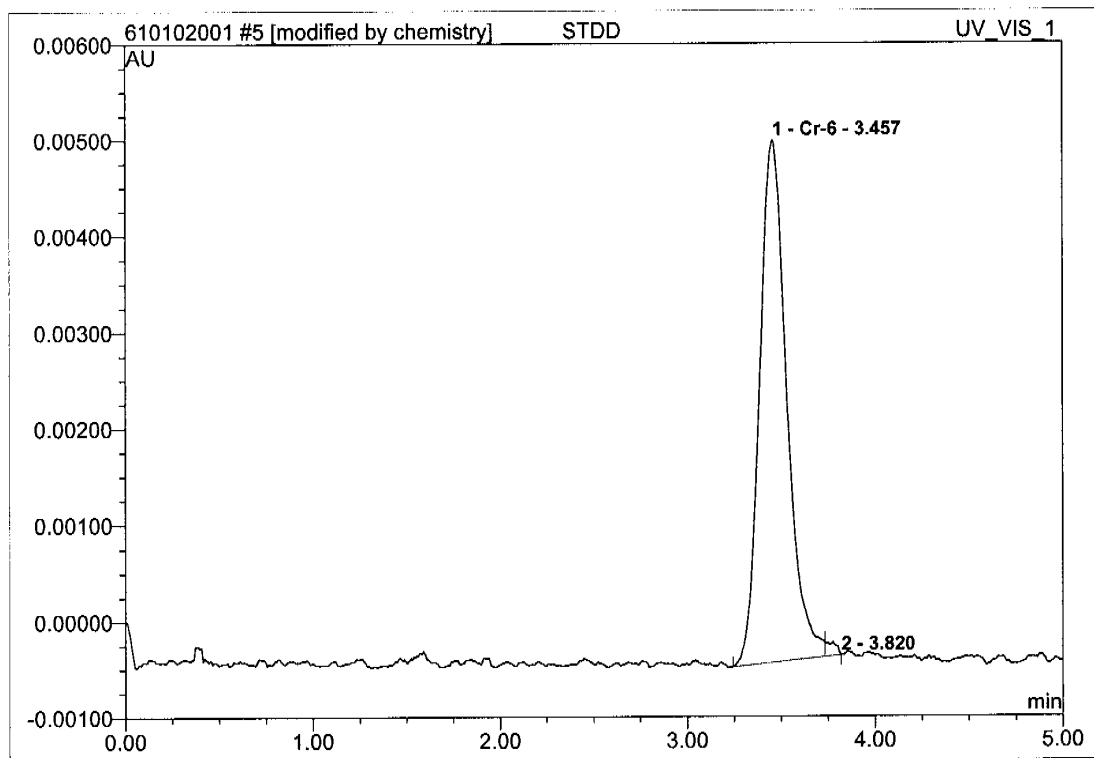
No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.92	n.a.	0.000	0.000	1.08	n.a.	BMB
2	3.46	Cr-6	0.003	0.000	96.55	0.0493	BM
3	3.74	n.a.	0.000	0.000	1.71	n.a.	MB
4	4.48	n.a.	0.000	0.000	0.66	n.a.	BMB
<b>Total:</b>			0.003	0.000	100.00	0.049	

hexachrome/Integration

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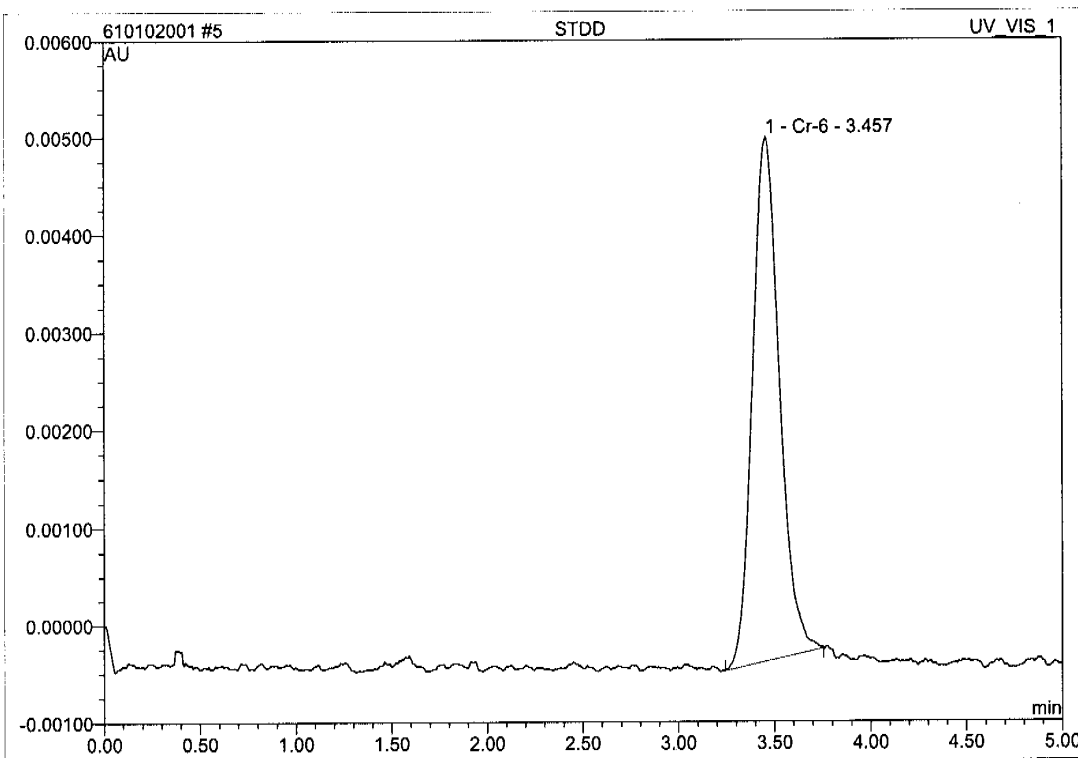
5 STDD			
Sample Name:	STDD	Injection Volume:	25.0
Vial Number:	5	Channel:	UV_VIS_1
Sample Type:	standard	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 8:01	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	3.46	Cr-6	0.005	0.001	99.00	0.1021	BM *
2	3.82	n.a.	0.000	0.000	1.00	n.a.	MB*
<b>Total:</b>			0.005	0.001	100.00	0.102	

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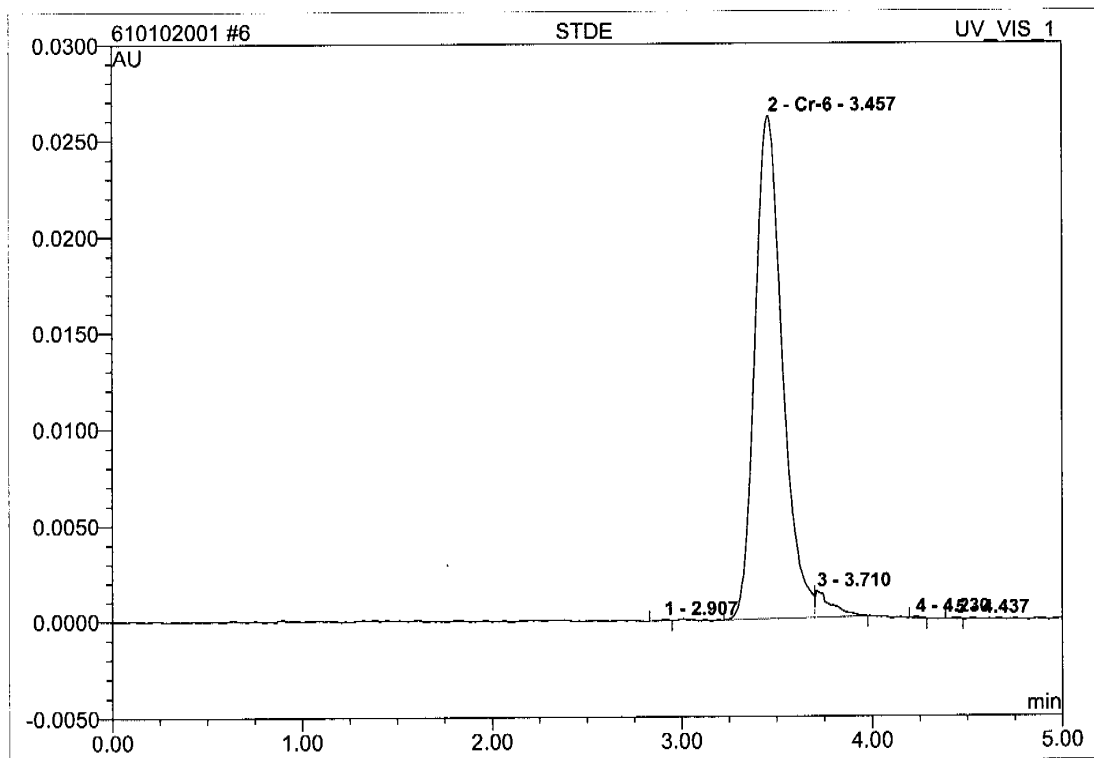
5 STDD			
Sample Name:	STDD	Injection Volume:	25.0
Vial Number:	5	Channel:	UV_VIS_1
Sample Type:	standard	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 8:01	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	3.46	Cr-6	0.005	0.001	100.00	0.0999	BMB
<b>Total:</b>			0.005	0.001	100.00	0.100	

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6 STDE			
Sample Name:	STDE	Injection Volume:	25.0
Vial Number:	6	Channel:	UV_VIS_1
Sample Type:	standard	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 8:09	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000

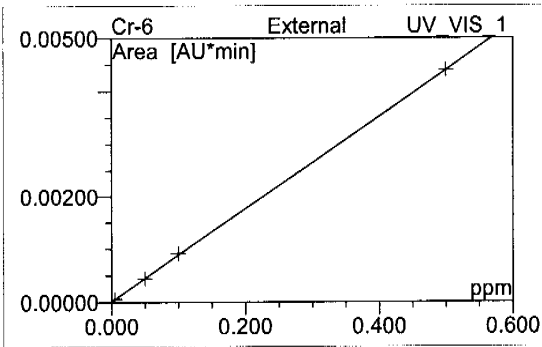
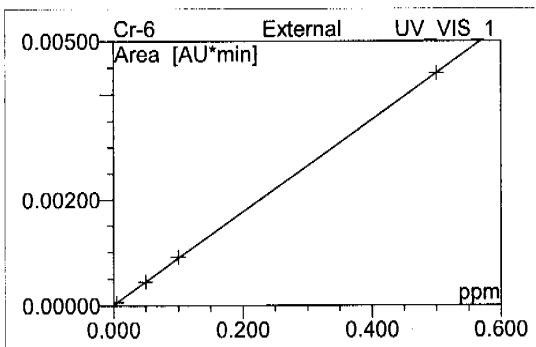
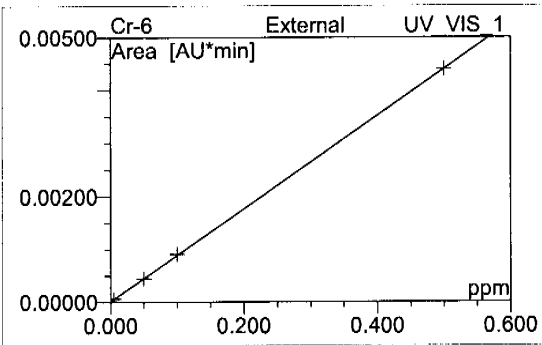
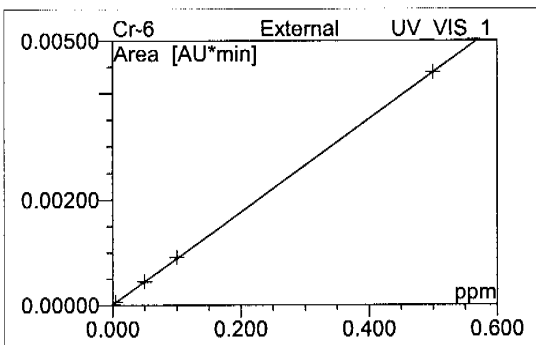


No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.91	n.a.	0.000	0.000	0.09	n.a.	BMB
2	3.46	Cr-6	0.026	0.004	96.71	0.4997	BM
3	3.71	n.a.	0.001	0.000	3.06	n.a.	MB
4	4.23	n.a.	0.000	0.000	0.07	n.a.	BMB
5	4.44	n.a.	0.000	0.000	0.07	n.a.	BMB
<b>Total:</b>			0.028	0.005	100.00	0.500	

hexachrome/Integration

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6 STDE			
Sample Name:	STDE	Injection Volume:	25.0
Vial Number:	6	Channel:	UV_VIS_1
Sample Type:	standard	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 8:09	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000

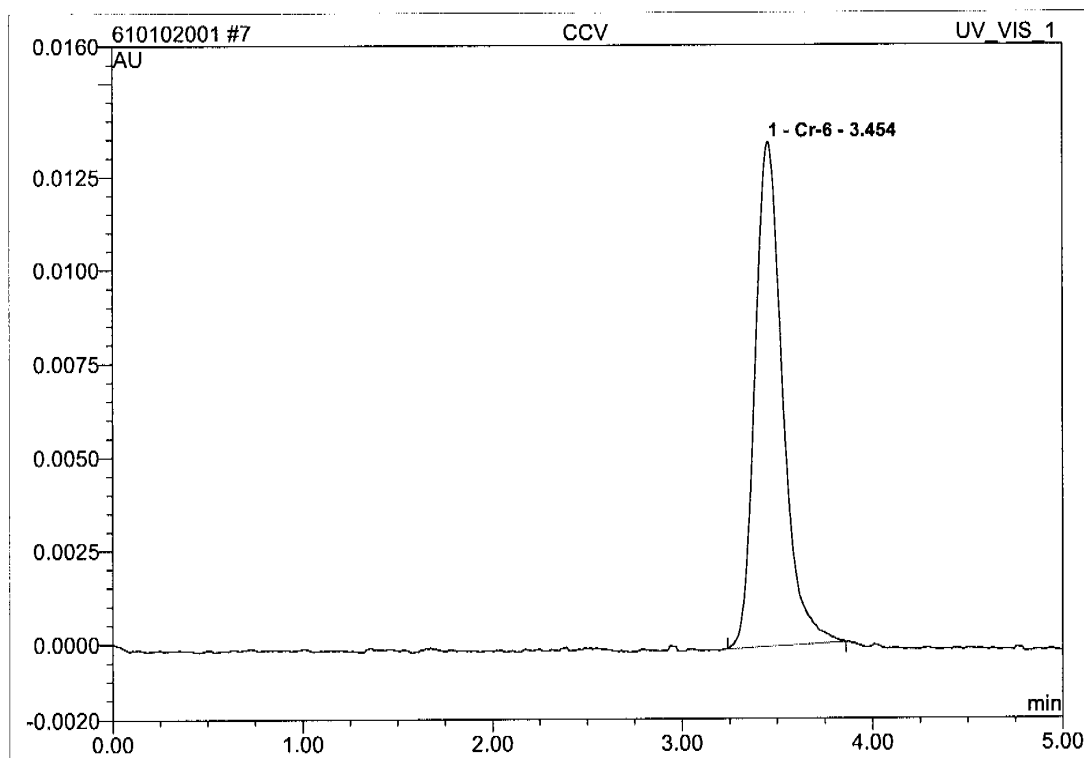


No.	Ret.Time min	Peak Name	Cal.Type	Points	Coeff.Det. %	Offset	Slope	Curve
1	2.91	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
2	3.46	Cr-6	LOff	5	99.9967	0.0000	0.0088	0.0000
3	3.71	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
4	4.23	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
5	4.44	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
<b>Average:</b>					99.9967	0.0000	0.0088	0.0000

hexachrome/Calibration(Batch)

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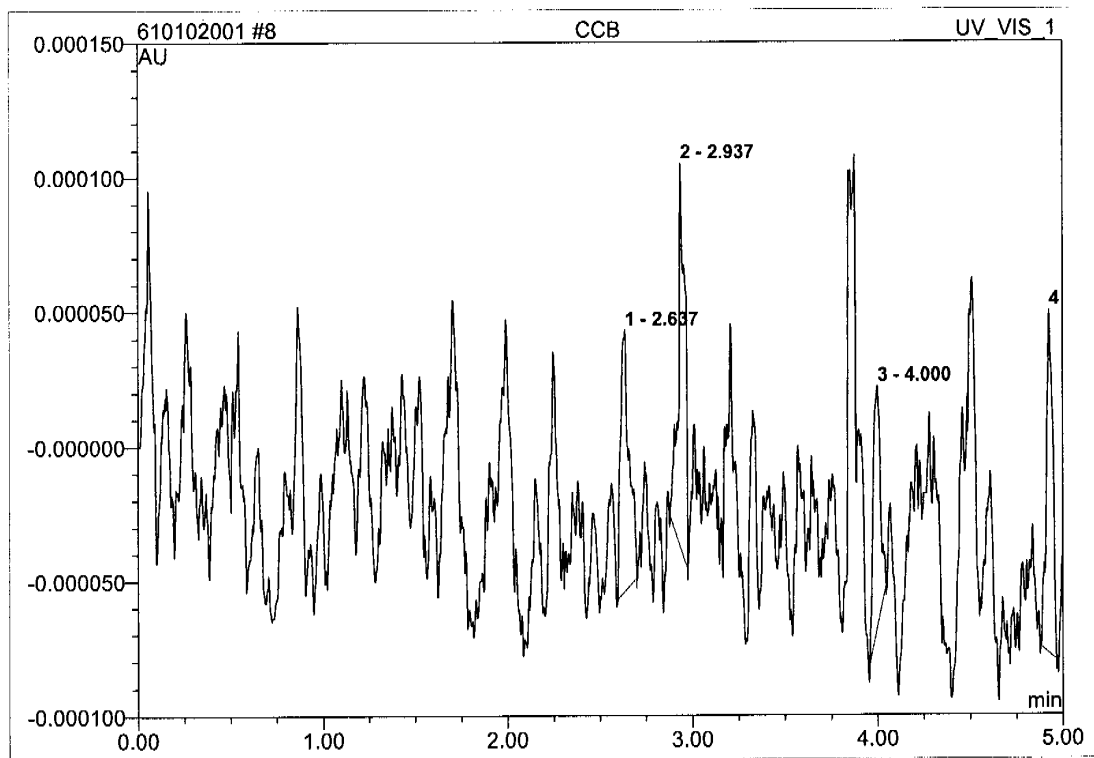
<b>7 CCV</b>			
Sample Name:	CCV	Injection Volume:	25.0
Vial Number:	7	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 8:17	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	3.45	Cr-6	0.014	0.002	100.00	0.2577	BMB
<b>Total:</b>			0.014	0.002	100.00	0.258	

7.1  
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8 CCB			
Sample Name:	CCB	Injection Volume:	25.0
Vial Number:	8	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 8:25	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000

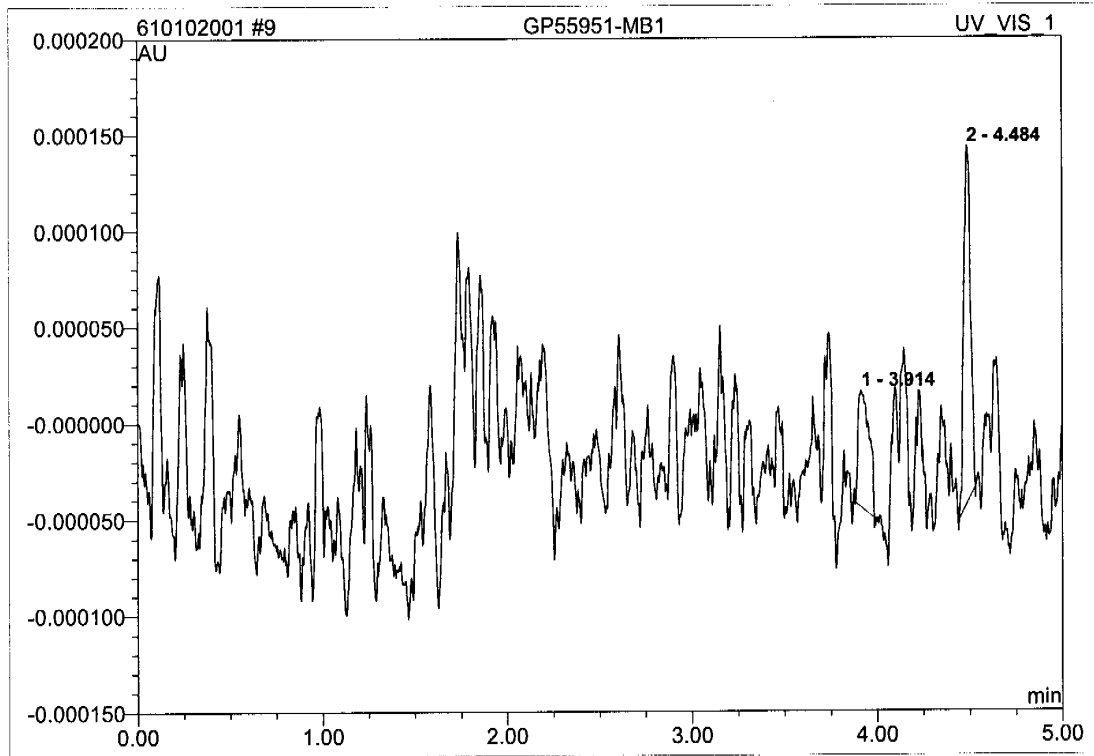


No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.64	n.a.	0.000	0.000	25.35	n.a.	BMB
2	2.94	n.a.	0.000	0.000	30.05	n.a.	BMB
3	4.00	n.a.	0.000	0.000	19.80	n.a.	BMB
4	4.93	n.a.	0.000	0.000	24.80	n.a.	BMB
<b>Total:</b>			0.000	0.000	100.00	0.000	

hexachrome/Integration

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<b>9 GP55951-MB1</b>			
Sample Name:	GP55951-MB1	Injection Volume:	25.0
Vial Number:	9	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 8:33	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000

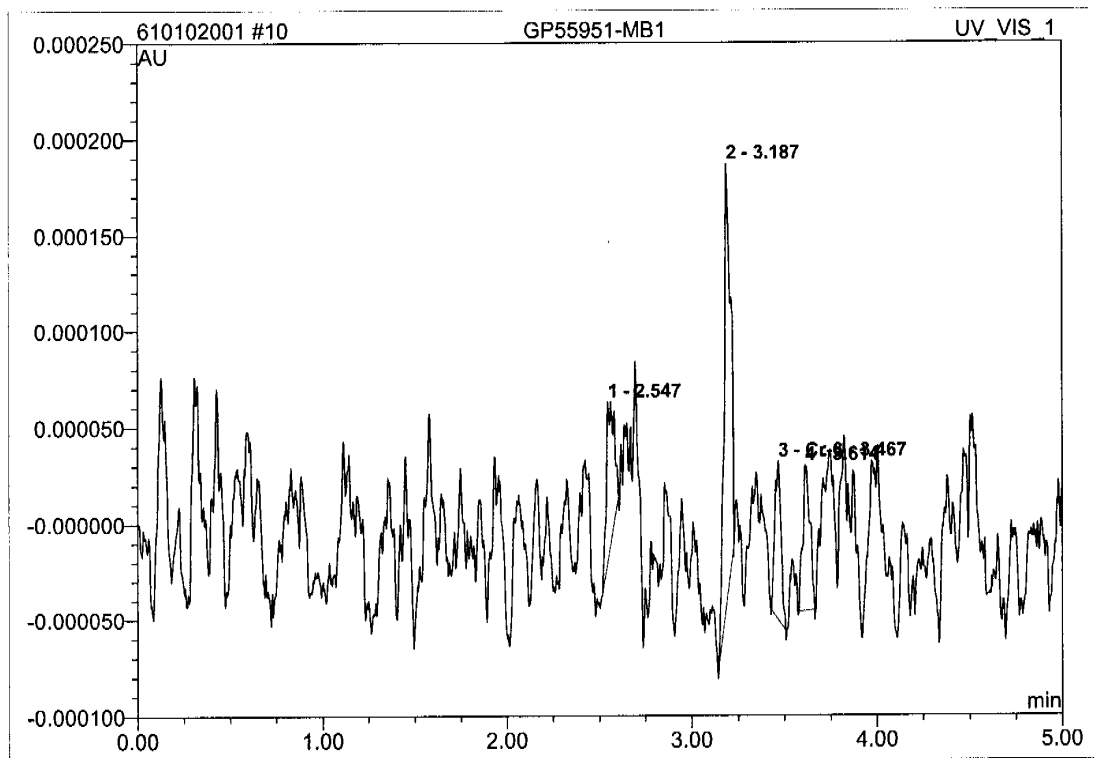


No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	3.91	n.a.	0.000	0.000	34.84	n.a.	BMB
2	4.48	n.a.	0.000	0.000	65.16	n.a.	BMB
<b>Total:</b>			0.000	0.000	100.00	0.000	

hexachrome/Integration

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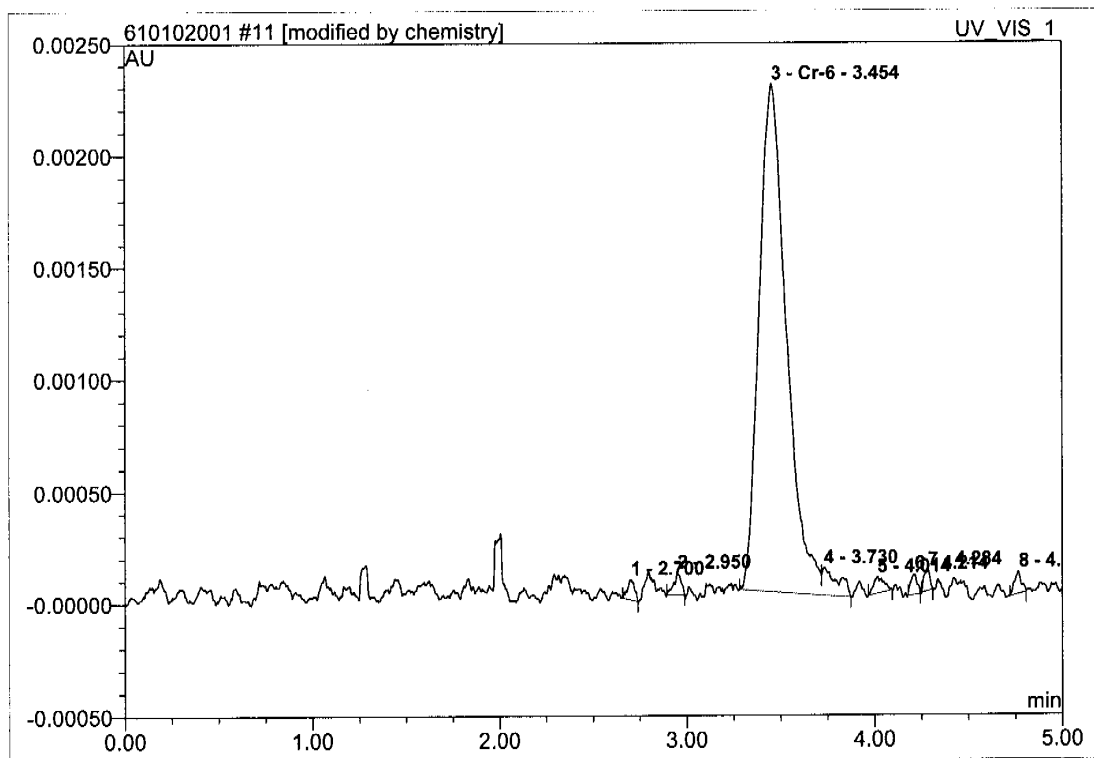
<b>10 GP55951-MB1</b>			
Sample Name:	GP55951-MB1	Injection Volume:	25.0
Vial Number:	10	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 8:41	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.55	n.a.	0.000	0.000	18.86	n.a.	BMB
2	3.19	n.a.	0.000	0.000	47.29	n.a.	BMB
3	3.47	Cr-6	0.000	0.000	16.71	-0.0013	BMB
4	3.61	n.a.	0.000	0.000	17.14	n.a.	BMB
<b>Total:</b>			0.000	0.000	100.00	-0.001	



<b>11 GP55951-B1</b>			
Sample Name:	<b>GP55951-B1</b>	Injection Volume:	<b>25.0</b>
Vial Number:	<b>11</b>	Channel:	<b>UV_VIS_1</b>
Sample Type:	<b>unknown</b>	Wavelength:	<b>n.a.</b>
Control Program:	<b>hexachrome_ASDV</b>	Bandwidth:	<b>n.a.</b>
Quantif. Method:	<b>hexachrome</b>	Dilution Factor:	<b>1.0000</b>
Recording Time:	<b>10/20/2010 8:49</b>	Sample Weight:	<b>1.0000</b>
Run Time (min):	<b>5.00</b>	Sample Amount:	<b>1.0000</b>

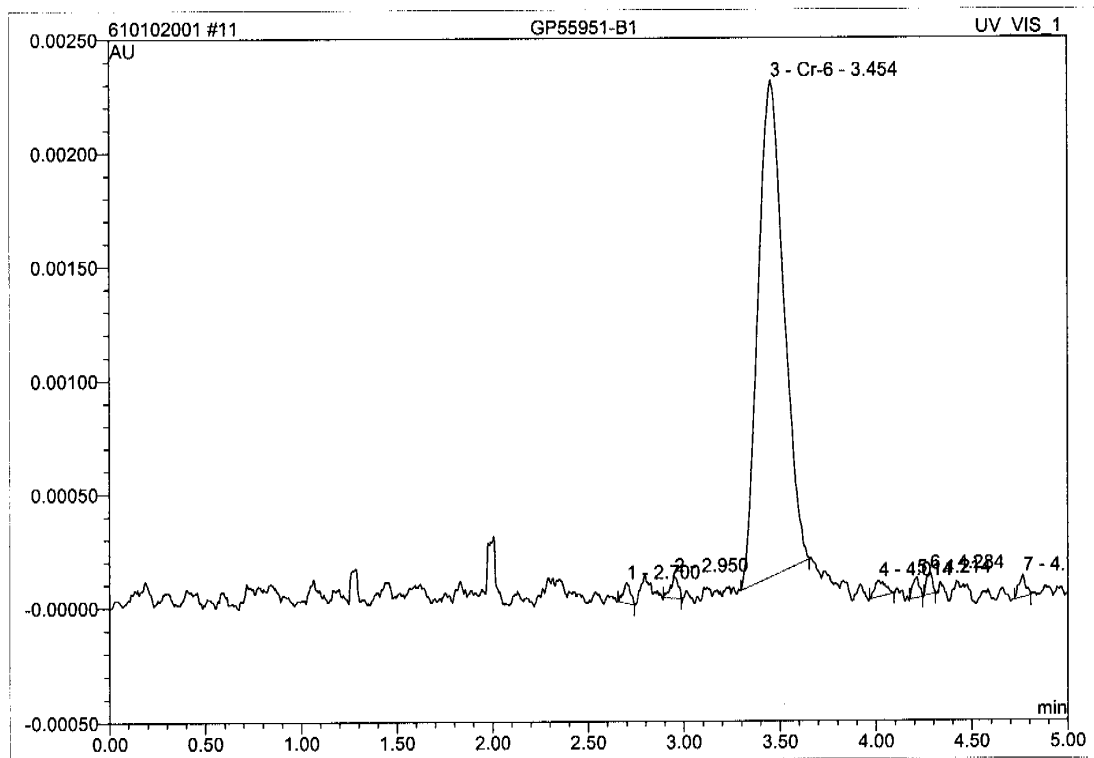


No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.70	n.a.	0.000	0.000	0.94	n.a.	BMB
2	2.95	n.a.	0.000	0.000	1.09	n.a.	BMB
3	3.45	Cr-6	0.002	0.000	91.31	0.0419	BM *
4	3.73	n.a.	0.000	0.000	2.89	n.a.	MB*
5	4.01	n.a.	0.000	0.000	1.08	n.a.	BMB
6	4.21	n.a.	0.000	0.000	0.87	n.a.	BMB
7	4.28	n.a.	0.000	0.000	0.82	n.a.	BMB
8	4.77	n.a.	0.000	0.000	0.99	n.a.	BMB
<b>Total:</b>			<b>0.003</b>	<b>0.000</b>	<b>100.00</b>	<b>0.042</b>	

hexachrome/Integration

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<b>11 GP55951-B1</b>			
Sample Name:	GP55951-B1	Injection Volume:	25.0
Vial Number:	11	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 8:49	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



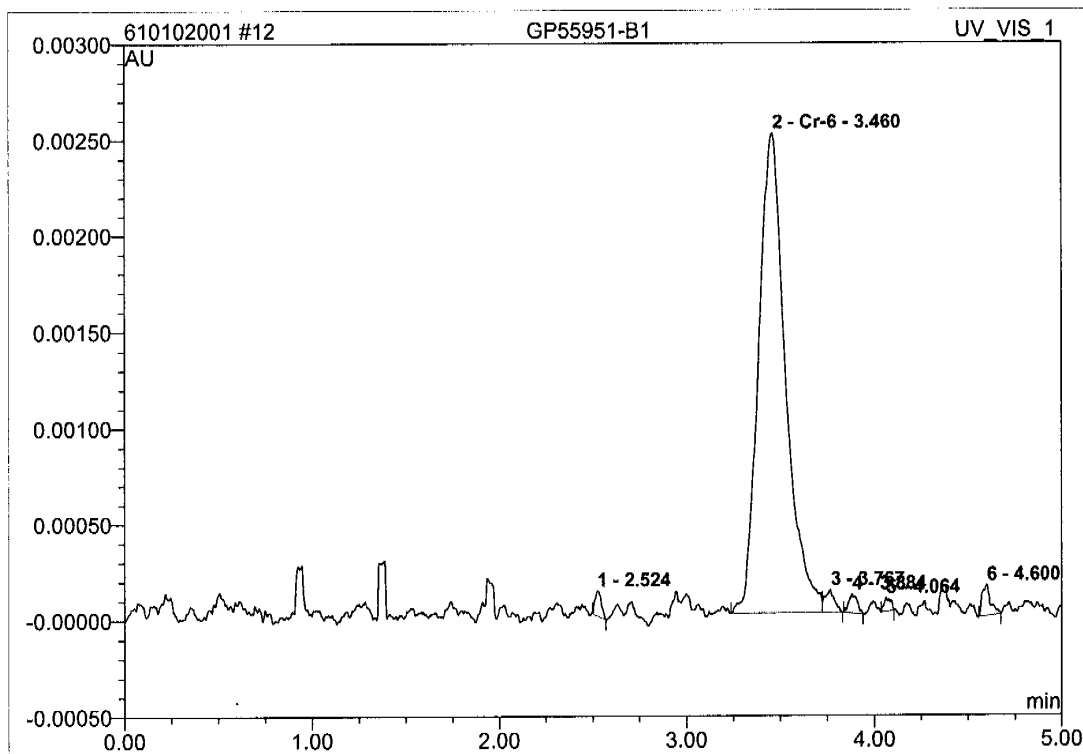
No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.70	n.a.	0.000	0.000	1.08	n.a.	BMB
2	2.95	n.a.	0.000	0.000	1.25	n.a.	BMB
3	3.45	Cr-6	0.002	0.000	93.35	0.0372	BMB
4	4.01	n.a.	0.000	0.000	1.24	n.a.	BMB
5	4.21	n.a.	0.000	0.000	1.00	n.a.	BMB
6	4.28	n.a.	0.000	0.000	0.94	n.a.	BMB
7	4.77	n.a.	0.000	0.000	1.14	n.a.	BMB
<b>Total:</b>			0.003	0.000	100.00	0.037	

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hexachrome/Integration

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<b>12 GP55951-B1</b>			
Sample Name:	GP55951-B1	Injection Volume:	25.0
Vial Number:	12	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 8:57	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000

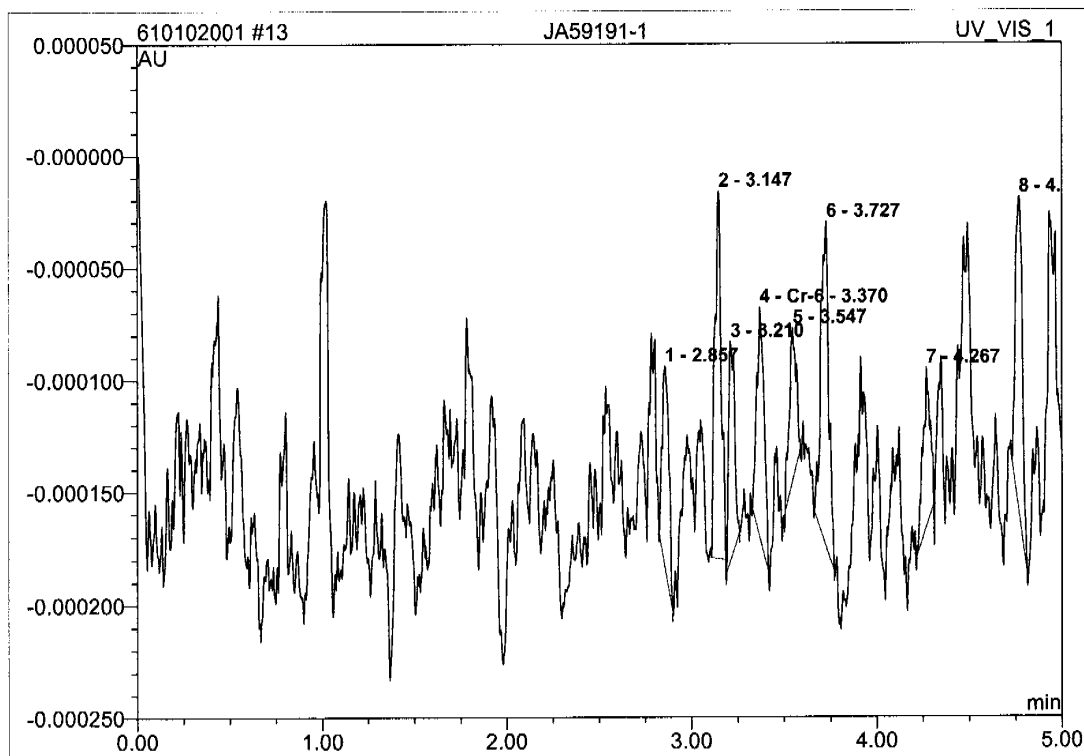


No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.52	n.a.	0.000	0.000	1.15	n.a.	BMB
2	3.46	Cr-6	0.002	0.000	93.65	0.0460	BM
3	3.77	n.a.	0.000	0.000	1.52	n.a.	MB
4	3.88	n.a.	0.000	0.000	1.15	n.a.	BMB
5	4.06	n.a.	0.000	0.000	0.68	n.a.	BMB
6	4.60	n.a.	0.000	0.000	1.85	n.a.	BMB
<b>Total:</b>			0.003	0.000	100.00	0.046	

hexachrome/Integration

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<b>13 JA59191-1</b>			
Sample Name:	JA59191-1	Injection Volume:	25.0
Vial Number:	13	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 9:05	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000

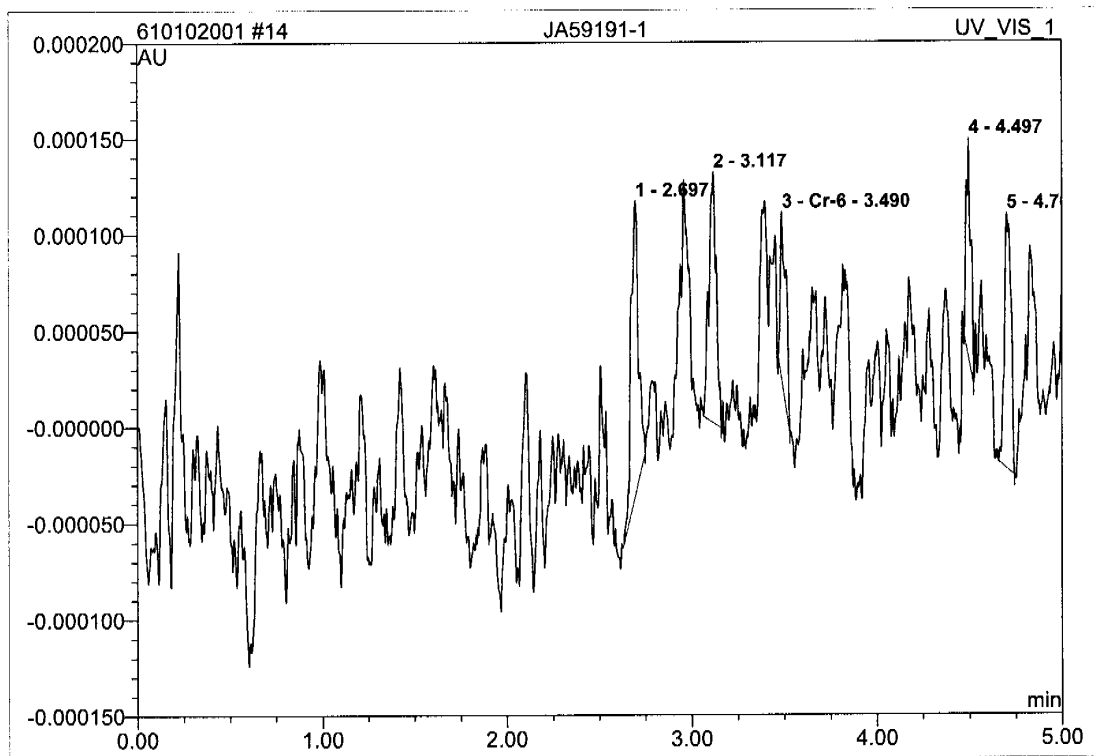


No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.86	n.a.	0.000	0.000	9.93	n.a.	BMB
2	3.15	n.a.	0.000	0.000	17.45	n.a.	BMB
3	3.21	n.a.	0.000	0.000	9.62	n.a.	BMB
4	3.37	Cr-6	0.000	0.000	12.45	-0.0011	BMB
5	3.55	n.a.	0.000	0.000	8.03	n.a.	BMB
6	3.73	n.a.	0.000	0.000	18.23	n.a.	BMB
7	4.27	n.a.	0.000	0.000	8.30	n.a.	BMB
8	4.77	n.a.	0.000	0.000	15.99	n.a.	BMB
<b>Total:</b>			0.001	0.000	100.00	-0.001	

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
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<b>14 JA59191-1</b>			
Sample Name:	JA59191-1	Injection Volume:	25.0
Vial Number:	14	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 9:13	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000

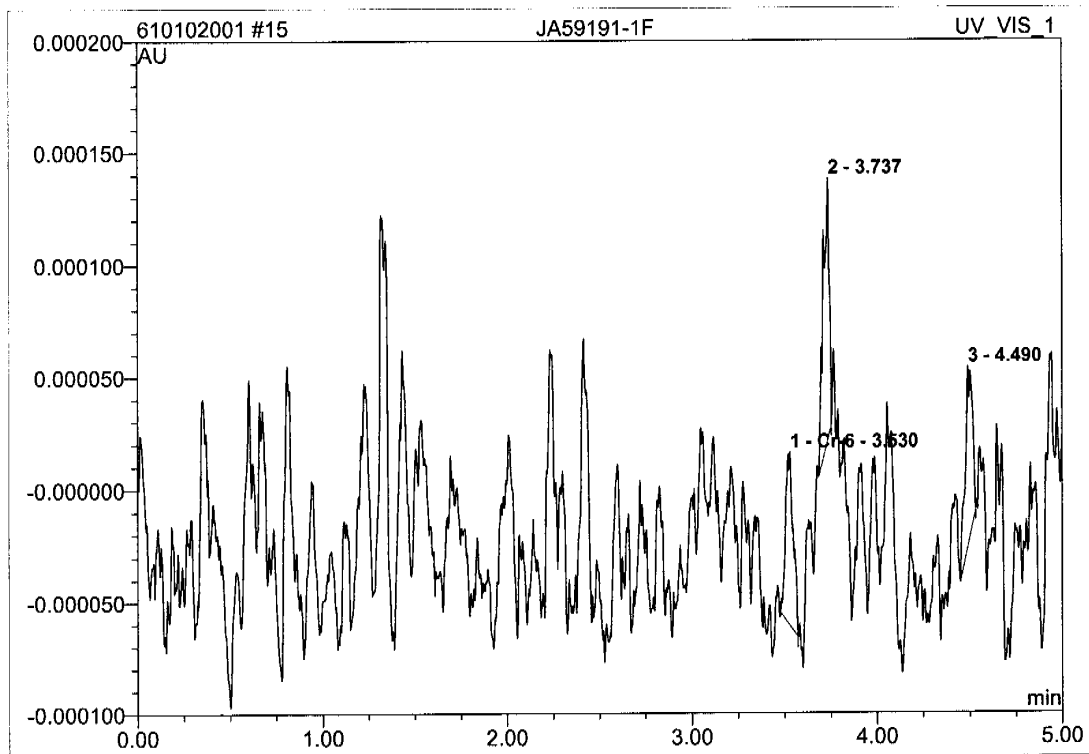


No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.70	n.a.	0.000	0.000	28.99	n.a.	BMB
2	3.12	n.a.	0.000	0.000	23.58	n.a.	BMB
3	3.49	Cr-6	0.000	0.000	12.66	-0.0013	BMB
4	4.50	n.a.	0.000	0.000	13.00	n.a.	BMB
5	4.70	n.a.	0.000	0.000	21.77	n.a.	BMB
<b>Total:</b>			0.001	0.000	100.00	-0.001	

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
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<b>15 JA59191-1F</b>			
Sample Name:	JA59191-1F	Injection Volume:	25.0
Vial Number:	15	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 9:21	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



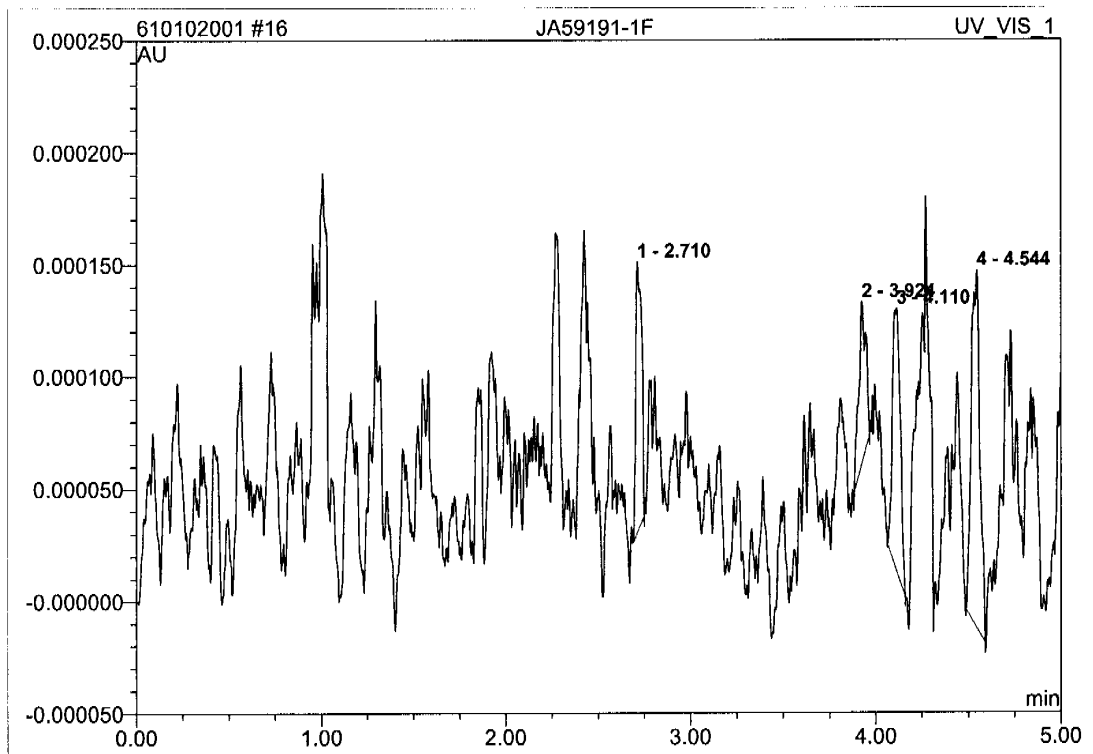
No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	3.53	Cr-6	0.000	0.000	31.15	-0.0012	BMB
2	3.74	n.a.	0.000	0.000	37.86	n.a.	BMB
3	4.49	n.a.	0.000	0.000	30.99	n.a.	BMB
<b>Total:</b>			0.000	0.000	100.00	-0.001	

hexachrome/Integration

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<b>16 JA59191-1F</b>			
Sample Name:	JA59191-1F	Injection Volume:	25.0
Vial Number:	16	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 9:29	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000

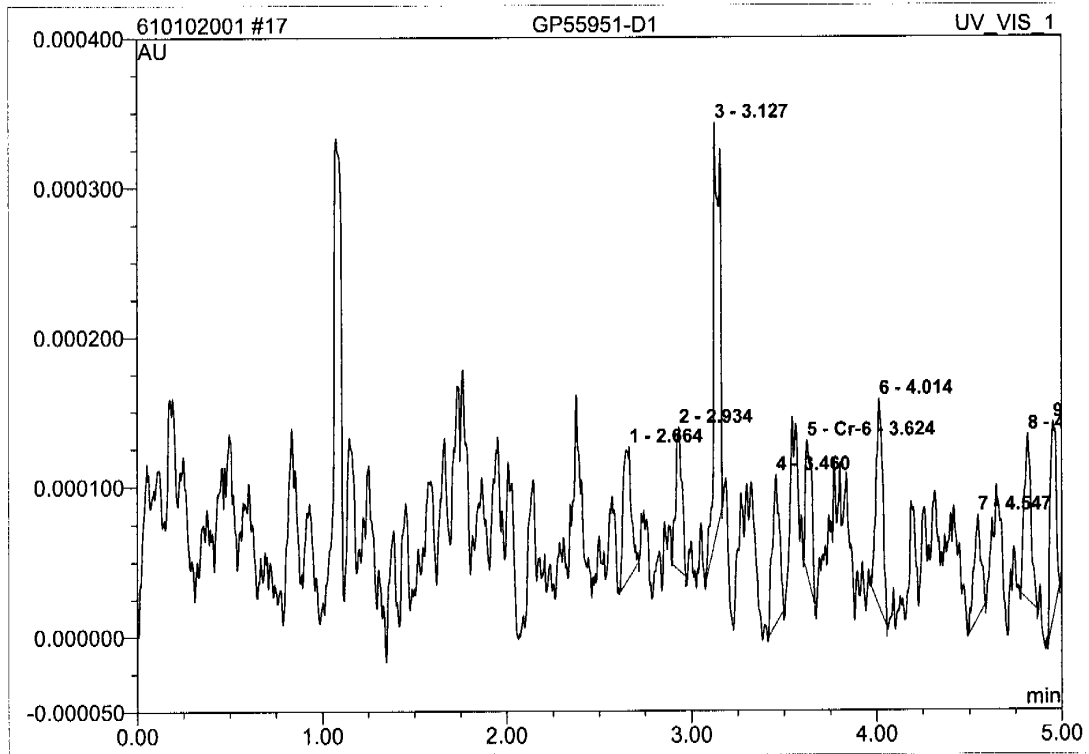


No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.71	n.a.	0.000	0.000	20.50	n.a.	BMB
2	3.92	n.a.	0.000	0.000	14.41	n.a.	BMB
3	4.11	n.a.	0.000	0.000	26.19	n.a.	BMB
4	4.54	n.a.	0.000	0.000	38.90	n.a.	BMB
<b>Total:</b>			0.000	0.000	100.00	0.000	

hexachrome/Integration

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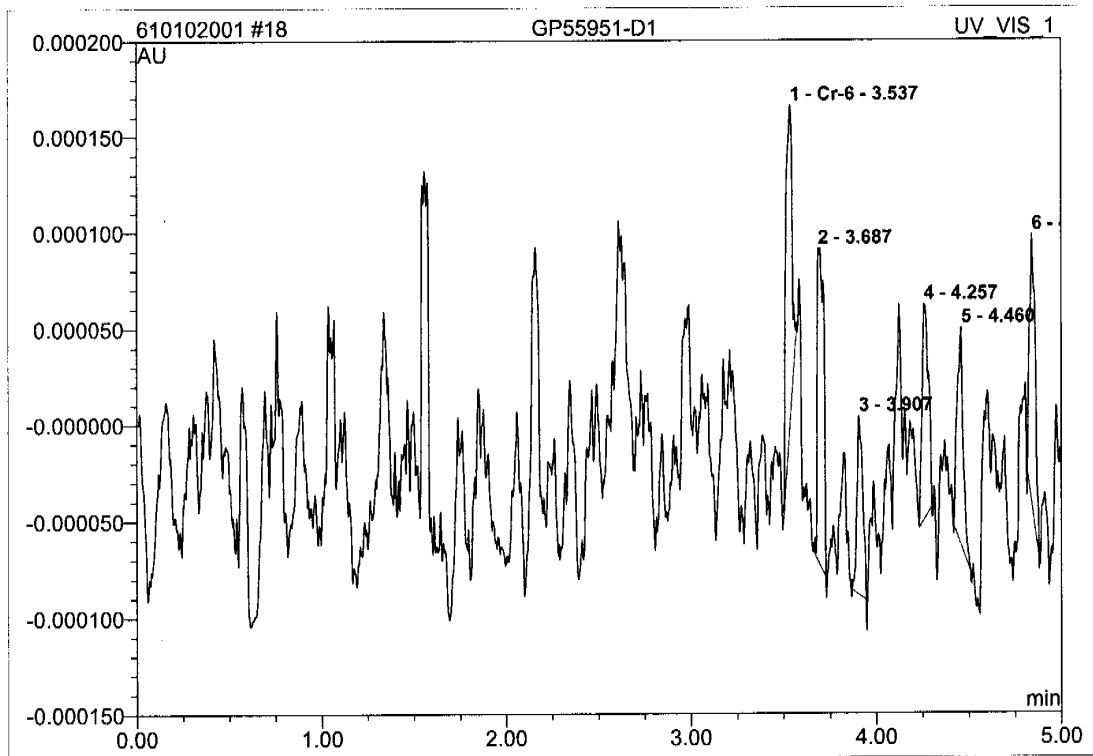
<b>17 GP55951-D1</b>			
Sample Name:	GP55951-D1	Injection Volume:	25.0
Vial Number:	17	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 9:37	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.66	n.a.	0.000	0.000	9.84	n.a.	BMB
2	2.93	n.a.	0.000	0.000	8.16	n.a.	BMB
3	3.13	n.a.	0.000	0.000	24.26	n.a.	BMB
4	3.46	n.a.	0.000	0.000	9.94	n.a.	BMB
5	3.62	Cr-6	0.000	0.000	7.51	-0.0012	BMB
6	4.01	n.a.	0.000	0.000	12.67	n.a.	BMB
7	4.55	n.a.	0.000	0.000	6.63	n.a.	BMB
8	4.82	n.a.	0.000	0.000	10.12	n.a.	BMB
9	4.95	n.a.	0.000	0.000	10.88	n.a.	BMB
<b>Total:</b>			0.001	0.000	100.00	-0.001	



<b>18 GP55951-D1</b>			
Sample Name:	GP55951-D1	Injection Volume:	25.0
Vial Number:	18	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 9:45	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000

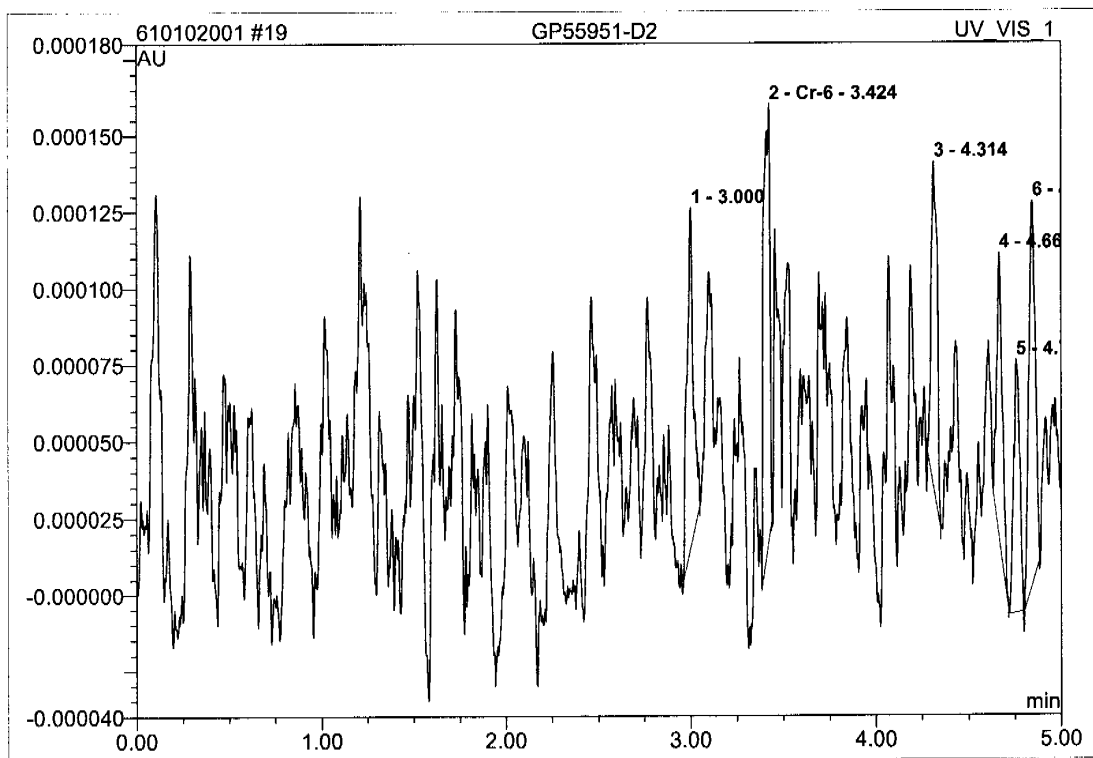


No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	3.54	Cr-6	0.000	0.000	22.01	-0.0009	BMB
2	3.69	n.a.	0.000	0.000	21.49	n.a.	BMB
3	3.91	n.a.	0.000	0.000	11.00	n.a.	BMB
4	4.26	n.a.	0.000	0.000	14.59	n.a.	BMB
5	4.46	n.a.	0.000	0.000	14.09	n.a.	BMB
6	4.84	n.a.	0.000	0.000	16.81	n.a.	BMB
<b>Total:</b>			0.001	0.000	100.00	-0.001	

hexachrome/Integration

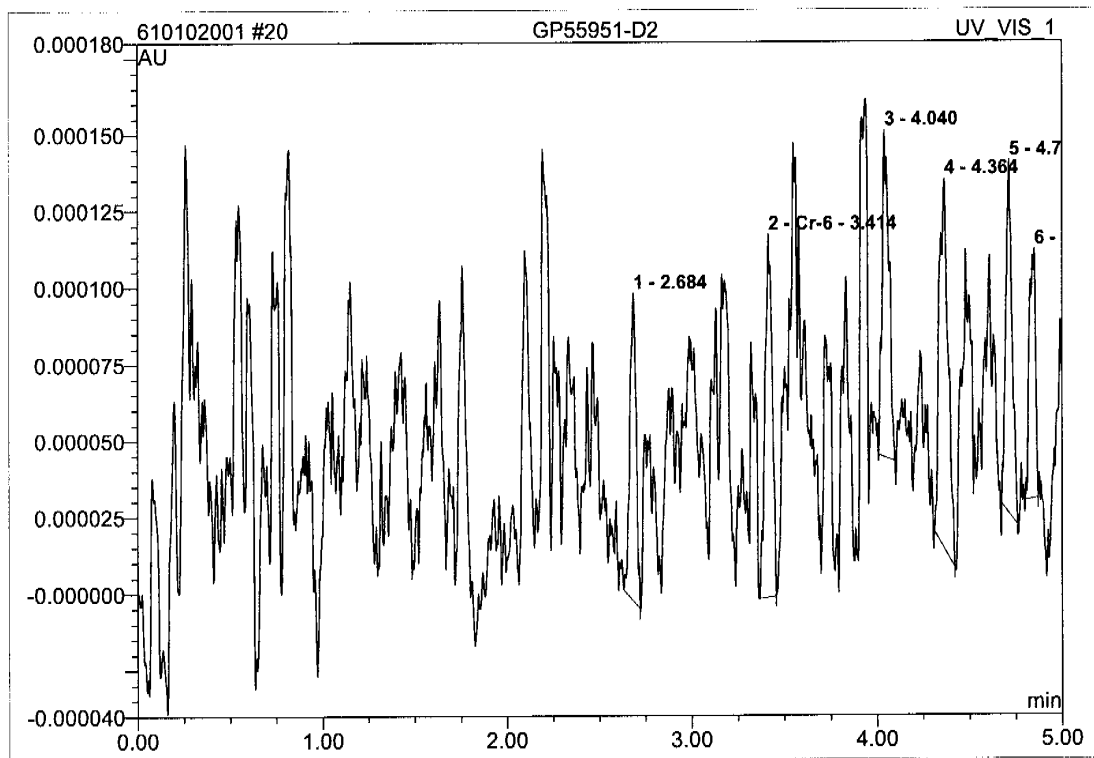
Chromeleon (c) Dionex 1996-2001  
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<b>19 GP55951-D2</b>			
Sample Name:	GP55951-D2	Injection Volume:	25.0
Vial Number:	19	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 9:53	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	3.00	n.a.	0.000	0.000	17.38	n.a.	BMB
2	3.42	Cr-6	0.000	0.000	21.42	-0.0010	BMB
3	4.31	n.a.	0.000	0.000	15.81	n.a.	BMB
4	4.67	n.a.	0.000	0.000	12.54	n.a.	BMB
5	4.76	n.a.	0.000	0.000	12.43	n.a.	BMB
6	4.84	n.a.	0.000	0.000	20.43	n.a.	BMB
<b>Total:</b>			0.001	0.000	100.00	-0.001	

<b>20 GP55951-D2</b>			
Sample Name:	GP55951-D2	Injection Volume:	25.0
Vial Number:	20	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 10:01	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000

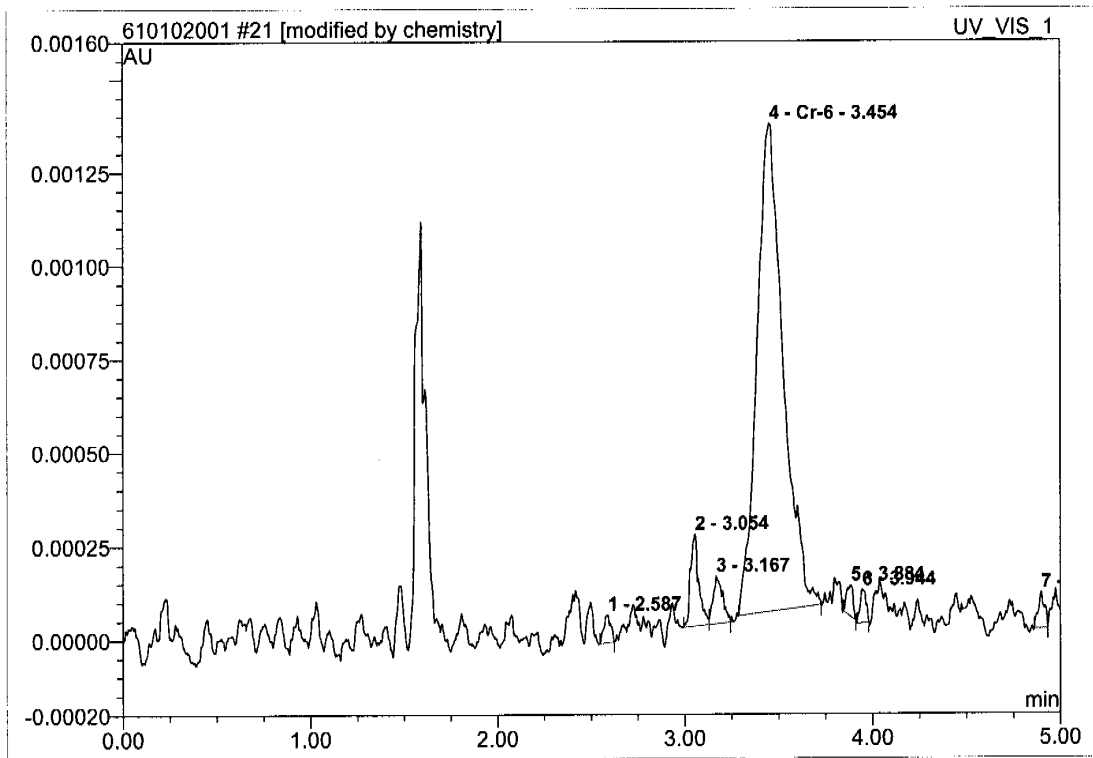


No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.68	n.a.	0.000	0.000	14.10	n.a.	BMB
2	3.41	Cr-6	0.000	0.000	18.84	-0.0010	BMB
3	4.04	n.a.	0.000	0.000	15.93	n.a.	BMB
4	4.36	n.a.	0.000	0.000	23.48	n.a.	BMB
5	4.71	n.a.	0.000	0.000	16.28	n.a.	BMB
6	4.85	n.a.	0.000	0.000	11.36	n.a.	BMB
<b>Total:</b>			0.001	0.000	100.00	-0.001	

hexachrome/Integration

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<b>21 GP55951-S1</b>			
Sample Name:	GP55951-S1	Injection Volume:	25.0
Vial Number:	21	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 10:09	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000

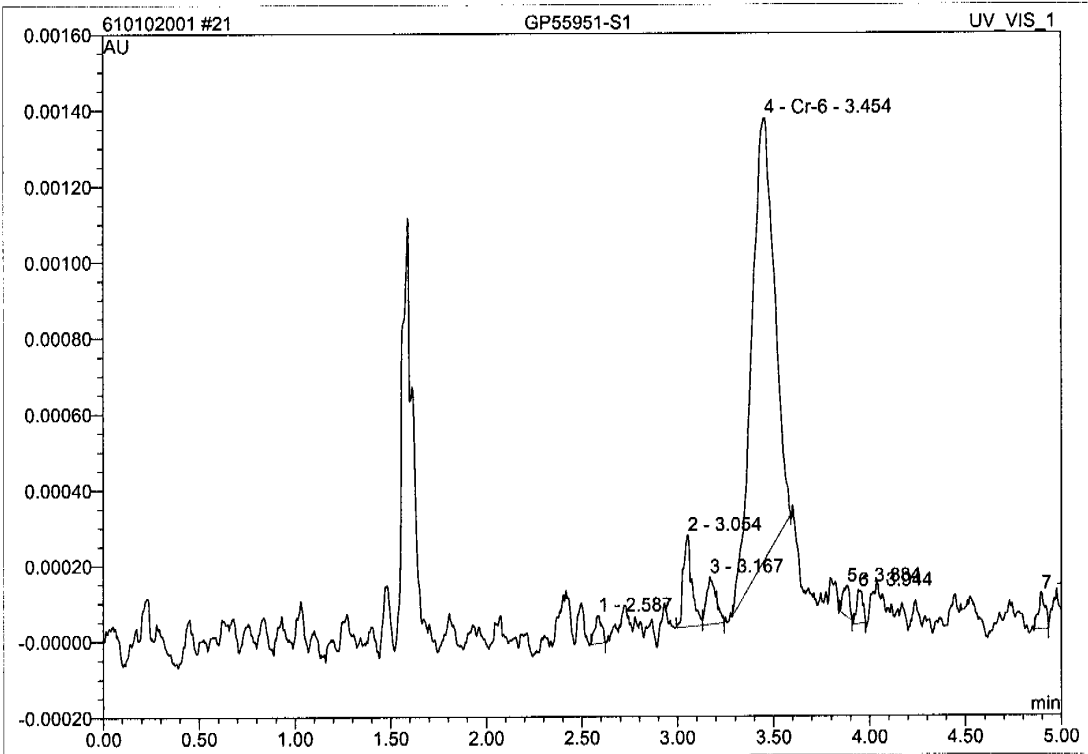


No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.59	n.a.	0.000	0.000	1.31	n.a.	BMB
2	3.05	n.a.	0.000	0.000	5.21	n.a.	BM
3	3.17	n.a.	0.000	0.000	3.01	n.a.	MB
4	3.45	Cr-6	0.001	0.000	86.28	0.0224	BMB*
5	3.88	n.a.	0.000	0.000	1.28	n.a.	BMB
6	3.94	n.a.	0.000	0.000	1.35	n.a.	BMB
7	4.90	n.a.	0.000	0.000	1.57	n.a.	BMB
<b>Total:</b>			0.002	0.000	100.00	0.022	

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
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<b>21 GP55951-S1</b>			
Sample Name:	GP55951-S1	Injection Volume:	25.0
Vial Number:	21	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 10:09	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



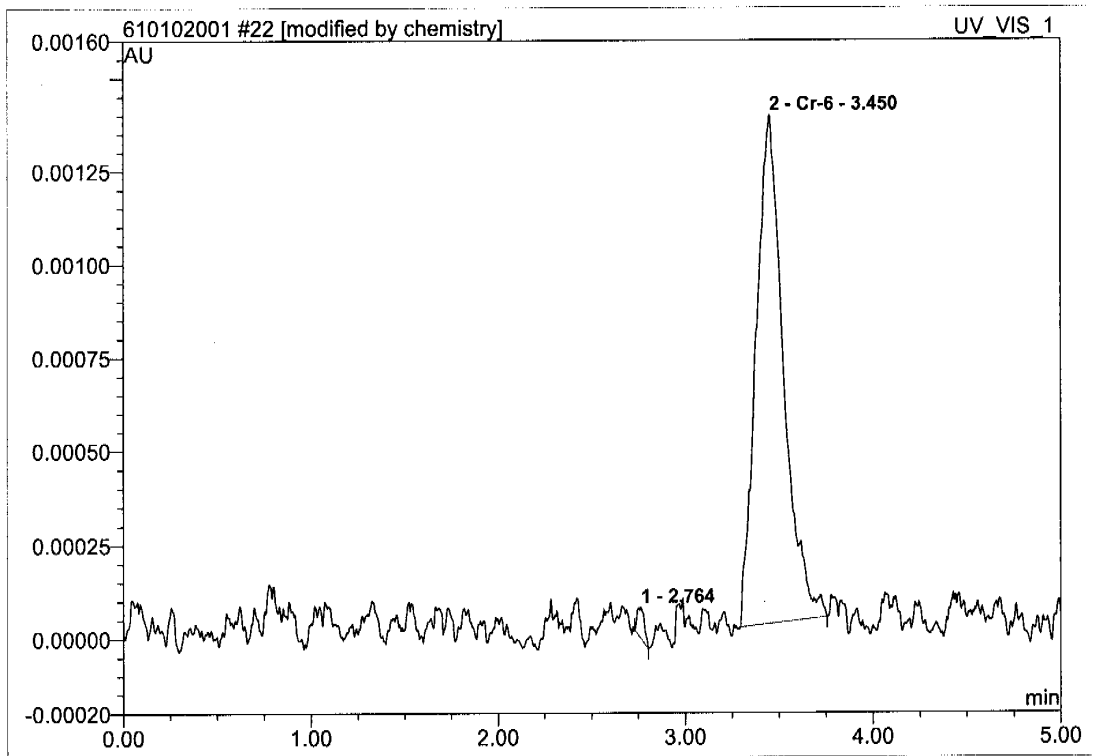
No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.59	n.a.	0.000	0.000	1.65	n.a.	BMB
2	3.05	n.a.	0.000	0.000	6.57	n.a.	BM
3	3.17	n.a.	0.000	0.000	3.79	n.a.	MB
4	3.45	Cr-6	0.001	0.000	82.70	0.0166	BMB
5	3.88	n.a.	0.000	0.000	1.61	n.a.	BMB
6	3.94	n.a.	0.000	0.000	1.71	n.a.	BMB
7	4.90	n.a.	0.000	0.000	1.97	n.a.	BMB
<b>Total:</b>			0.002	0.000	100.00	0.017	

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<b>22 GP55951-S1</b>			
Sample Name:	GP55951-S1	Injection Volume:	25.0
Vial Number:	22	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 10:17	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



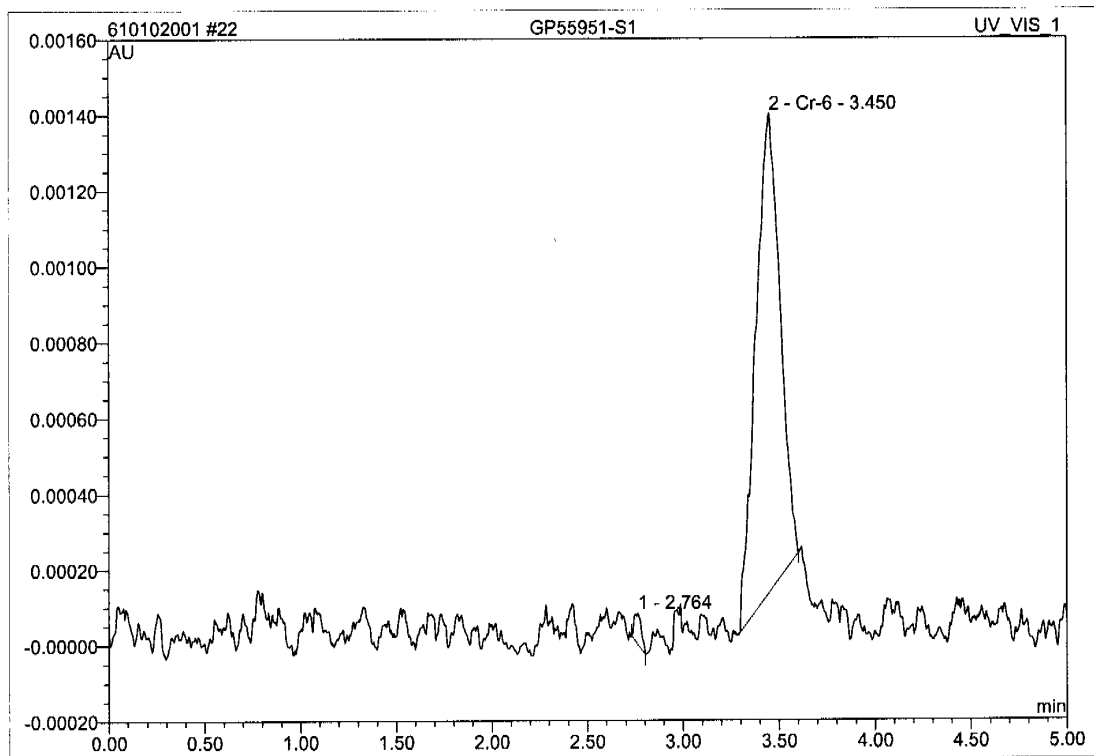
No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.76	n.a.	0.000	0.000	1.54	n.a.	BMB
2	3.45	Cr-6	0.001	0.000	98.46	0.0246	BMB*
<b>Total:</b>			0.001	0.000	100.00	0.025	

hexachrome/Integration

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<b>22 GP55951-S1</b>			
Sample Name:	GP55951-S1	Injection Volume:	25.0
Vial Number:	22	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 10:17	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000

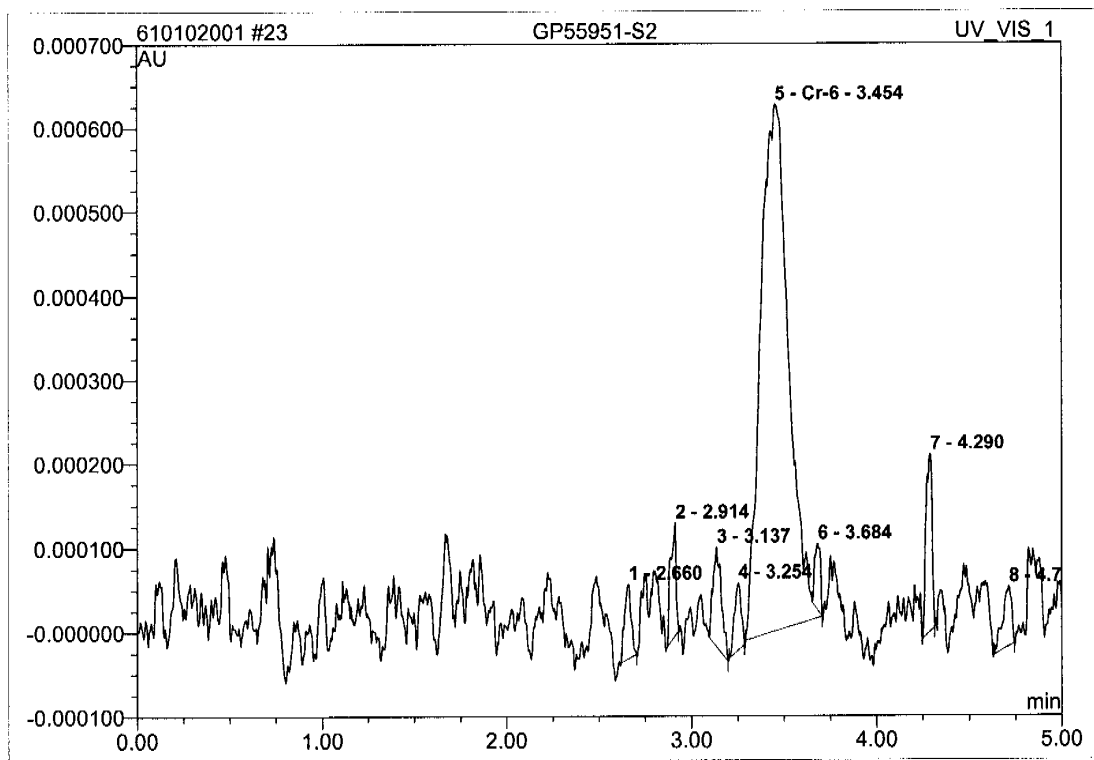


No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.76	n.a.	0.000	0.000	1.89	n.a.	BMB
2	3.45	Cr-6	0.001	0.000	98.11	0.0197	BMB
<b>Total:</b>			0.001	0.000	100.00	0.020	

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7.1  
7

<b>23 GP55951-S2</b>			
Sample Name:	GP55951-S2	Injection Volume:	25.0
Vial Number:	23	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 10:25	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



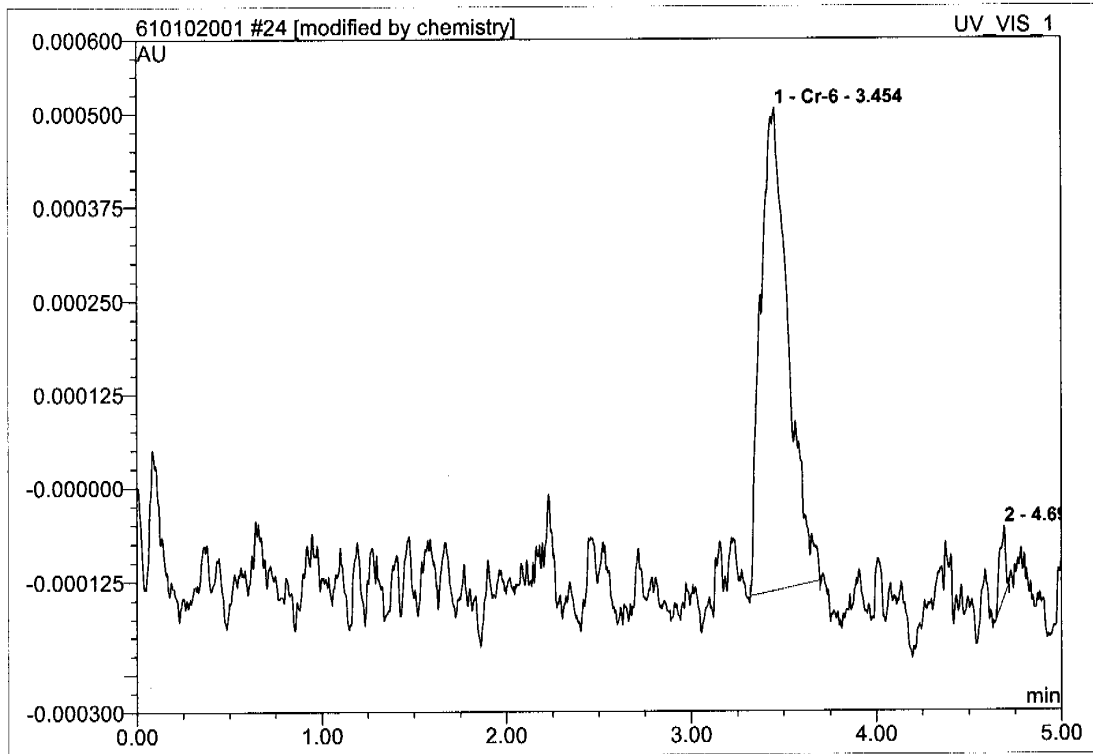
No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.66	n.a.	0.000	0.000	2.54	n.a.	BMB
2	2.91	n.a.	0.000	0.000	3.38	n.a.	BMB
3	3.14	n.a.	0.000	0.000	4.43	n.a.	BMB
4	3.25	n.a.	0.000	0.000	2.40	n.a.	BMB
5	3.45	Cr-6	0.001	0.000	76.70	0.0108	BMB
6	3.68	n.a.	0.000	0.000	2.01	n.a.	Rd
7	4.29	n.a.	0.000	0.000	5.77	n.a.	BMB
8	4.71	n.a.	0.000	0.000	2.77	n.a.	BMB
<b>Total:</b>			0.001	0.000	100.00	0.011	

hexachrome/Integration

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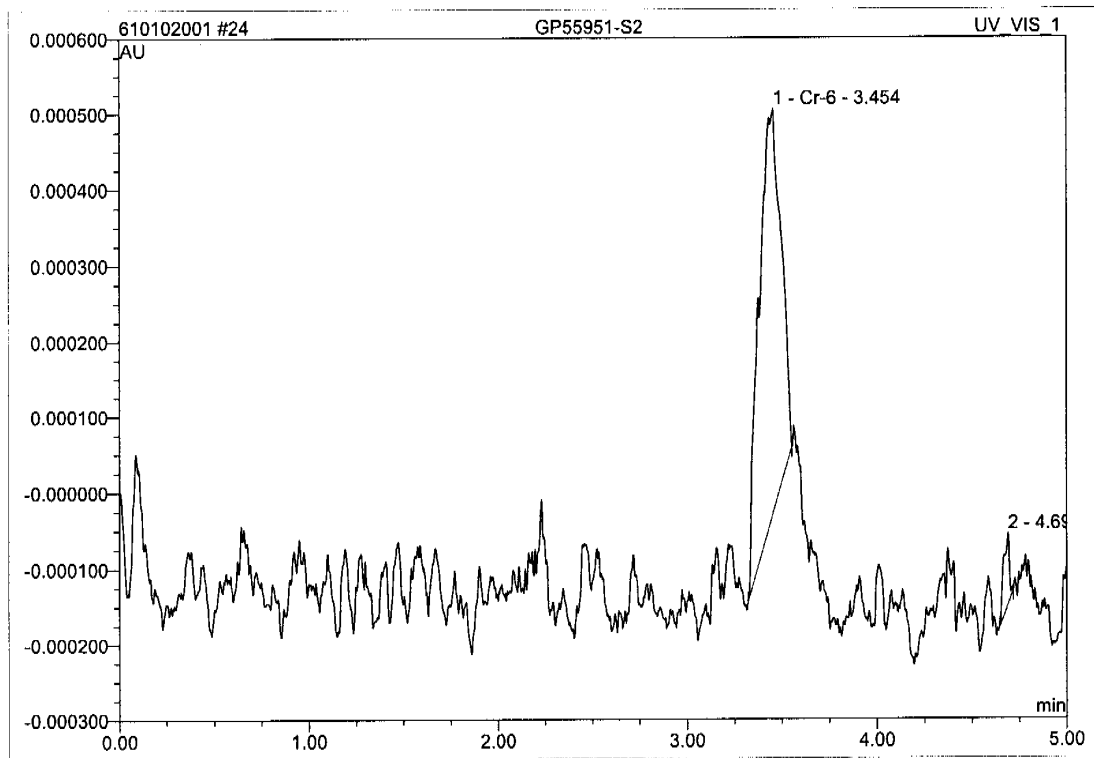
<b>24 GP55951-S2</b>			
Sample Name:	GP55951-S2	Injection Volume:	25.0
Vial Number:	24	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 10:32	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	3.45	Cr-6	0.001	0.000	97.00	0.0111	BMB*
2	4.69	n.a.	0.000	0.000	3.00	n.a.	BMB
<b>Total:</b>			0.001	0.000	100.00	0.011	

7.1  
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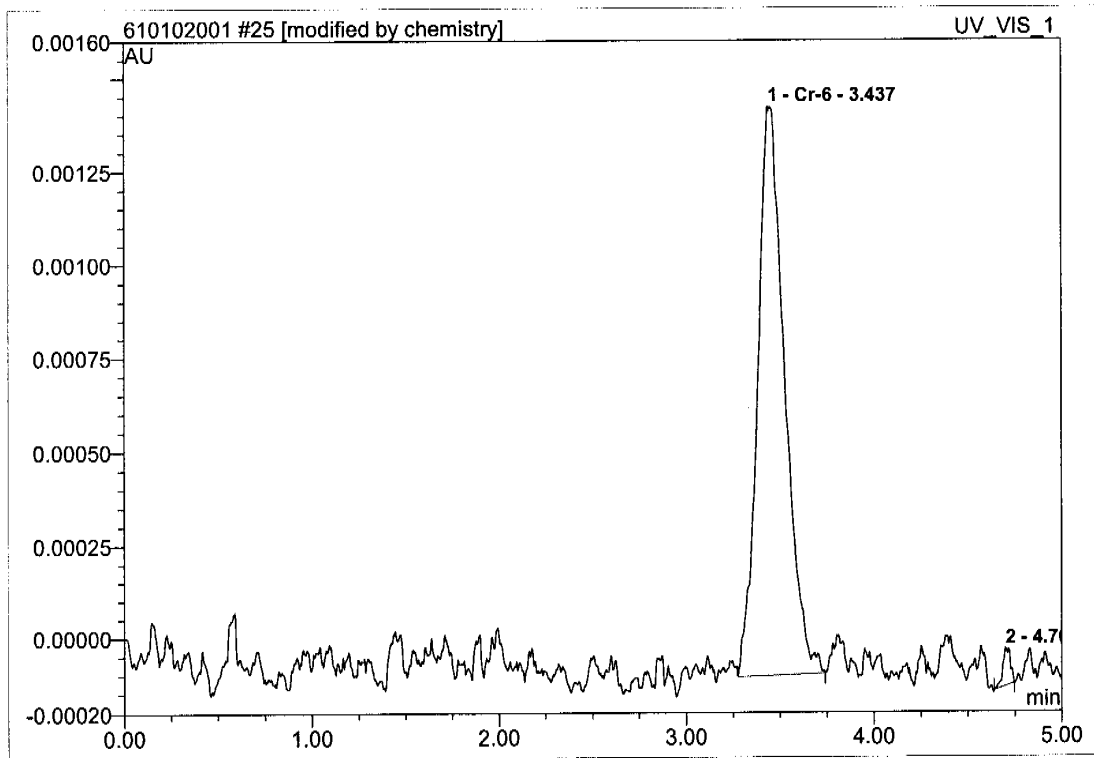
<b>24 GP55951-S2</b>			
Sample Name:	GP55951-S2	Injection Volume:	25.0
Vial Number:	24	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 10:32	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	3.45	Cr-6	0.001	0.000	95.57	0.0068	BMB
2	4.69	n.a.	0.000	0.000	4.43	n.a.	BMB
<b>Total:</b>			0.001	0.000	100.00	0.007	

*PII BD 10/20/2010*

<b>25 GP55951-S1</b>			
Sample Name:	GP55951-S1	Injection Volume:	25.0
Vial Number:	1	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 10:40	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



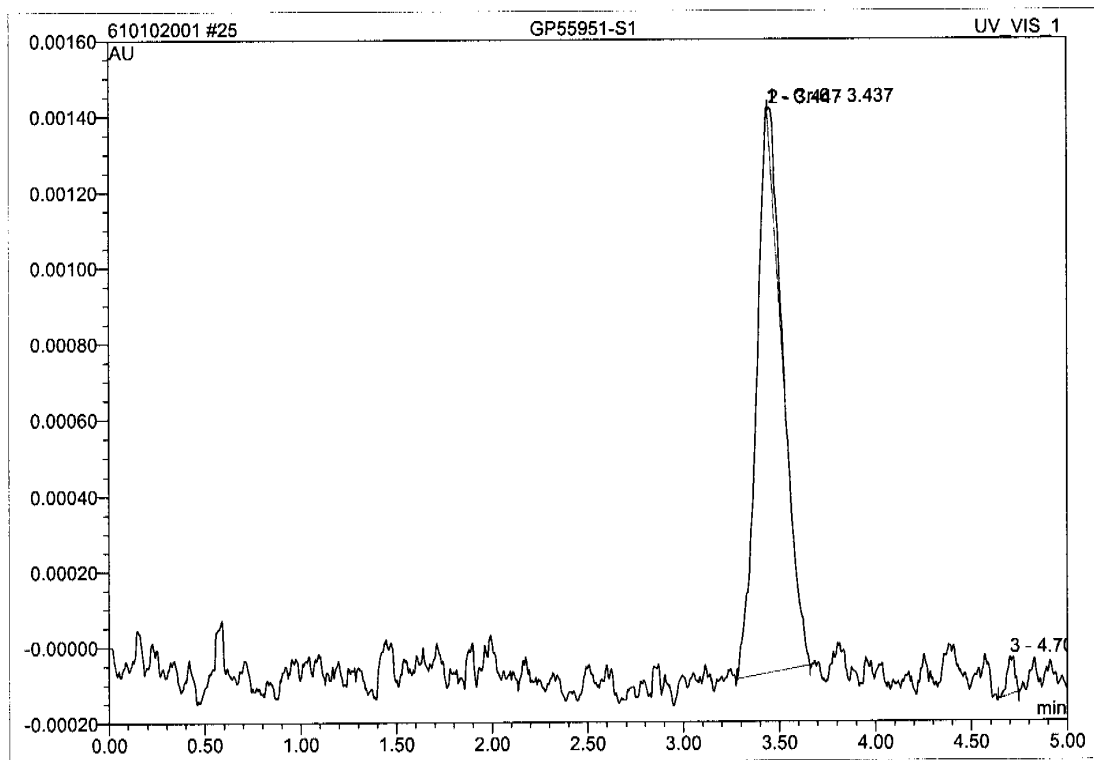
No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	3.44	Cr-6	0.002	0.000	98.23	0.0274	BMB*
2	4.70	n.a.	0.000	0.000	1.77	n.a.	BMB
<b>Total:</b>			0.002	0.000	100.00	0.027	

hexachrome/Integration

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7.1  
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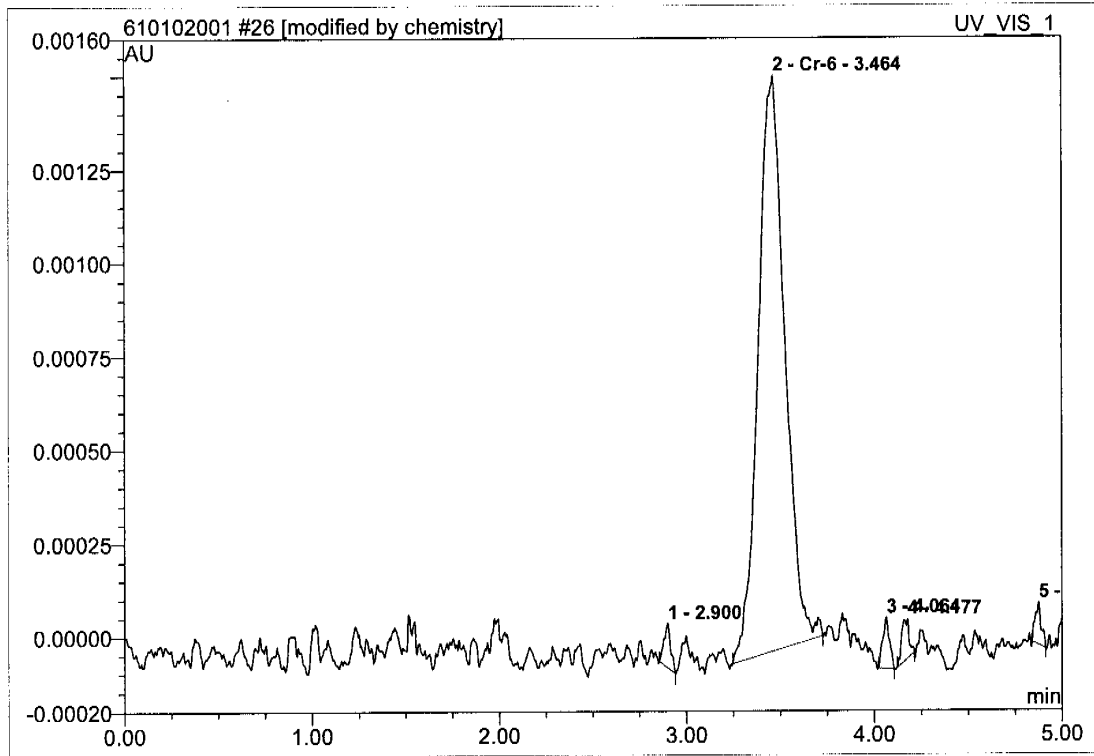
<b>25 GP55951-S1</b>			
Sample Name:	GP55951-S1	Injection Volume:	25.0
Vial Number:	1	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 10:40	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	3.44	Cr-6	0.001	0.000	94.37	0.0247	BMB
2	3.45	n.a.	0.000	0.000	3.75	n.a.	Rd
3	4.70	n.a.	0.000	0.000	1.88	n.a.	BMB
<b>Total:</b>			0.002	0.000	100.00	0.025	

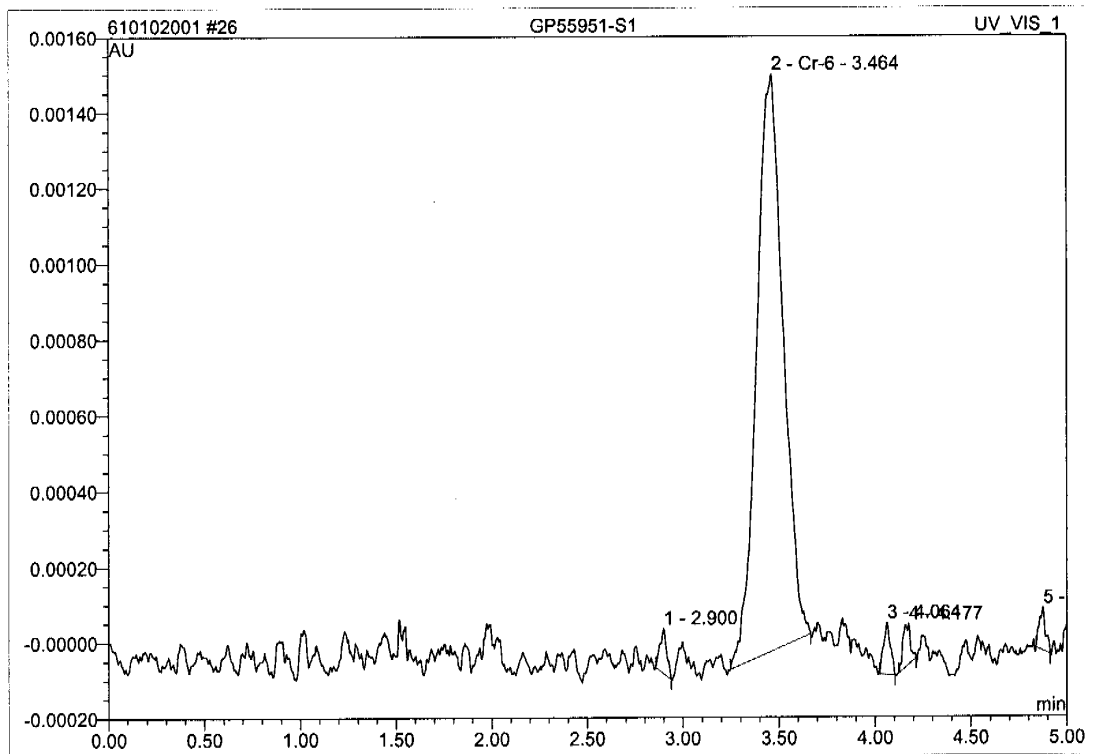
*PII @ 10/20/2010*

<b>26 GP55951-S1</b>			
Sample Name:	GP55951-S1	Injection Volume:	25.0
Vial Number:	2	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 10:48	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.90	n.a.	0.000	0.000	1.76	n.a.	BMB
2	3.46	Cr-6	0.002	0.000	92.71	0.0273	BMB*
3	4.06	n.a.	0.000	0.000	2.09	n.a.	BMB
4	4.18	n.a.	0.000	0.000	1.85	n.a.	BMB
5	4.88	n.a.	0.000	0.000	1.59	n.a.	BMB
<b>Total:</b>			0.002	0.000	100.00	0.027	

<b>26 GP55951-S1</b>			
Sample Name:	GP55951-S1	Injection Volume:	25.0
Vial Number:	2	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 10:48	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



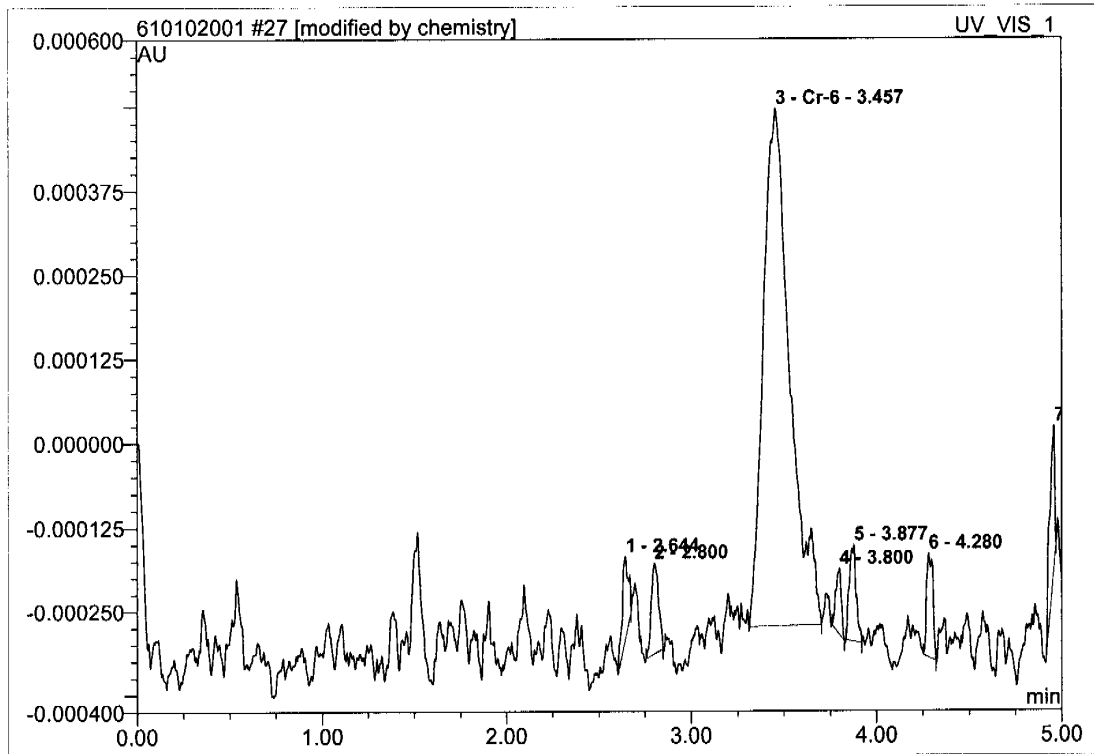
No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.90	n.a.	0.000	0.000	1.81	n.a.	BMB
2	3.46	Cr-6	0.002	0.000	92.48	0.0264	BMB
3	4.06	n.a.	0.000	0.000	2.15	n.a.	BMB
4	4.18	n.a.	0.000	0.000	1.91	n.a.	BMB
5	4.88	n.a.	0.000	0.000	1.64	n.a.	BMB
<b>Total:</b>			0.002	0.000	100.00	0.026	

*POB BD 10/20/2010*

hexachrome/Integration

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<b>27 GP55951-S2</b>			
Sample Name:	GP55951-S2	Injection Volume:	25.0
Vial Number:	3	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 10:56	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000

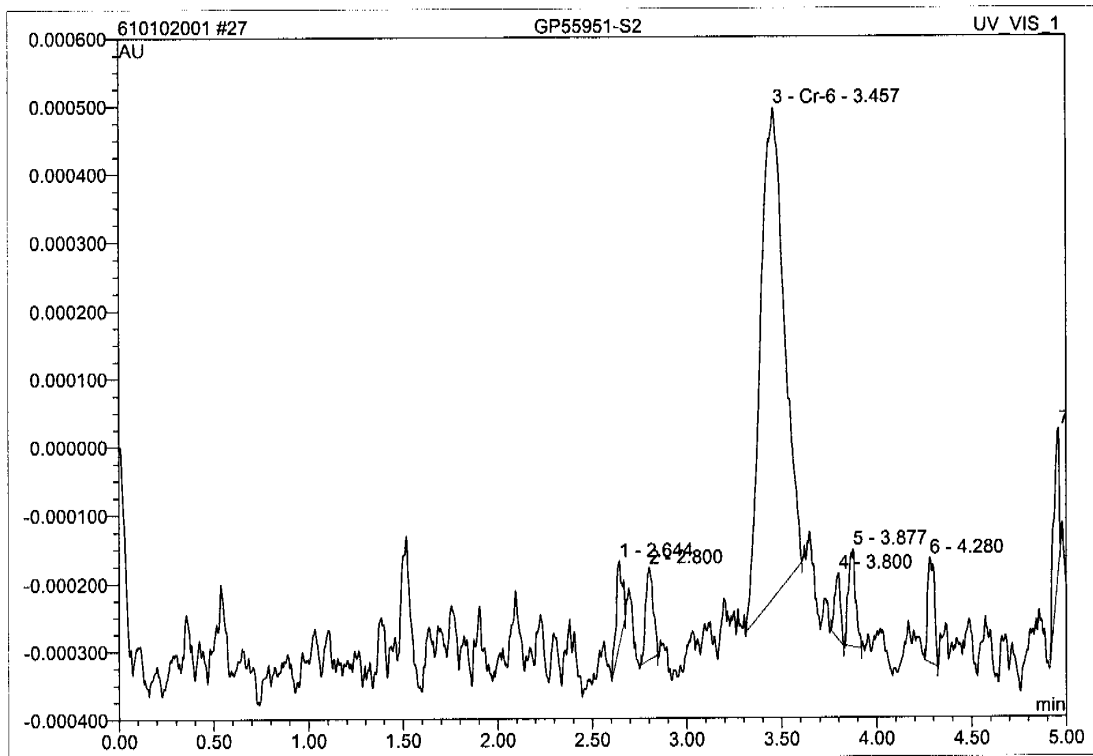


No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.64	n.a.	0.000	0.000	3.00	n.a.	BMB
2	2.80	n.a.	0.000	0.000	3.88	n.a.	BMB
3	3.46	Cr-6	0.001	0.000	78.68	0.0129	BMB*
4	3.80	n.a.	0.000	0.000	2.05	n.a.	BMB
5	3.88	n.a.	0.000	0.000	3.86	n.a.	BMB
6	4.28	n.a.	0.000	0.000	3.89	n.a.	BMB
7	4.96	n.a.	0.000	0.000	4.64	n.a.	BMB
<b>Total:</b>			0.002	0.000	100.00	0.013	

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
Version 6.80 SR10 Build 2818 (166959)

<b>27 GP55951-S2</b>			
Sample Name:	GP55951-S2	Injection Volume:	25.0
Vial Number:	3	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 10:56	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.64	n.a.	0.000	0.000	3.50	n.a.	BMB
2	2.80	n.a.	0.000	0.000	4.54	n.a.	BMB
3	3.46	Cr-6	0.001	0.000	75.09	0.0103	BMB
4	3.80	n.a.	0.000	0.000	2.39	n.a.	BMB
5	3.88	n.a.	0.000	0.000	4.51	n.a.	BMB
6	4.28	n.a.	0.000	0.000	4.55	n.a.	BMB
7	4.96	n.a.	0.000	0.000	5.42	n.a.	BMB
<b>Total:</b>			0.002	0.000	100.00	0.010	

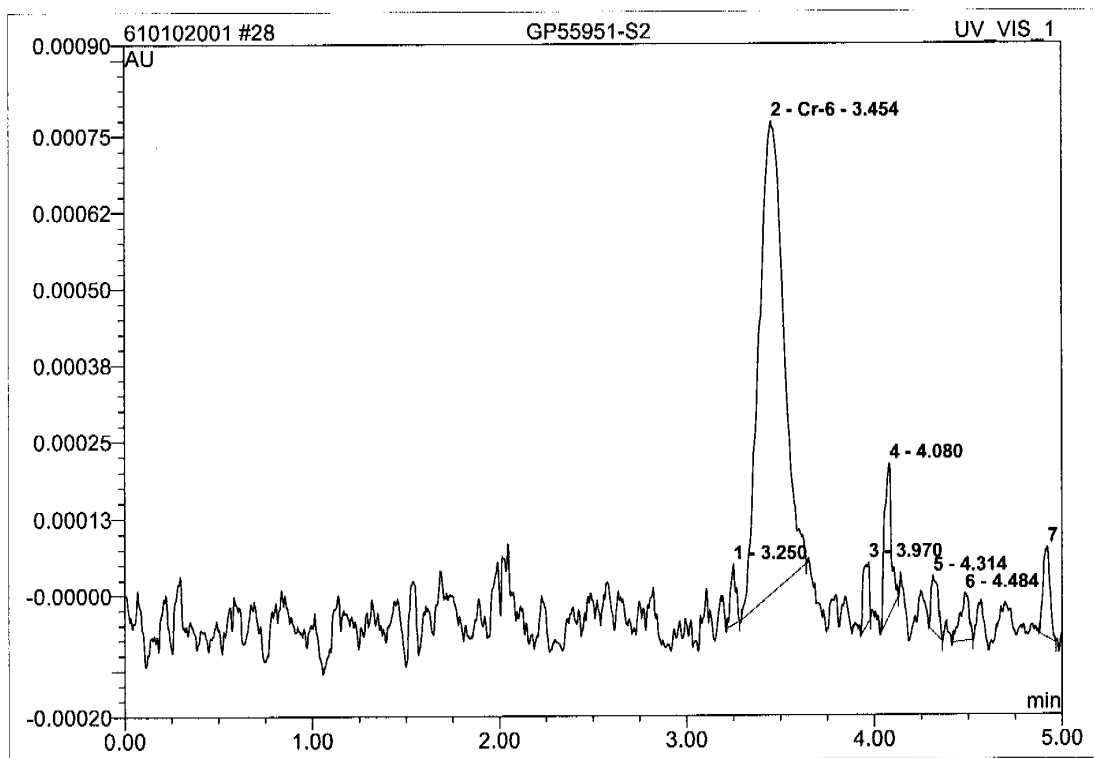
*PDG AD 10/20/2010*

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
Version 6.80 SR10 Build 2818 (166959)



28 GP55951-S2			
Sample Name:	GP55951-S2	Injection Volume:	25.0
Vial Number:	4	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 11:04	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



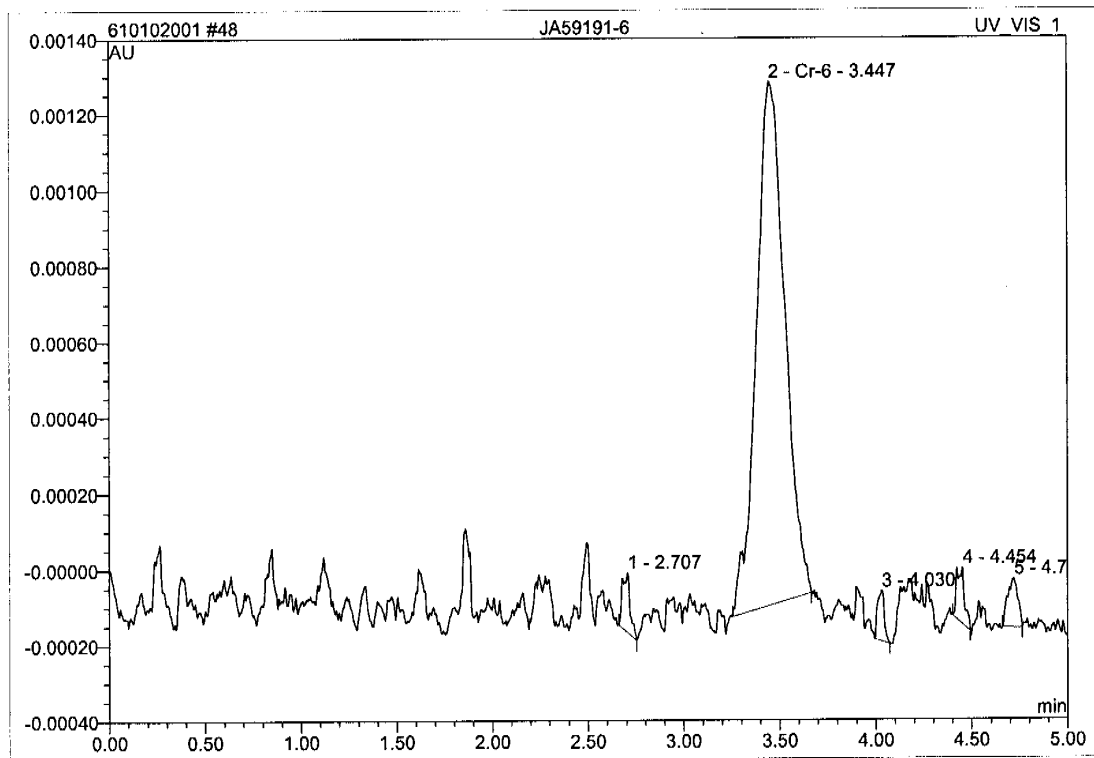
No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	3.25	n.a.	0.000	0.000	2.13	n.a.	BMB
2	3.45	Cr-6	0.001	0.000	78.17	0.0117	BMB
3	3.97	n.a.	0.000	0.000	2.71	n.a.	BMB
4	4.08	n.a.	0.000	0.000	7.14	n.a.	BMB
5	4.31	n.a.	0.000	0.000	2.66	n.a.	BMB
6	4.48	n.a.	0.000	0.000	2.86	n.a.	BMB
7	4.92	n.a.	0.000	0.000	4.33	n.a.	BMB
<b>Total:</b>			0.002	0.000	100.00	0.012	

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
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<b>48 JA59191-6</b>			
Sample Name:	JA59191-6	Injection Volume:	25.0
Vial Number:	44	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 13:43	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000

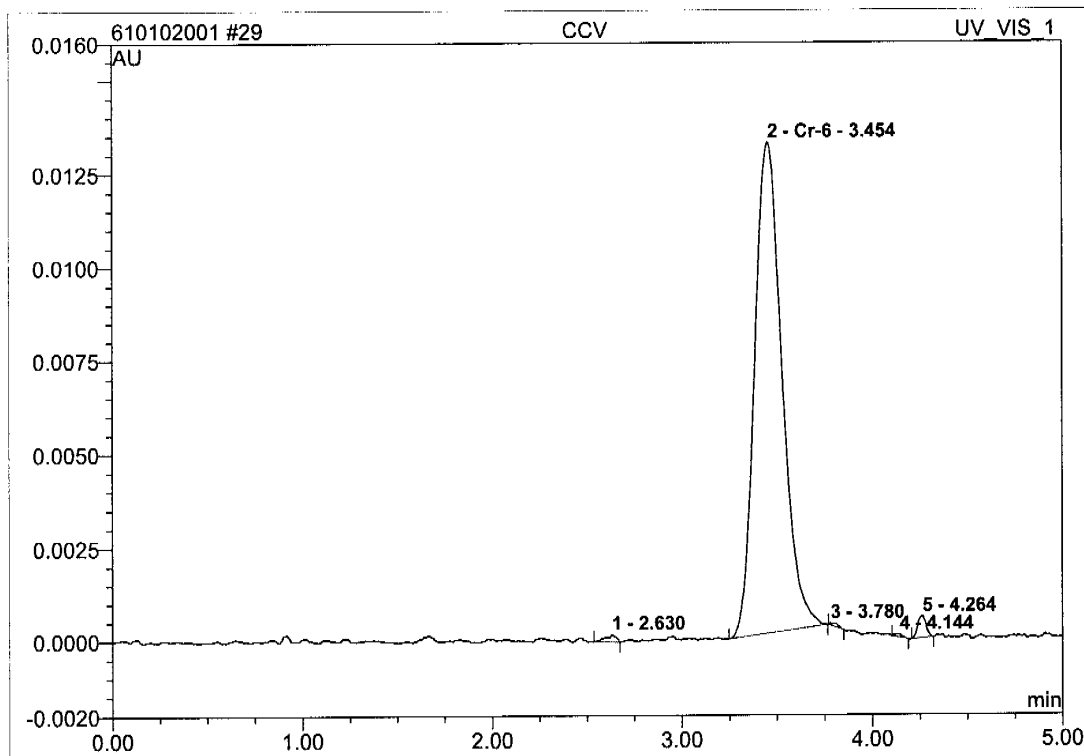


No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.71	n.a.	0.000	0.000	2.78	n.a.	BMB
2	3.45	Cr-6	0.001	0.000	89.63	0.0254	BMB
3	4.03	n.a.	0.000	0.000	2.00	n.a.	BMB
4	4.45	n.a.	0.000	0.000	2.59	n.a.	BMB
5	4.72	n.a.	0.000	0.000	3.00	n.a.	BMB
<b>Total:</b>			0.002	0.000	100.00	0.025	

*PDB @ 10/20/2010*

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<b>29 CCV</b>			
Sample Name:	CCV	Injection Volume:	25.0
Vial Number:	29	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 11:12	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000

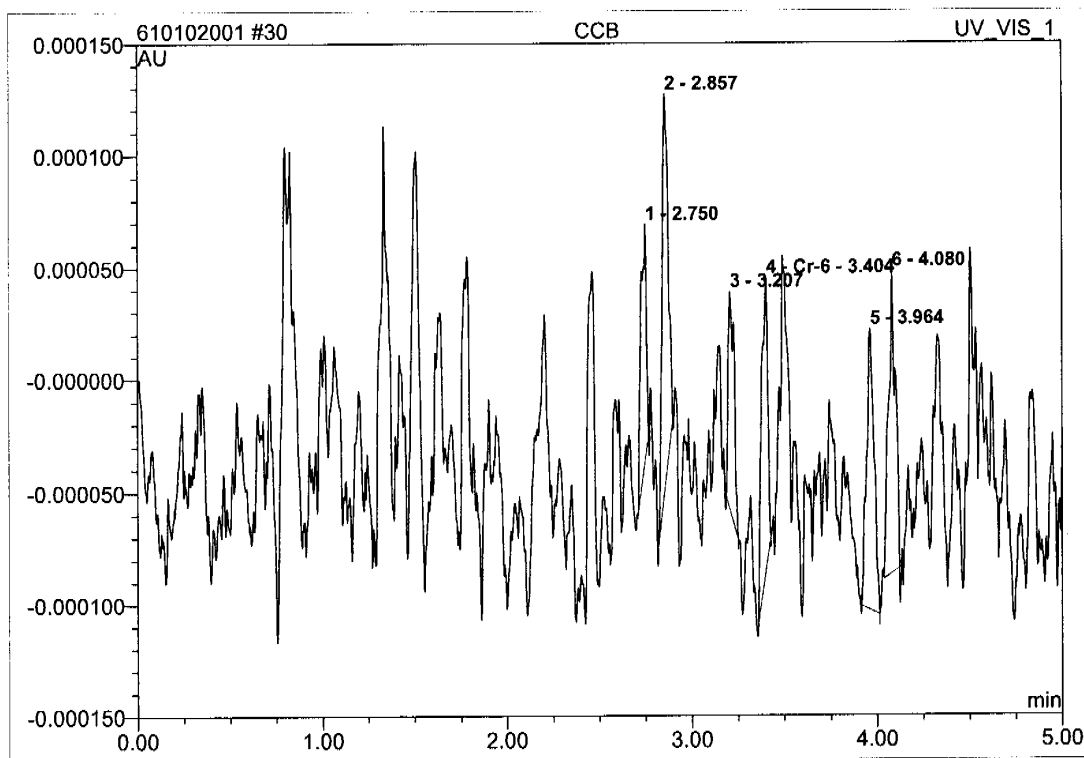


No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.63	n.a.	0.000	0.000	0.57	n.a.	BMB
2	3.45	Cr-6	0.013	0.002	97.74	0.2486	BMB
3	3.78	n.a.	0.000	0.000	0.18	n.a.	BMB
4	4.14	n.a.	0.000	0.000	0.17	n.a.	BMB
5	4.26	n.a.	0.001	0.000	1.34	n.a.	BMB
<b>Total:</b>			0.014	0.002	100.00	0.249	

hexachrome/Integration

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<b>30 CCB</b>			
Sample Name:	<b>CCB</b>	Injection Volume:	<b>25.0</b>
Vial Number:	<b>30</b>	Channel:	<b>UV_VIS_1</b>
Sample Type:	<b>unknown</b>	Wavelength:	<b>n.a.</b>
Control Program:	<b>hexachrome_ASDV</b>	Bandwidth:	<b>n.a.</b>
Quantif. Method:	<b>hexachrome</b>	Dilution Factor:	<b>1.0000</b>
Recording Time:	<b>10/20/2010 11:20</b>	Sample Weight:	<b>1.0000</b>
Run Time (min):	<b>5.00</b>	Sample Amount:	<b>1.0000</b>

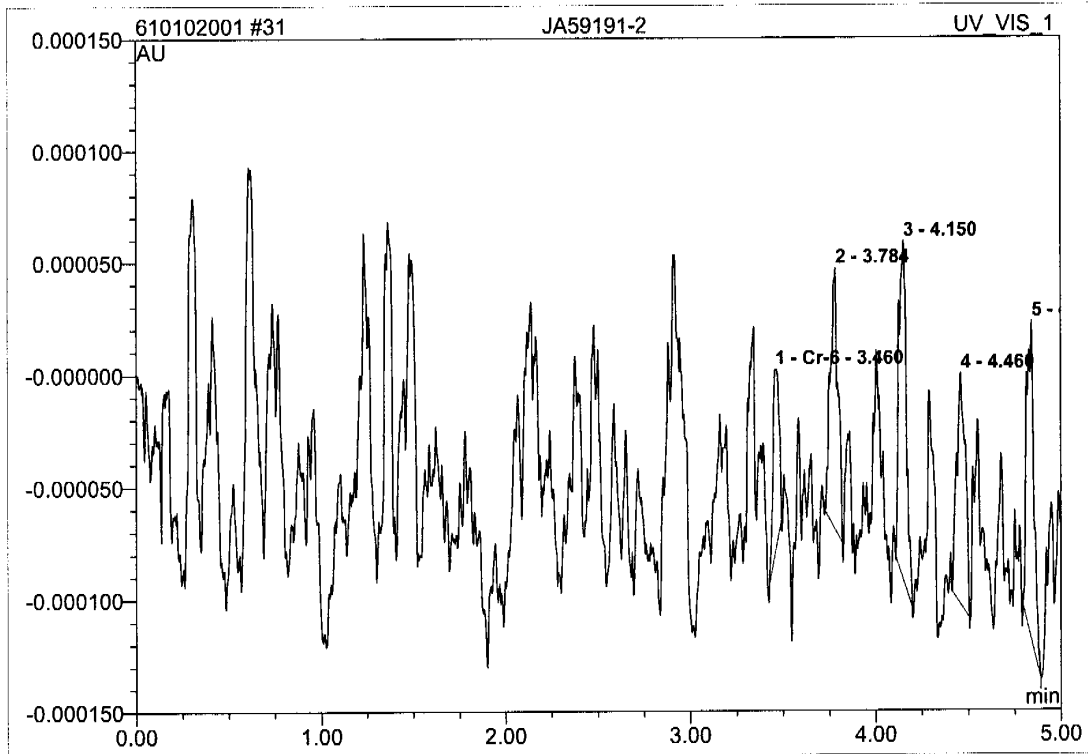


No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.75	n.a.	0.000	0.000	12.15	n.a.	BMB
2	2.86	n.a.	0.000	0.000	21.42	n.a.	BMB
3	3.21	n.a.	0.000	0.000	11.84	n.a.	BMB
4	3.40	Cr-6	0.000	0.000	16.25	-0.0011	BMB
5	3.96	n.a.	0.000	0.000	19.11	n.a.	BMB
6	4.08	n.a.	0.000	0.000	19.23	n.a.	BMB
<b>Total:</b>			0.001	0.000	100.00	-0.001	

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**31 JA59191-2**

Sample Name:	<b>JA59191-2</b>	Injection Volume:	<b>25.0</b>
Vial Number:	<b>25</b>	Channel:	<b>UV_VIS_1</b>
Sample Type:	<b>unknown</b>	Wavelength:	<b>n.a.</b>
Control Program:	<b>hexachrome_ASDV</b>	Bandwidth:	<b>n.a.</b>
Quantif. Method:	<b>hexachrome</b>	Dilution Factor:	<b>1.0000</b>
Recording Time:	<b>10/20/2010 11:28</b>	Sample Weight:	<b>1.0000</b>
Run Time (min):	<b>5.00</b>	Sample Amount:	<b>1.0000</b>

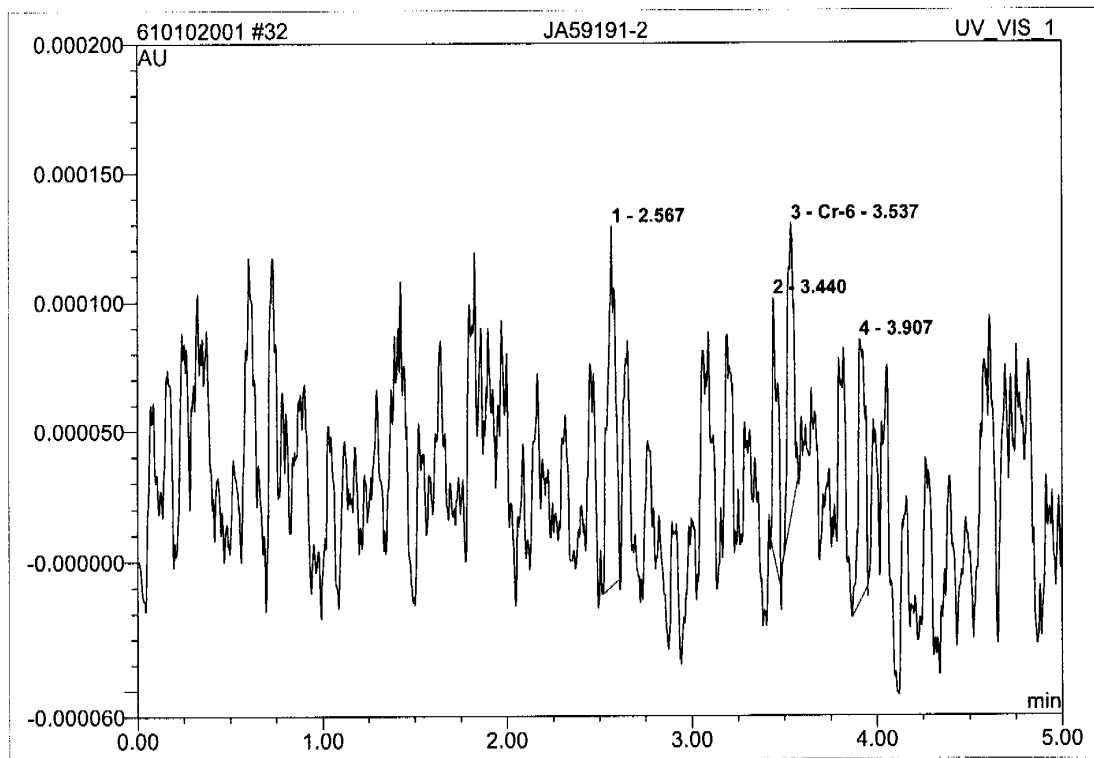


No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	3.46	Cr-6	0.000	0.000	11.79	-0.0013	BMB
2	3.78	n.a.	0.000	0.000	19.90	n.a.	BMB
3	4.15	n.a.	0.000	0.000	24.67	n.a.	BMB
4	4.46	n.a.	0.000	0.000	20.14	n.a.	BMB
5	4.84	n.a.	0.000	0.000	23.51	n.a.	BMB
<b>Total:</b>			0.001	0.000	100.00	-0.001	

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
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<b>32 JA59191-2</b>			
Sample Name:	JA59191-2	Injection Volume:	25.0
Vial Number:	26	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 11:36	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



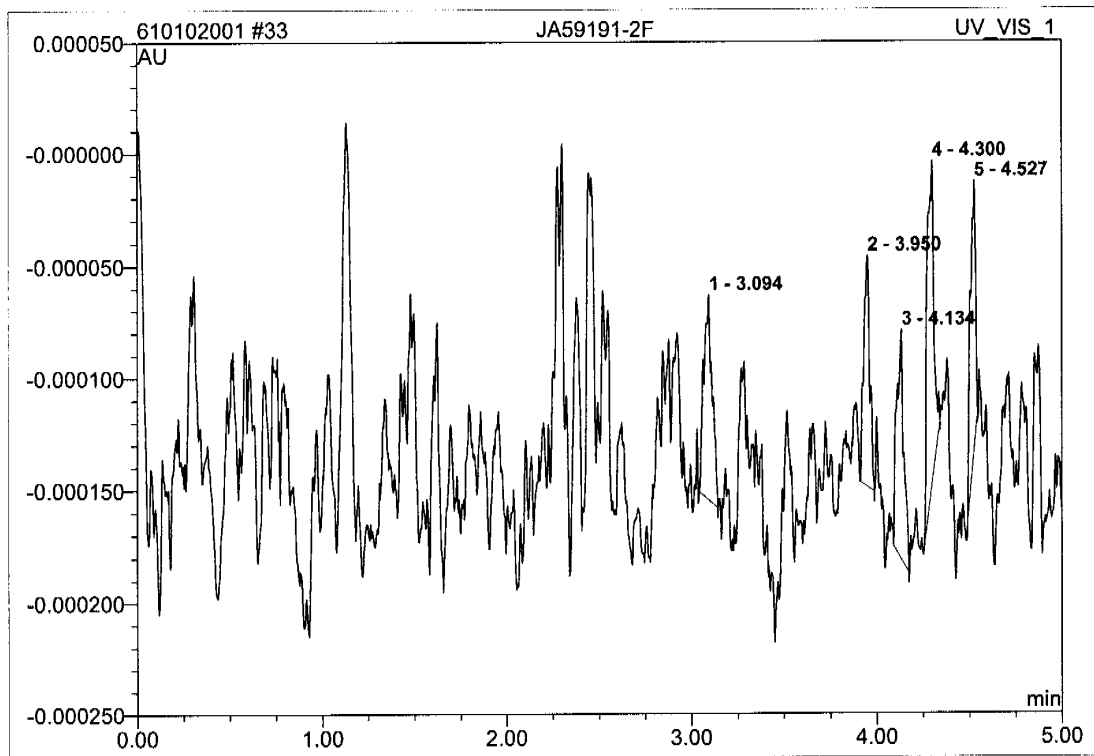
No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.57	n.a.	0.000	0.000	35.81	n.a.	BMB
2	3.44	n.a.	0.000	0.000	17.36	n.a.	BMB
3	3.54	Cr-6	0.000	0.000	23.89	-0.0011	BMB
4	3.91	n.a.	0.000	0.000	22.95	n.a.	BMB
<b>Total:</b>			0.000	0.000	100.00	-0.001	

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
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33 JA59191-2F			
Sample Name:	JA59191-2F	Injection Volume:	25.0
Vial Number:	27	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 11:44	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000

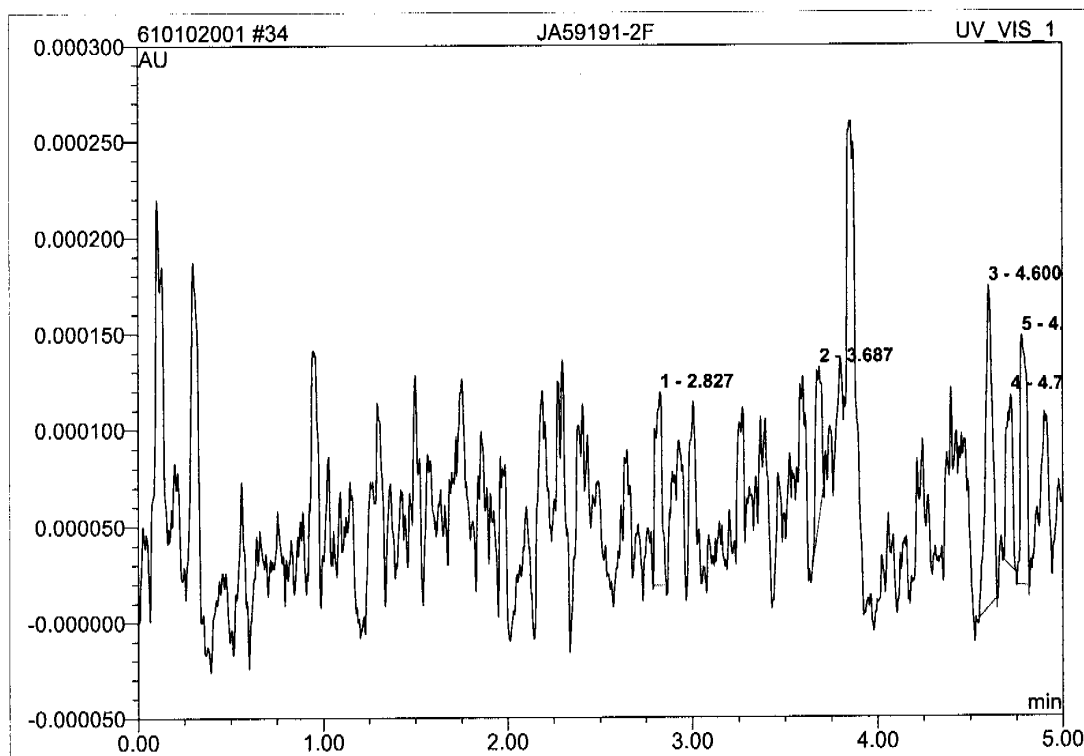


No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	3.09	n.a.	0.000	0.000	20.10	n.a.	BMB
2	3.95	n.a.	0.000	0.000	16.32	n.a.	BMB
3	4.13	n.a.	0.000	0.000	18.81	n.a.	BMB
4	4.30	n.a.	0.000	0.000	27.19	n.a.	BMB
5	4.53	n.a.	0.000	0.000	17.59	n.a.	BMB
<b>Total:</b>			0.001	0.000	100.00	0.000	

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
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<b>34 JA59191-2F</b>			
Sample Name:	JA59191-2F	Injection Volume:	25.0
Vial Number:	28	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 11:52	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.83	n.a.	0.000	0.000	18.09	n.a.	BMB
2	3.69	n.a.	0.000	0.000	13.46	n.a.	BMB
3	4.60	n.a.	0.000	0.000	31.84	n.a.	BMB
4	4.72	n.a.	0.000	0.000	14.71	n.a.	BMB
5	4.78	n.a.	0.000	0.000	21.91	n.a.	BMB
<b>Total:</b>			0.001	0.000	100.00	0.000	

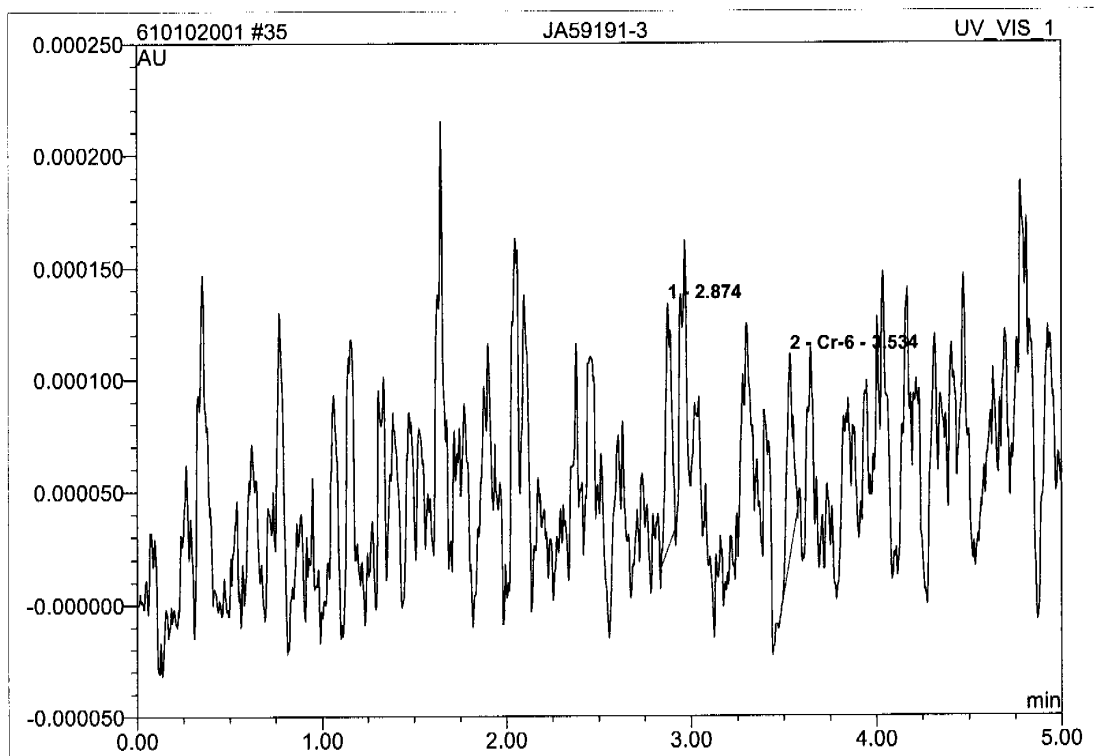
hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
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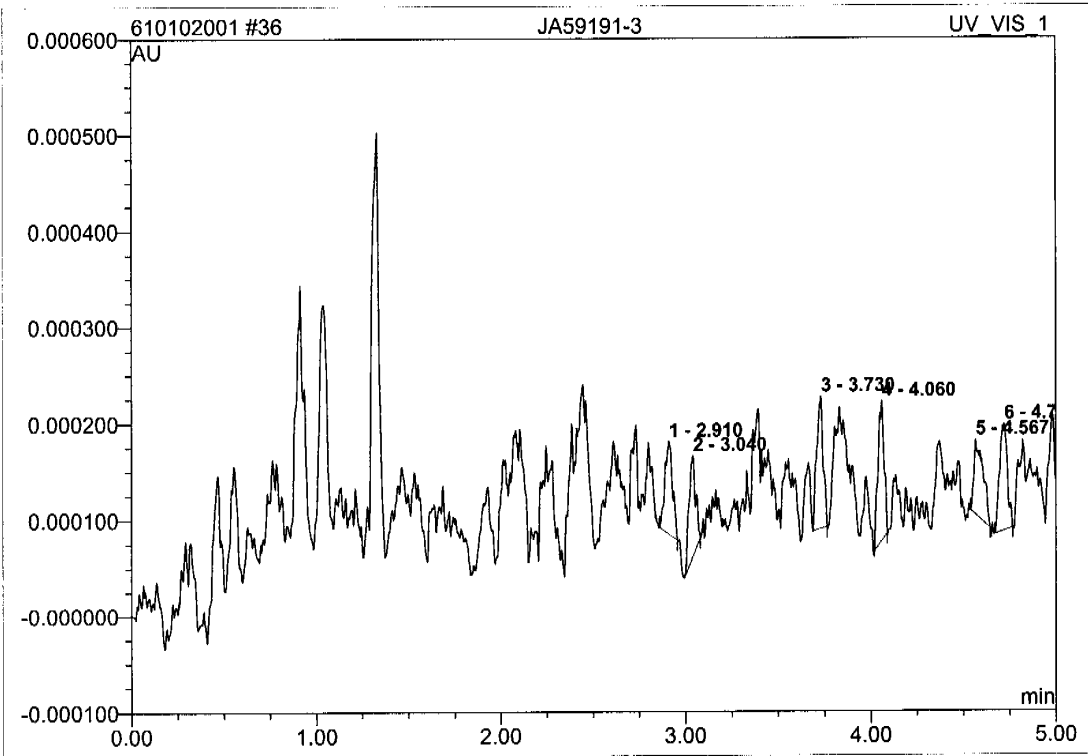
<b>35 JA59191-3</b>			
Sample Name:	JA59191-3	Injection Volume:	25.0
Vial Number:	31	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 12:00	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.87	n.a.	0.000	0.000	53.36	n.a.	BMB
2	3.53	Cr-6	0.000	0.000	46.64	-0.0012	BMB
<b>Total:</b>			0.000	0.000	100.00	-0.001	

7.1  
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<b>36 JA59191-3</b>			
Sample Name:	JA59191-3	Injection Volume:	25.0
Vial Number:	32	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 12:08	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000

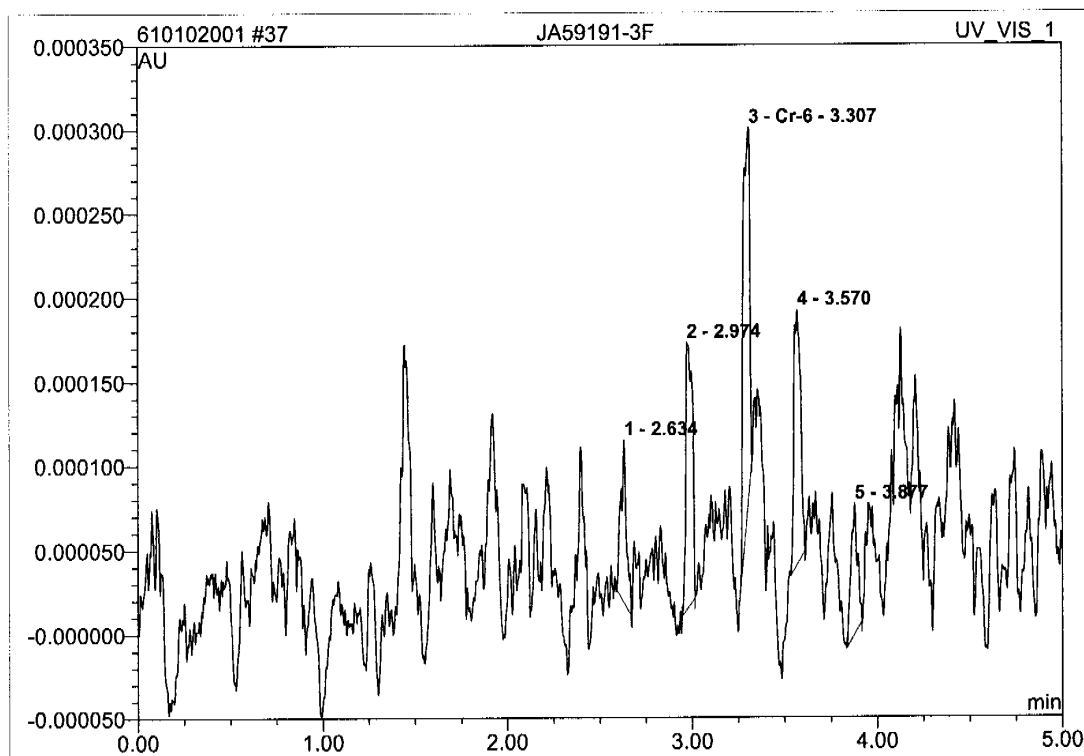


No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.91	n.a.	0.000	0.000	15.33	n.a.	BMB
2	3.04	n.a.	0.000	0.000	15.05	n.a.	BMB
3	3.73	n.a.	0.000	0.000	18.18	n.a.	BMB
4	4.06	n.a.	0.000	0.000	18.28	n.a.	BMB
5	4.57	n.a.	0.000	0.000	15.12	n.a.	BMB
6	4.72	n.a.	0.000	0.000	18.04	n.a.	BMB
<b>Total:</b>			0.001	0.000	100.00	0.000	

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
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<b>37 JA59191-3F</b>			
Sample Name:	JA59191-3F	Injection Volume:	25.0
Vial Number:	33	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 12:16	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000

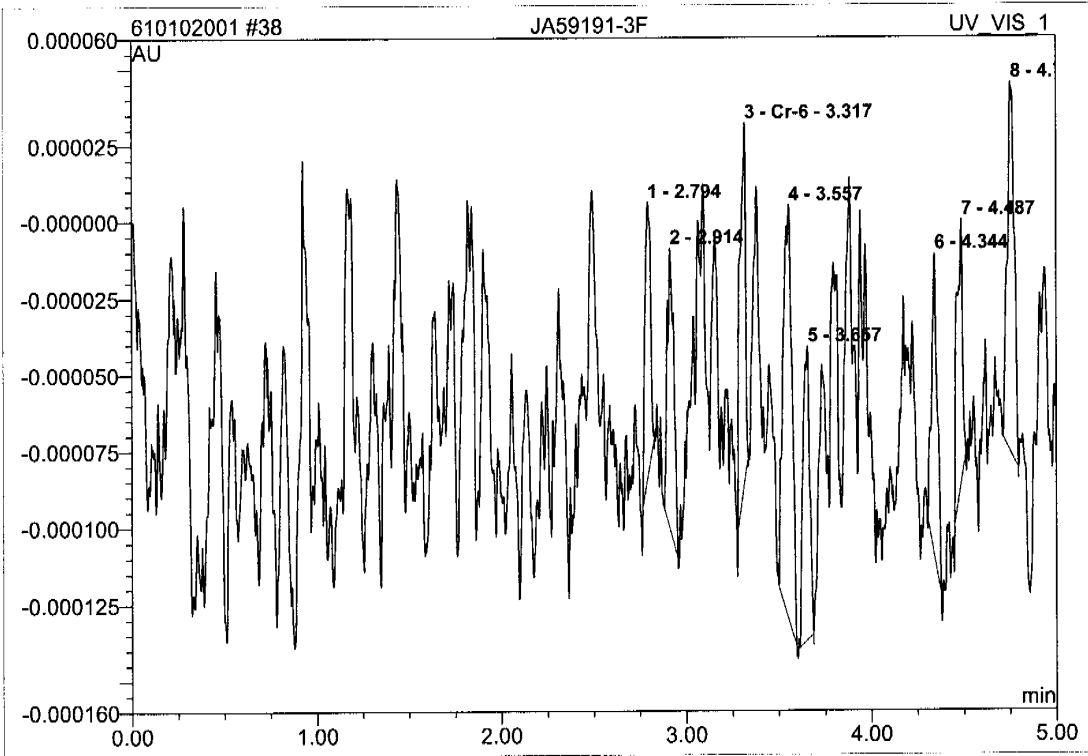


No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.63	n.a.	0.000	0.000	11.87	n.a.	BMB
2	2.97	n.a.	0.000	0.000	22.55	n.a.	BMB
3	3.31	Cr-6	0.000	0.000	32.05	-0.0006	BMB
4	3.57	n.a.	0.000	0.000	22.35	n.a.	BMB
5	3.88	n.a.	0.000	0.000	11.19	n.a.	BMB
<b>Total:</b>			0.001	0.000	100.00	-0.001	

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
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<b>38 JA59191-3F</b>			
Sample Name:	JA59191-3F	Injection Volume:	25.0
Vial Number:	34	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 12:23	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000

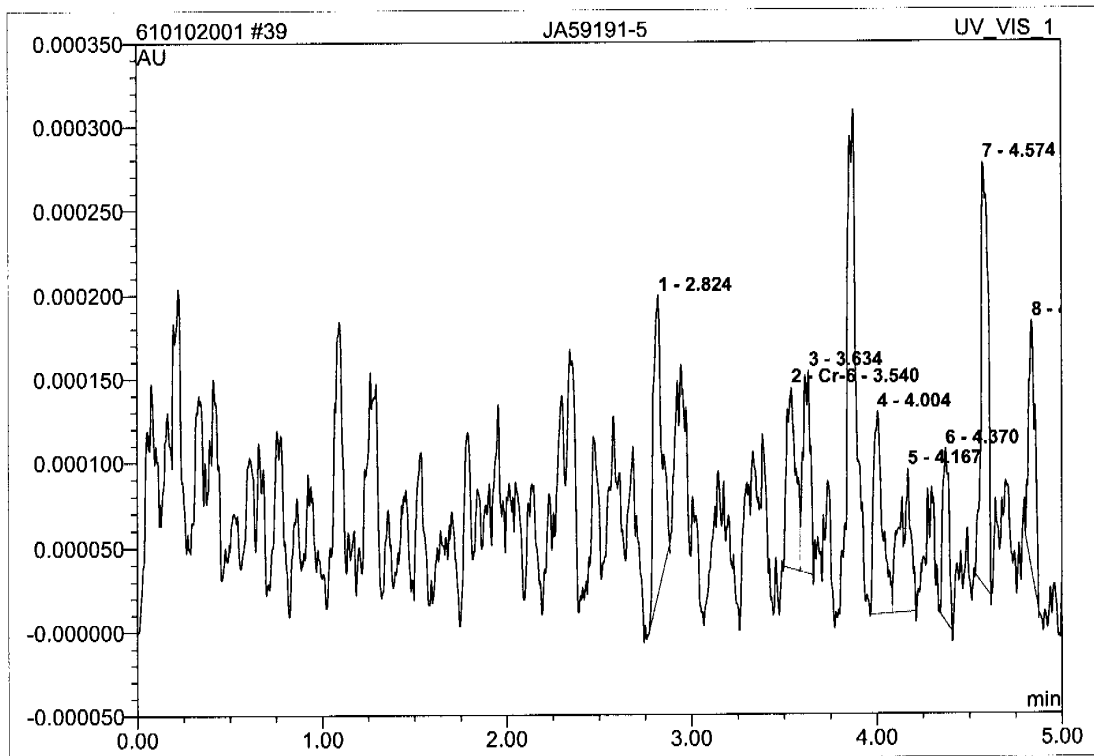


No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.79	n.a.	0.000	0.000	9.26	n.a.	BMB
2	2.91	n.a.	0.000	0.000	10.91	n.a.	BMB
3	3.32	Cr-6	0.000	0.000	11.89	-0.0012	BMB
4	3.56	n.a.	0.000	0.000	21.68	n.a.	BMB
5	3.66	n.a.	0.000	0.000	11.66	n.a.	BMB
6	4.34	n.a.	0.000	0.000	10.20	n.a.	BMB
7	4.49	n.a.	0.000	0.000	8.91	n.a.	BMB
8	4.75	n.a.	0.000	0.000	15.48	n.a.	BMB
<b>Total:</b>			0.001	0.000	100.00	-0.001	

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
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<b>39 JA59191-5</b>			
Sample Name:	JA59191-5	Injection Volume:	25.0
Vial Number:	35	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 12:31	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000

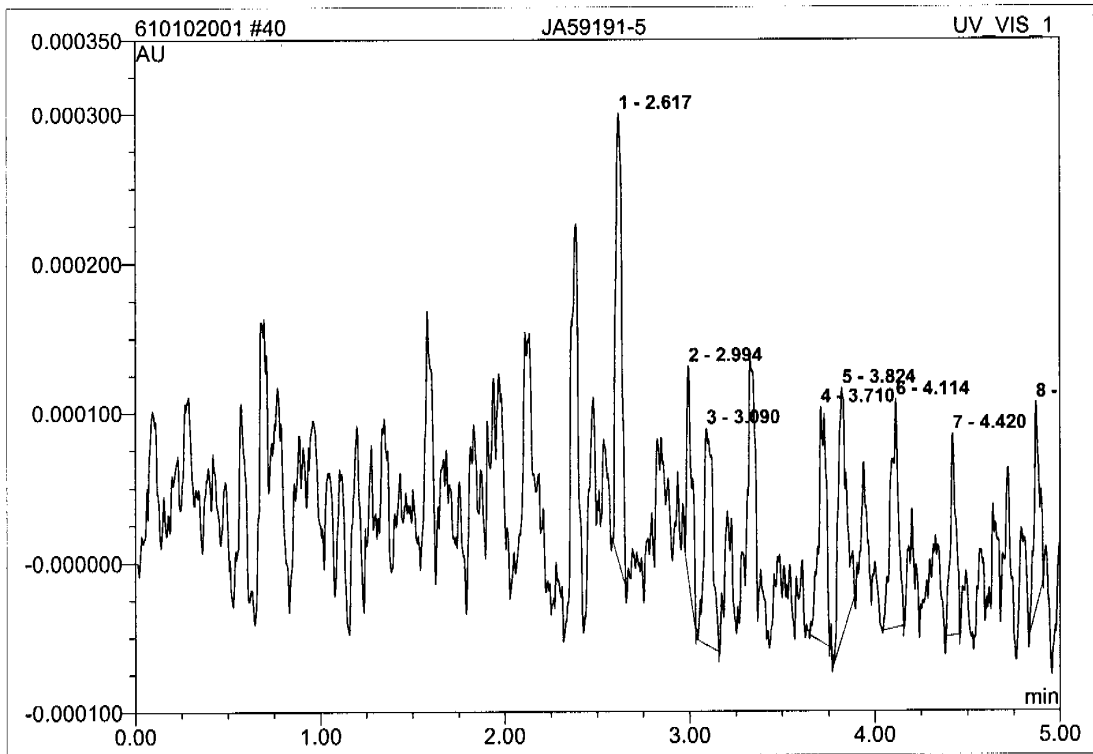


No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.82	n.a.	0.000	0.000	17.34	n.a.	BMB
2	3.54	Cr-6	0.000	0.000	11.25	-0.0009	BM
3	3.63	n.a.	0.000	0.000	9.76	n.a.	MB
4	4.00	n.a.	0.000	0.000	12.53	n.a.	BM
5	4.17	n.a.	0.000	0.000	10.94	n.a.	MB
6	4.37	n.a.	0.000	0.000	7.14	n.a.	BMB
7	4.57	n.a.	0.000	0.000	20.04	n.a.	BMB
8	4.84	n.a.	0.000	0.000	11.00	n.a.	BMB
<b>Total:</b>			0.001	0.000	100.00	-0.001	

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
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<b>40 JA59191-5</b>			
Sample Name:	JA59191-5	Injection Volume:	25.0
Vial Number:	36	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 12:39	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000

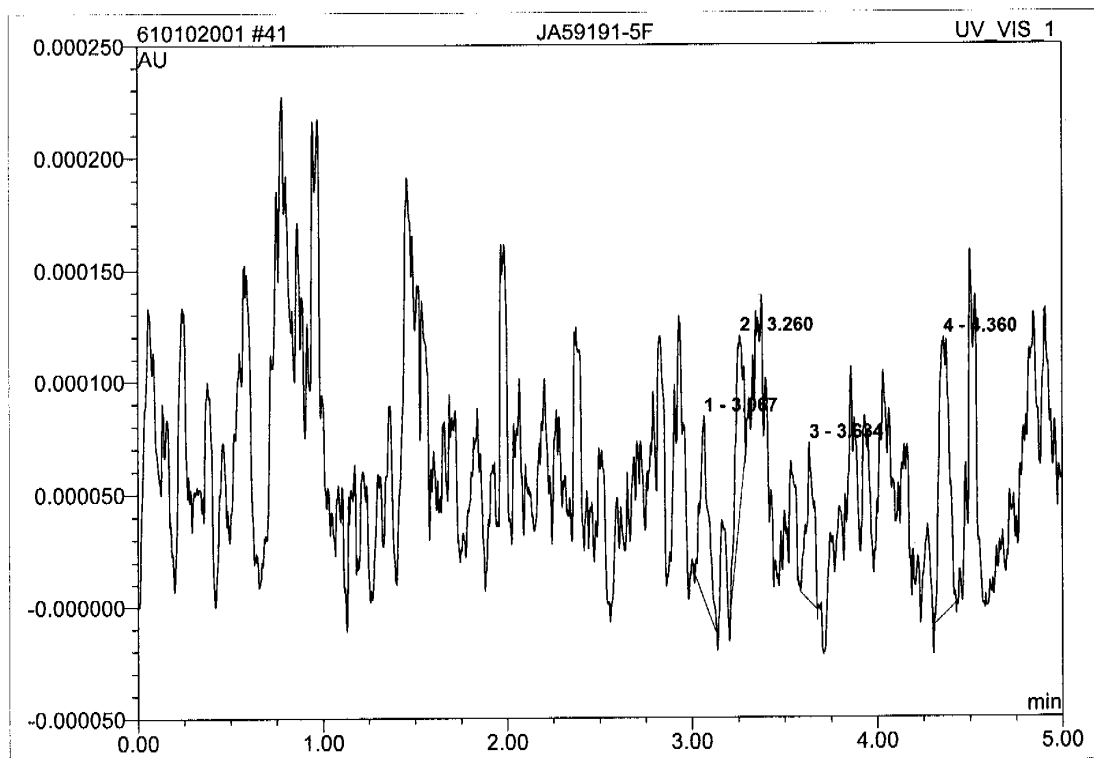


No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.62	n.a.	0.000	0.000	20.42	n.a.	BMB
2	2.99	n.a.	0.000	0.000	7.96	n.a.	BMB
3	3.09	n.a.	0.000	0.000	13.60	n.a.	BMB
4	3.71	n.a.	0.000	0.000	13.27	n.a.	BMB
5	3.82	n.a.	0.000	0.000	14.88	n.a.	BMB
6	4.11	n.a.	0.000	0.000	13.01	n.a.	BMB
7	4.42	n.a.	0.000	0.000	8.40	n.a.	BMB
8	4.87	n.a.	0.000	0.000	8.47	n.a.	BMB
<b>Total:</b>			0.001	0.000	100.00	0.000	

hexachrome/Integration

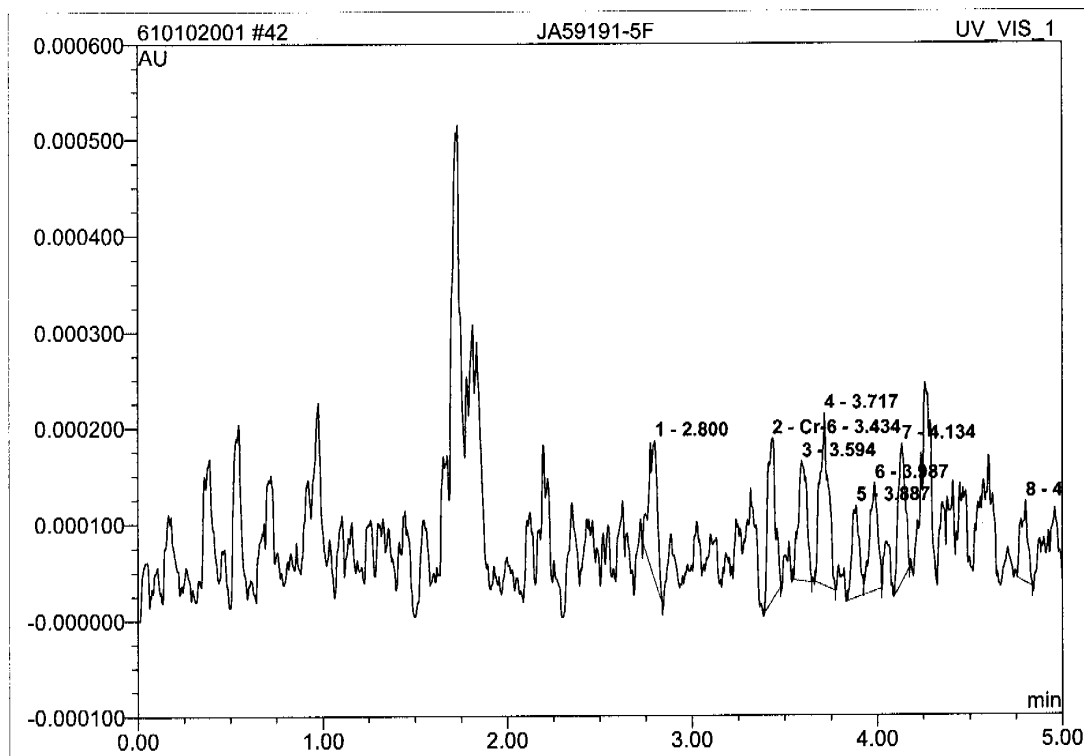
Chromeleon (c) Dionex 1996-2001  
Version 6.80 SR10 Build 2818 (166959)

<b>41 JA59191-5F</b>			
Sample Name:	JA59191-5F	Injection Volume:	25.0
Vial Number:	37	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 12:47	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	3.07	n.a.	0.000	0.000	21.50	n.a.	BMB
2	3.26	n.a.	0.000	0.000	20.54	n.a.	BMB
3	3.63	n.a.	0.000	0.000	16.91	n.a.	BMB
4	4.36	n.a.	0.000	0.000	41.05	n.a.	BMB
<b>Total:</b>			0.000	0.000	100.00	0.000	

<b>42 JA59191-5F</b>			
Sample Name:	JA59191-5F	Injection Volume:	25.0
Vial Number:	38	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 12:55	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.80	n.a.	0.000	0.000	14.60	n.a.	BMB
2	3.43	Cr-6	0.000	0.000	16.04	-0.0007	BMB
3	3.59	n.a.	0.000	0.000	12.64	n.a.	BMB
4	3.72	n.a.	0.000	0.000	17.97	n.a.	BMB
5	3.89	n.a.	0.000	0.000	8.60	n.a.	BM
6	3.99	n.a.	0.000	0.000	10.94	n.a.	MB
7	4.13	n.a.	0.000	0.000	12.32	n.a.	BMB
8	4.80	n.a.	0.000	0.000	6.89	n.a.	BMB
<b>Total:</b>			0.001	0.000	100.00	-0.001	

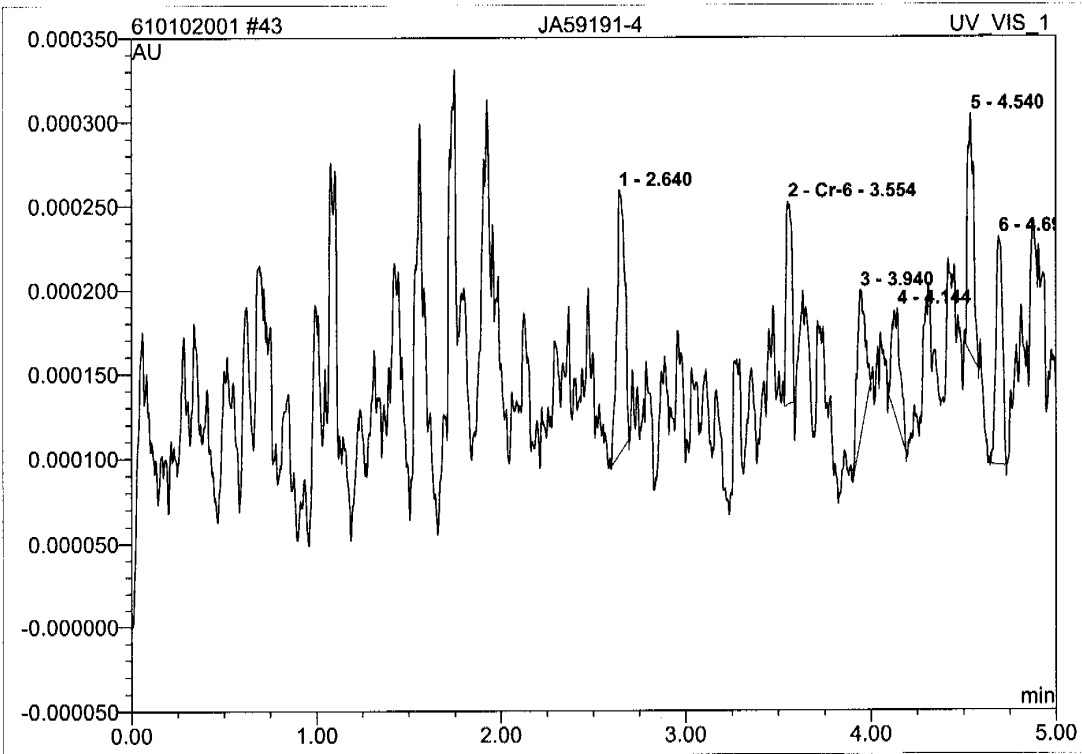
hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
Version 6.80 SR10 Build 2818 (166959)

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<b>43 JA59191-4</b>			
Sample Name:	JA59191-4	Injection Volume:	25.0
Vial Number:	39	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 13:03	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000

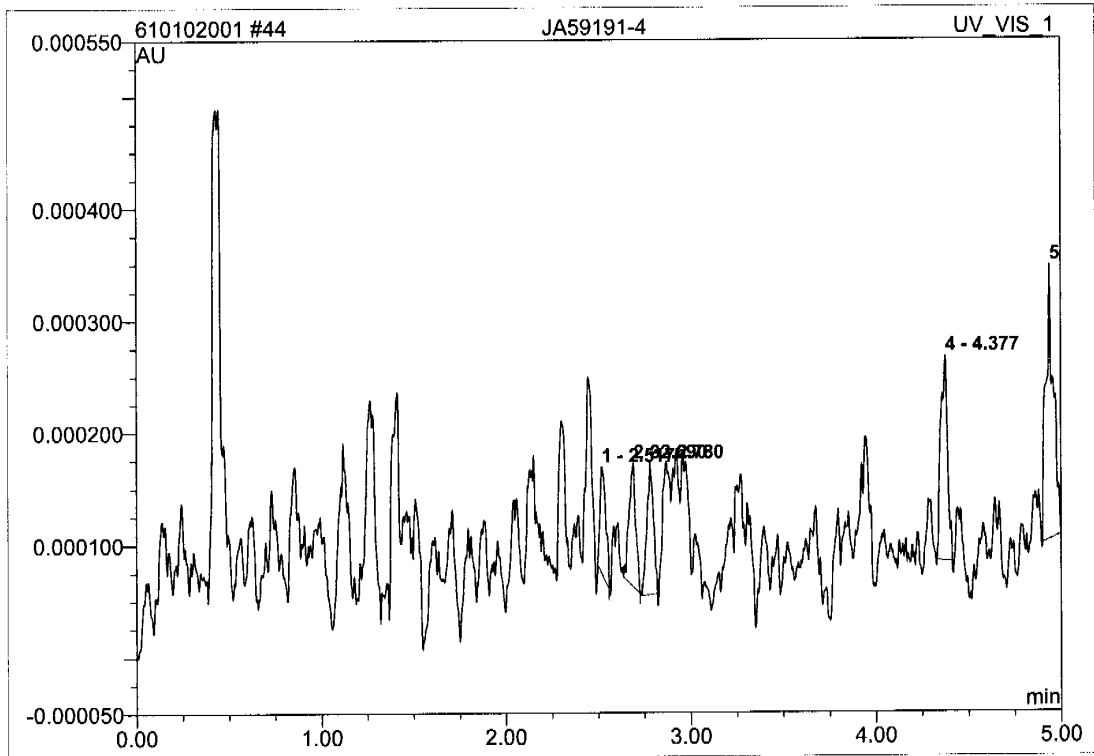


No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.64	n.a.	0.000	0.000	24.62	n.a.	BMB
2	3.55	Cr-6	0.000	0.000	14.68	-0.0011	BMB
3	3.94	n.a.	0.000	0.000	14.11	n.a.	BMB
4	4.14	n.a.	0.000	0.000	10.95	n.a.	BMB
5	4.54	n.a.	0.000	0.000	17.71	n.a.	BMB
6	4.69	n.a.	0.000	0.000	17.93	n.a.	BMB
<b>Total:</b>			0.001	0.000	100.00	-0.001	

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
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<b>44 JA59191-4</b>			
Sample Name:	JA59191-4	Injection Volume:	25.0
Vial Number:	40	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 13:11	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000

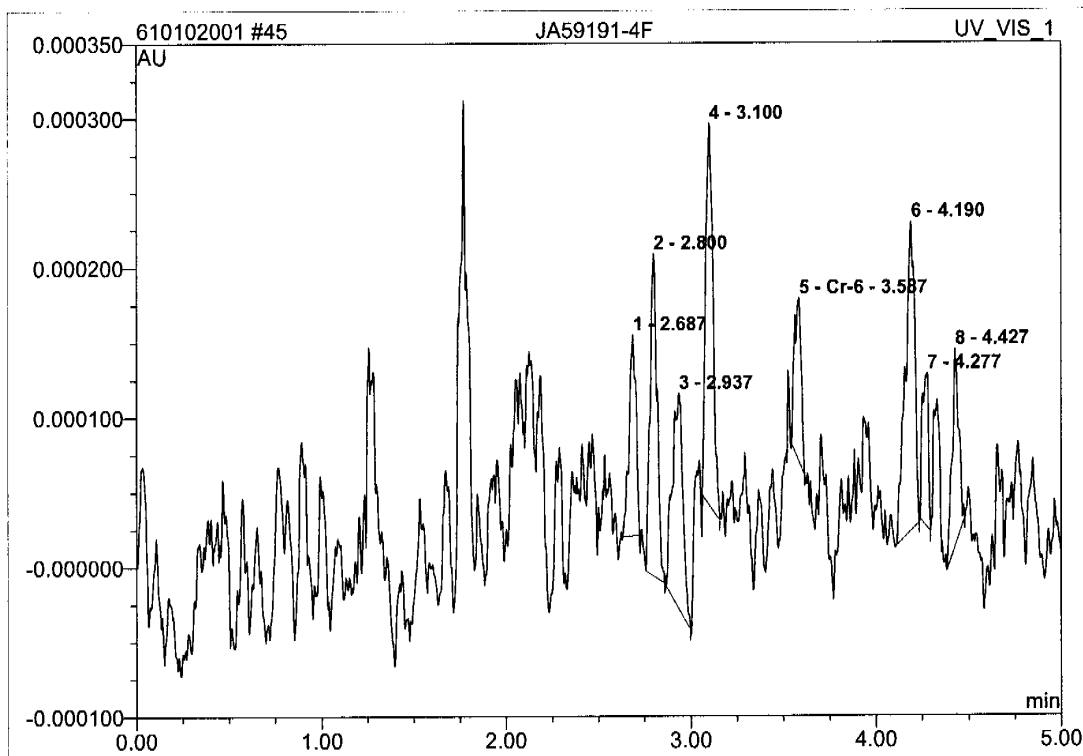


No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.52	n.a.	0.000	0.000	10.81	n.a.	BMB
2	2.69	n.a.	0.000	0.000	14.24	n.a.	BMB
3	2.78	n.a.	0.000	0.000	14.76	n.a.	BMB
4	4.38	n.a.	0.000	0.000	23.74	n.a.	BMB
5	4.94	n.a.	0.000	0.000	36.45	n.a.	BMB
<b>Total:</b>			0.001	0.000	100.00	0.000	

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
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<b>45 JA59191-4F</b>			
Sample Name:	JA59191-4F	Injection Volume:	25.0
Vial Number:	41	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 13:19	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000

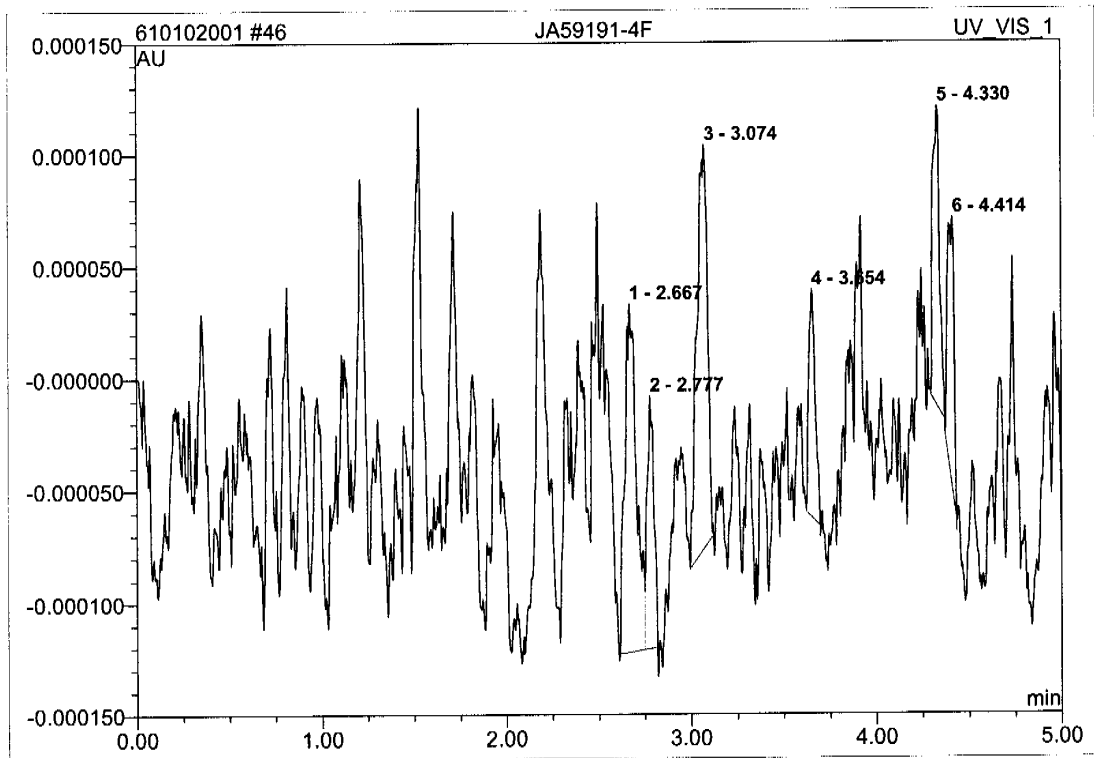


No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.69	n.a.	0.000	0.000	9.40	n.a.	BMB
2	2.80	n.a.	0.000	0.000	15.14	n.a.	BMB
3	2.94	n.a.	0.000	0.000	15.23	n.a.	BMB
4	3.10	n.a.	0.000	0.000	18.22	n.a.	BMB
5	3.59	Cr-6	0.000	0.000	7.27	-0.0011	BMB
6	4.19	n.a.	0.000	0.000	19.77	n.a.	BMB
7	4.28	n.a.	0.000	0.000	6.14	n.a.	BMB
8	4.43	n.a.	0.000	0.000	8.83	n.a.	BMB
<b>Total:</b>			0.001	0.000	100.00	-0.001	

hexachrome/Integration

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<b>46 JA59191-4F</b>			
Sample Name:	JA59191-4F	Injection Volume:	25.0
Vial Number:	42	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 13:27	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000

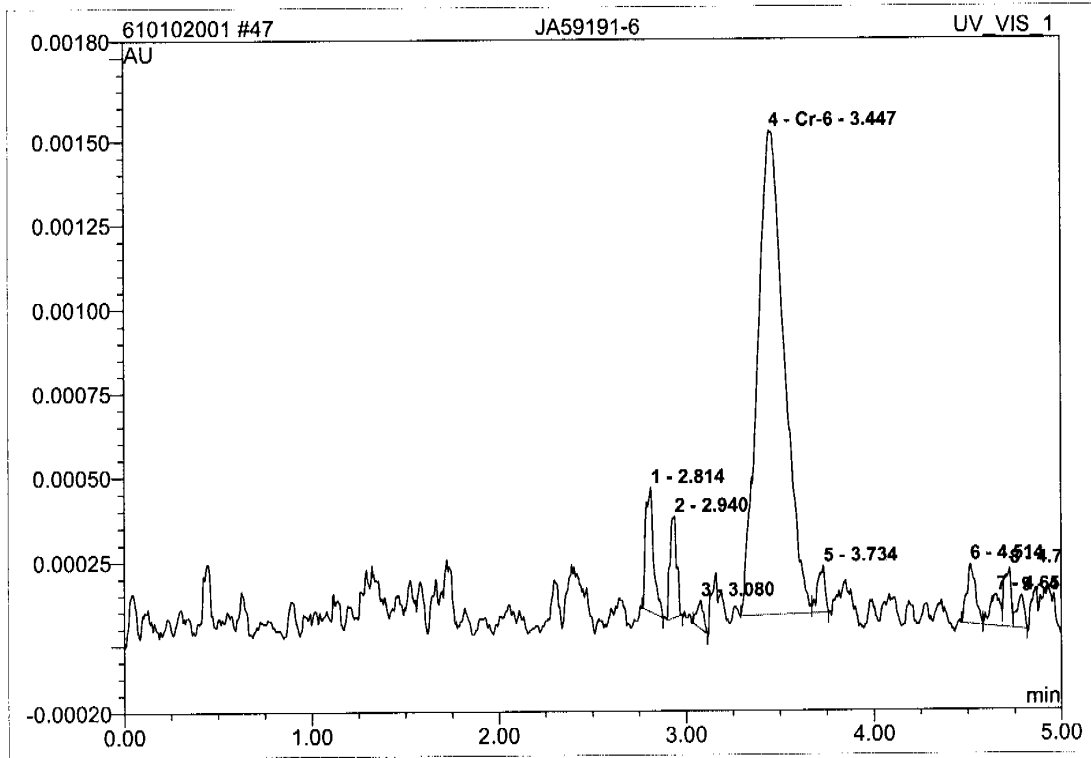


No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.67	n.a.	0.000	0.000	26.85	n.a.	BM
2	2.78	n.a.	0.000	0.000	11.05	n.a.	MB
3	3.07	n.a.	0.000	0.000	27.74	n.a.	BMB
4	3.65	n.a.	0.000	0.000	9.68	n.a.	BMB
5	4.33	n.a.	0.000	0.000	13.50	n.a.	BMB
6	4.41	n.a.	0.000	0.000	11.18	n.a.	BMB
<b>Total:</b>			0.001	0.000	100.00	0.000	

hexachrome/Integration

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<b>47 JA59191-6</b>			
Sample Name:	JA59191-6	Injection Volume:	25.0
Vial Number:	43	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 13:35	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000

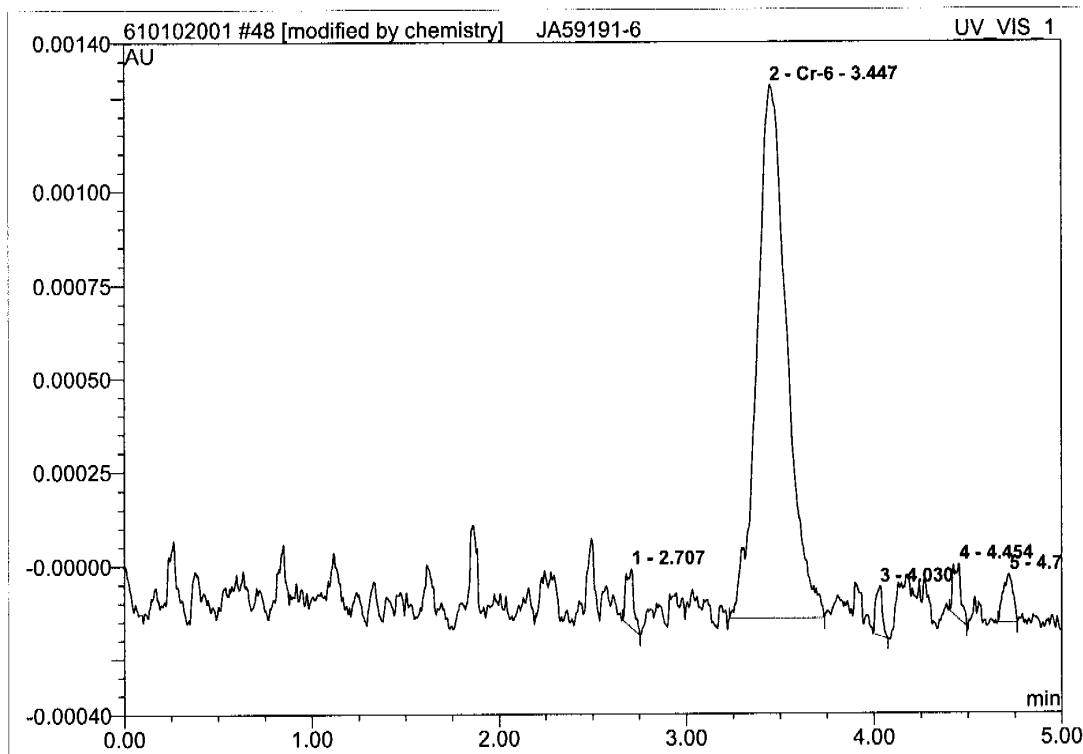


No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.81	n.a.	0.000	0.000	5.90	n.a.	BMB
2	2.94	n.a.	0.000	0.000	4.16	n.a.	BMB
3	3.08	n.a.	0.000	0.000	1.10	n.a.	BMB
4	3.45	Cr-6	0.001	0.000	77.86	0.0254	BM
5	3.73	n.a.	0.000	0.000	2.06	n.a.	MB
6	4.51	n.a.	0.000	0.000	3.17	n.a.	BM
7	4.65	n.a.	0.000	0.000	1.90	n.a.	M
8	4.72	n.a.	0.000	0.000	2.37	n.a.	M
9	4.79	n.a.	0.000	0.000	1.46	n.a.	MB
<b>Total:</b>			0.003	0.000	100.00	0.025	

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<b>48 JA59191-6</b>			
Sample Name:	JA59191-6	Injection Volume:	25.0
Vial Number:	44	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 13:43	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000

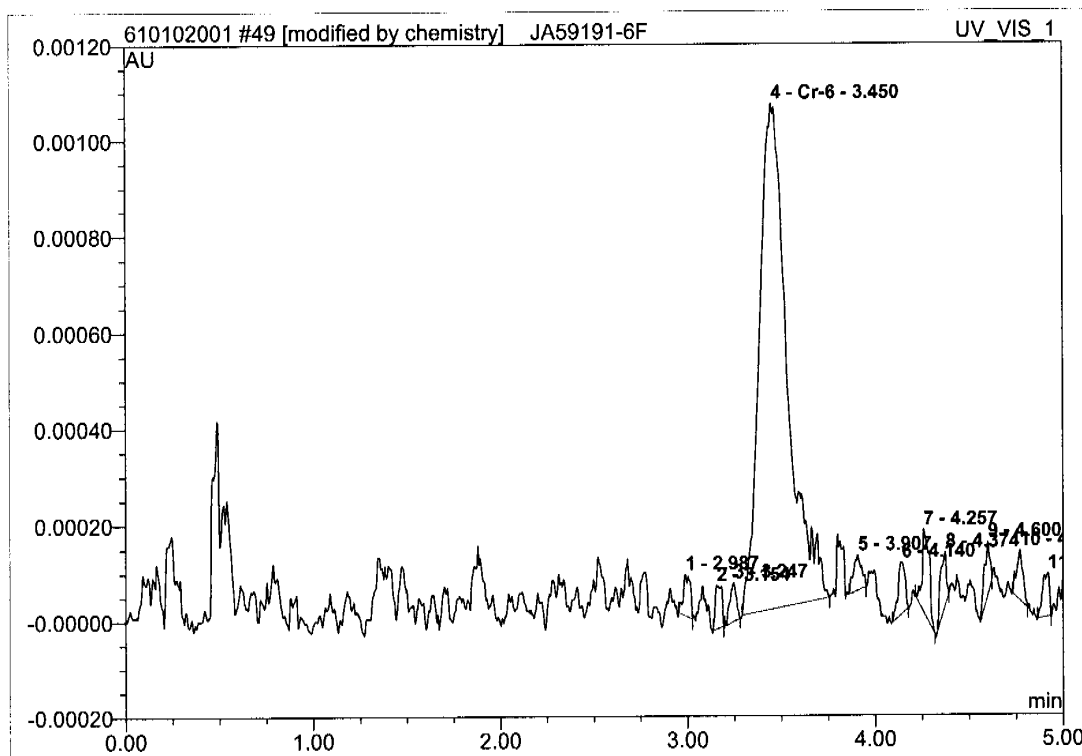


No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.71	n.a.	0.000	0.000	2.55	n.a.	BMB
2	3.45	Cr-6	0.001	0.000	90.51	0.0282	BMB*
3	4.03	n.a.	0.000	0.000	1.83	n.a.	BMB
4	4.45	n.a.	0.000	0.000	2.37	n.a.	BMB
5	4.72	n.a.	0.000	0.000	2.75	n.a.	BMB
<b>Total:</b>			0.002	0.000	100.00	0.028	

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
Version 6.80 SR10 Build 2818 (166959)

<b>49 JA59191-6F</b>			
Sample Name:	JA59191-6F	Injection Volume:	25.0
Vial Number:	45	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 13:50	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.99	n.a.	0.000	0.000	1.69	n.a.	BMB
2	3.15	n.a.	0.000	0.000	1.66	n.a.	BMB
3	3.25	n.a.	0.000	0.000	1.45	n.a.	BMB
4	3.45	Cr-6	0.001	0.000	80.76	0.0190	BMB*
5	3.91	n.a.	0.000	0.000	1.67	n.a.	BMB
6	4.14	n.a.	0.000	0.000	2.09	n.a.	BMB
7	4.26	n.a.	0.000	0.000	3.47	n.a.	BMB
8	4.37	n.a.	0.000	0.000	1.94	n.a.	BMB
9	4.60	n.a.	0.000	0.000	1.69	n.a.	BMB
10	4.77	n.a.	0.000	0.000	1.81	n.a.	BMB
11	4.92	n.a.	0.000	0.000	1.77	n.a.	BMB

hexachrome/Integration

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Total:	0.002	0.000	100.00	0.019
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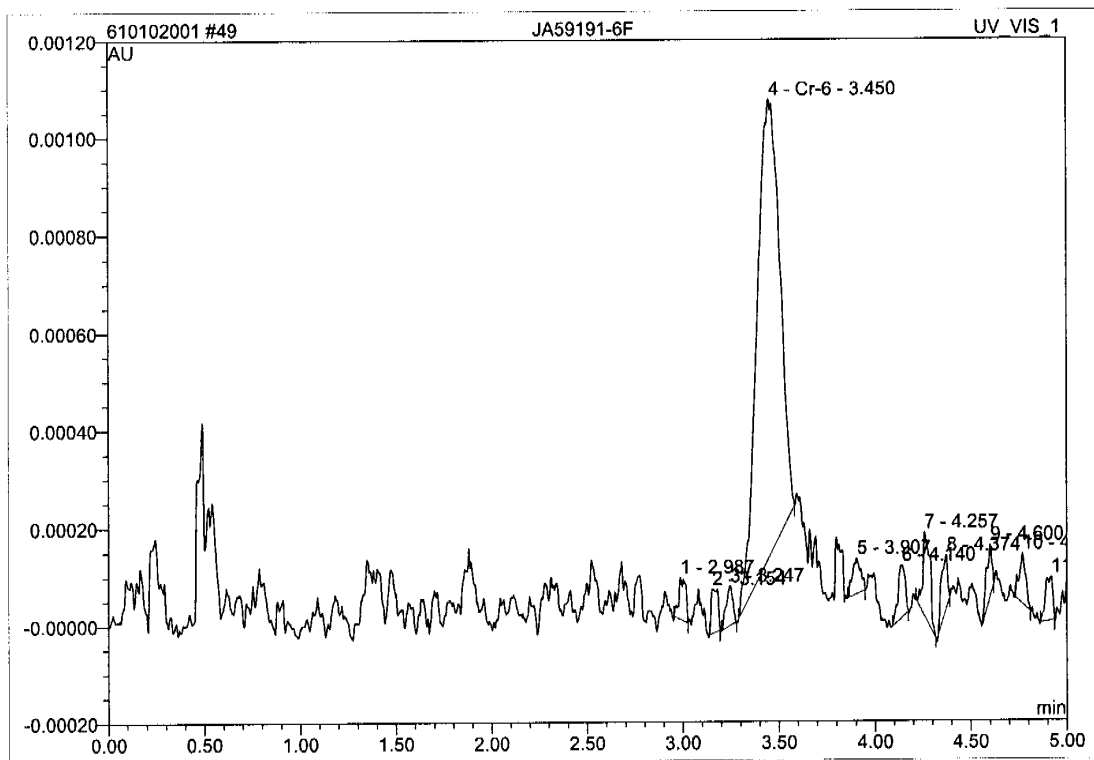
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hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
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<b>49 JA59191-6F</b>			
Sample Name:	JA59191-6F	Injection Volume:	25.0
Vial Number:	45	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 13:50	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.99	n.a.	0.000	0.000	2.18	n.a.	BMB
2	3.15	n.a.	0.000	0.000	2.15	n.a.	BMB
3	3.25	n.a.	0.000	0.000	1.88	n.a.	BMB
4	3.45	Cr-6	0.001	0.000	75.12	0.0132	BMB
5	3.91	n.a.	0.000	0.000	2.16	n.a.	BMB
6	4.14	n.a.	0.000	0.000	2.70	n.a.	BMB
7	4.26	n.a.	0.000	0.000	4.49	n.a.	BMB
8	4.37	n.a.	0.000	0.000	2.51	n.a.	BMB
9	4.60	n.a.	0.000	0.000	2.18	n.a.	BMB
10	4.77	n.a.	0.000	0.000	2.34	n.a.	BMB
11	4.92	n.a.	0.000	0.000	2.29	n.a.	BMB

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
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*POB BD 10/20/2010*

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Total:	0.002	0.000	100.00	0.013
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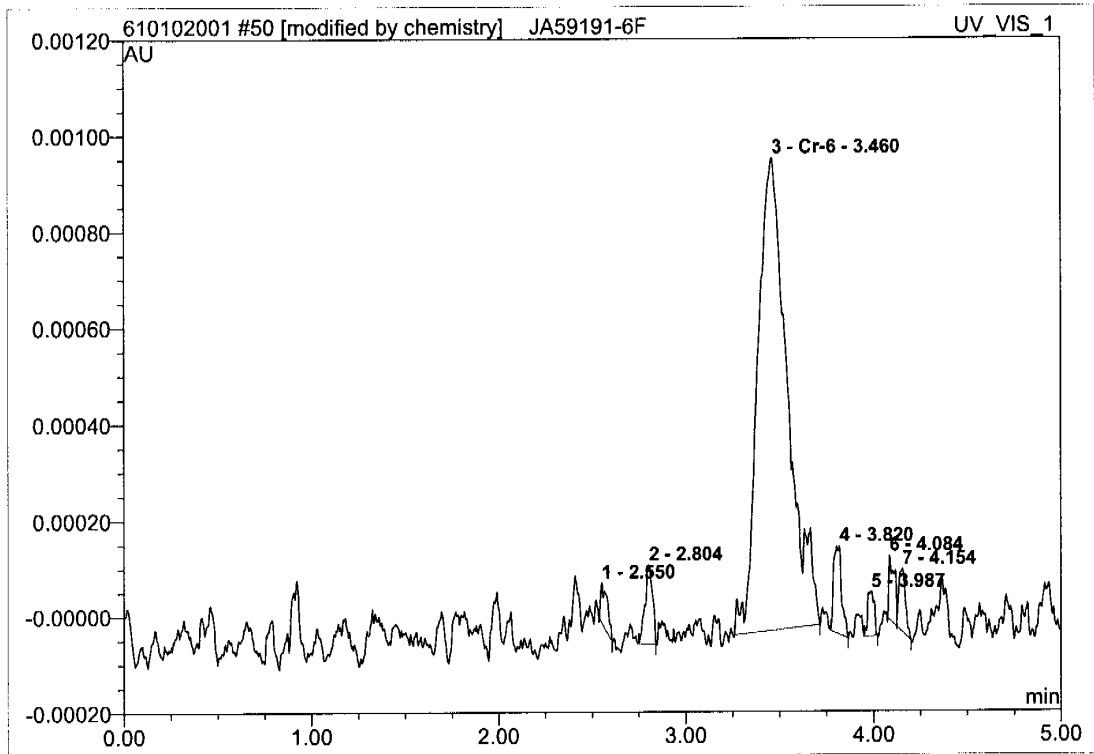
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hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
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<b>50 JA59191-6F</b>			
Sample Name:	JA59191-6F	Injection Volume:	25.0
Vial Number:	46	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 13:58	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000

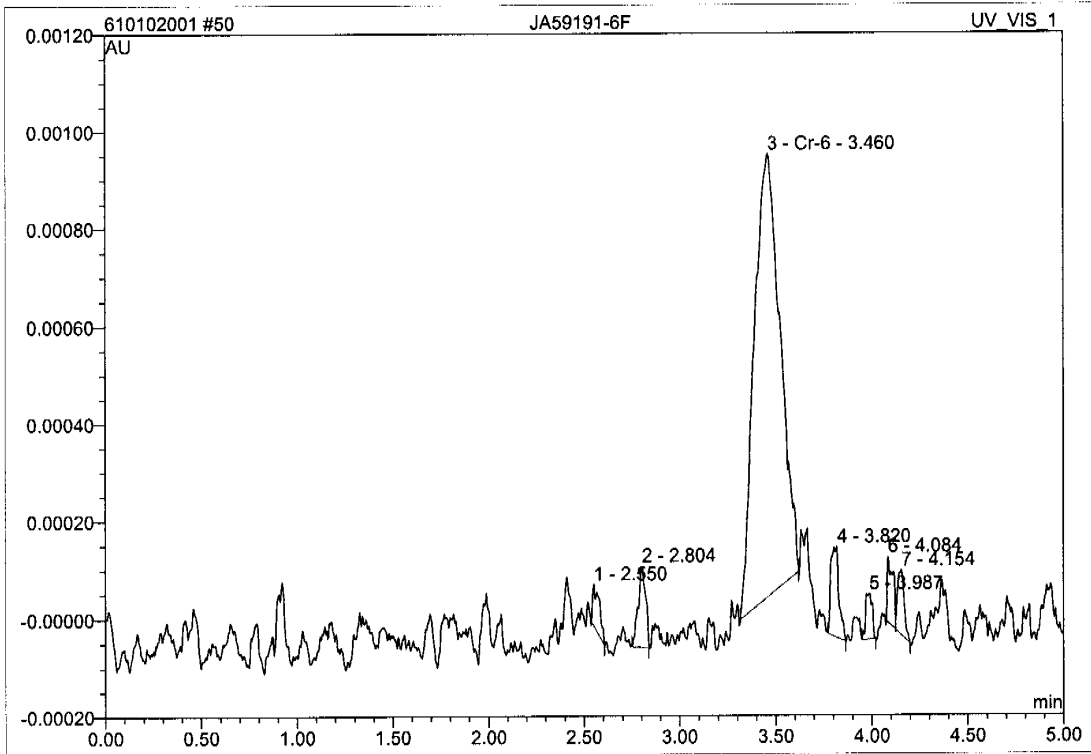


No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.55	n.a.	0.000	0.000	1.69	n.a.	BMB
2	2.80	n.a.	0.000	0.000	3.52	n.a.	BMB
3	3.46	Cr-6	0.001	0.000	84.18	0.0190	BMB*
4	3.82	n.a.	0.000	0.000	4.21	n.a.	BMB
5	3.99	n.a.	0.000	0.000	1.75	n.a.	BMB
6	4.08	n.a.	0.000	0.000	2.20	n.a.	BM
7	4.15	n.a.	0.000	0.000	2.45	n.a.	MB
<b>Total:</b>			0.002	0.000	100.00	0.019	

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
Version 6.80 SR10 Build 2818 (166959)

<b>50 JA59191-6F</b>			
Sample Name:	JA59191-6F	Injection Volume:	25.0
Vial Number:	46	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 13:58	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



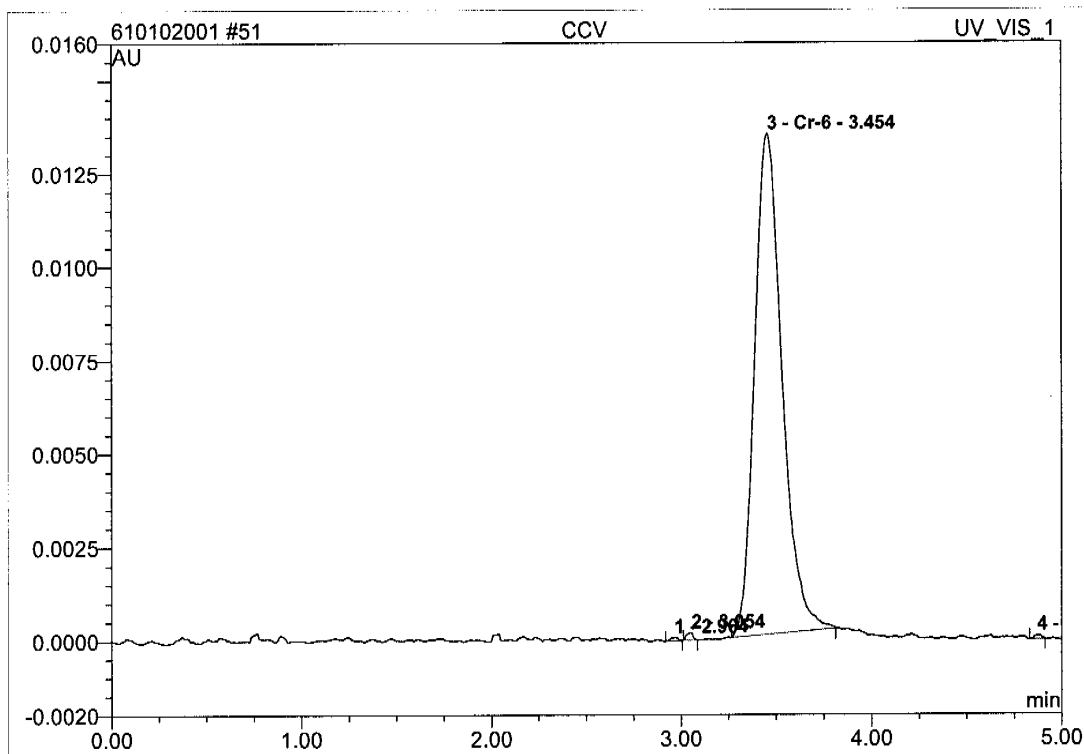
No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.55	n.a.	0.000	0.000	2.06	n.a.	BMB
2	2.80	n.a.	0.000	0.000	4.28	n.a.	BMB
3	3.46	Cr-6	0.001	0.000	80.76	0.0146	BMB
4	3.82	n.a.	0.000	0.000	5.12	n.a.	BMB
5	3.99	n.a.	0.000	0.000	2.13	n.a.	BMB
6	4.08	n.a.	0.000	0.000	2.67	n.a.	BM
7	4.15	n.a.	0.000	0.000	2.98	n.a.	MB
<b>Total:</b>			0.002	0.000	100.00	0.015	

WIT BD 10/20/2010

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
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<b>51 CCV</b>			
Sample Name:	<b>CCV</b>	Injection Volume:	<b>25.0</b>
Vial Number:	<b>49</b>	Channel:	<b>UV_VIS_1</b>
Sample Type:	<b>unknown</b>	Wavelength:	<b>n.a.</b>
Control Program:	<b>hexachrome_ASDV</b>	Bandwidth:	<b>n.a.</b>
Quantif. Method:	<b>hexachrome</b>	Dilution Factor:	<b>1.0000</b>
Recording Time:	<b>10/20/2010 14:06</b>	Sample Weight:	<b>1.0000</b>
Run Time (min):	<b>5.00</b>	Sample Amount:	<b>1.0000</b>



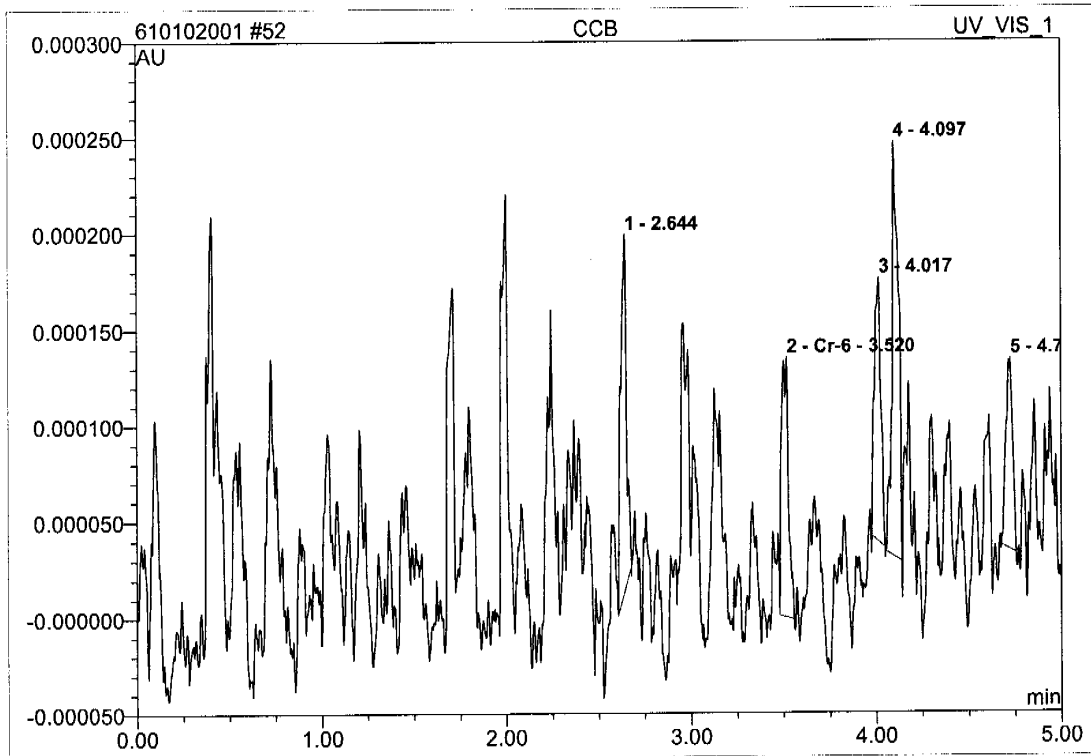
No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.96	n.a.	0.000	0.000	0.19	n.a.	BMB
2	3.05	n.a.	0.000	0.000	0.34	n.a.	BMB
3	3.45	Cr-6	0.013	0.002	99.25	0.2540	BMB
4	4.87	n.a.	0.000	0.000	0.22	n.a.	BMB
<b>Total:</b>			0.014	0.002	100.00	0.254	

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
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<b>52 CCB</b>			
Sample Name:	CCB	Injection Volume:	25.0
Vial Number:	50	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 14:14	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000

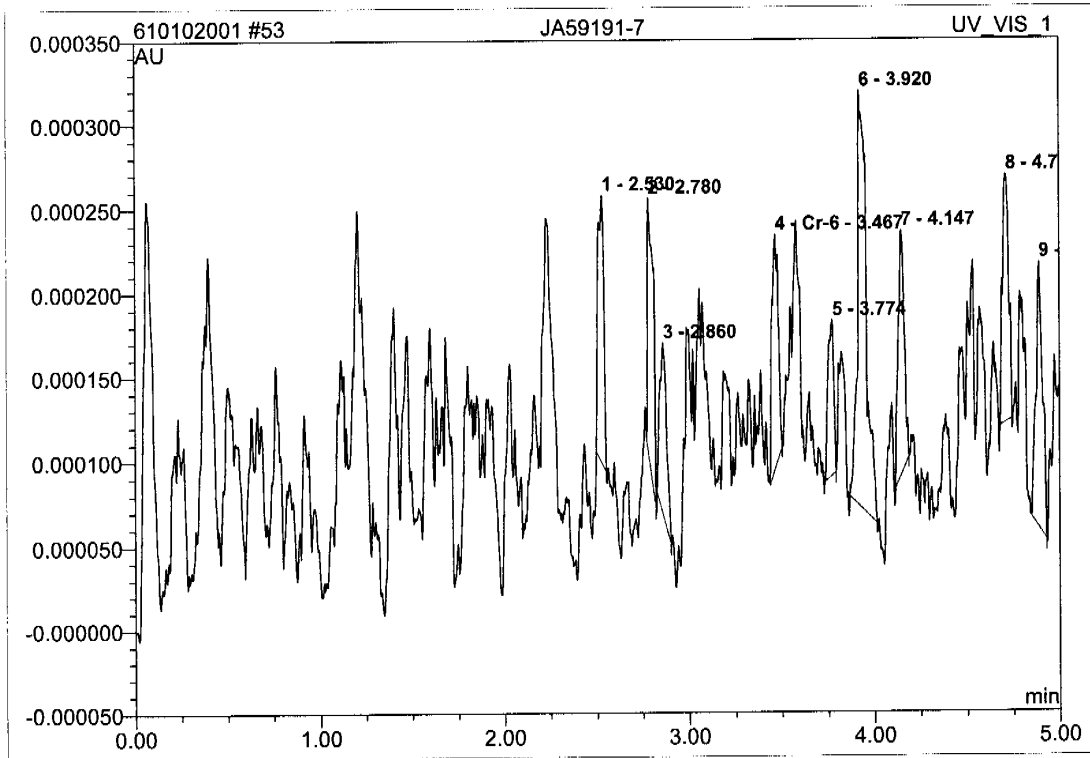


No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.64	n.a.	0.000	0.000	21.89	n.a.	BMB
2	3.52	Cr-6	0.000	0.000	18.52	-0.0010	BMB
3	4.02	n.a.	0.000	0.000	17.97	n.a.	BMB
4	4.10	n.a.	0.000	0.000	28.02	n.a.	BMB
5	4.73	n.a.	0.000	0.000	13.59	n.a.	BMB
<b>Total:</b>			0.001	0.000	100.00	-0.001	

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
Version 6.80 SR10 Build 2818 (166959)

<b>53 JA59191-7</b>			
Sample Name:	JA59191-7	Injection Volume:	25.0
Vial Number:	47	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 14:22	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000

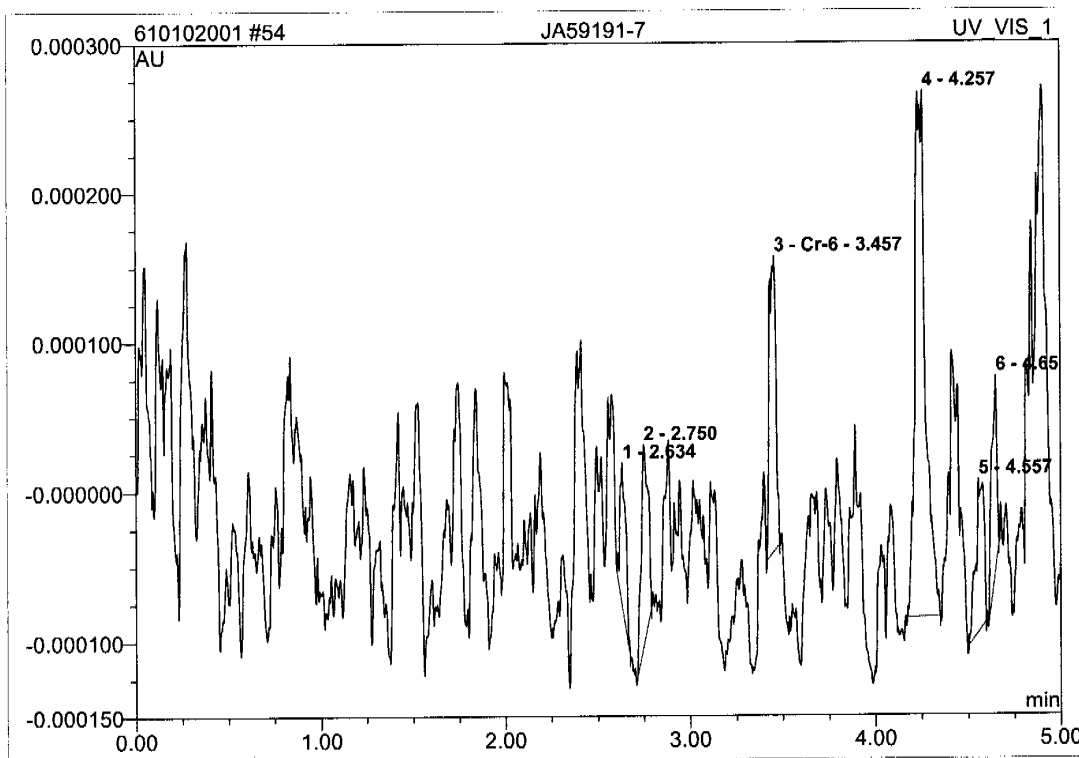


No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.53	n.a.	0.000	0.000	10.49	n.a.	BMB
2	2.78	n.a.	0.000	0.000	10.25	n.a.	BMB
3	2.86	n.a.	0.000	0.000	7.43	n.a.	BMB
4	3.47	Cr-6	0.000	0.000	10.07	-0.0010	BMB
5	3.77	n.a.	0.000	0.000	5.98	n.a.	BMB
6	3.92	n.a.	0.000	0.000	24.47	n.a.	BMB
7	4.15	n.a.	0.000	0.000	9.62	n.a.	BMB
8	4.71	n.a.	0.000	0.000	10.50	n.a.	BMB
9	4.89	n.a.	0.000	0.000	11.19	n.a.	BMB
<b>Total:</b>			0.001	0.000	100.00	-0.001	

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
Version 6.80 SR10 Build 2818 (166959)

<b>54 JA59191-7</b>			
Sample Name:	JA59191-7	Injection Volume:	25.0
Vial Number:	48	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 14:30	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



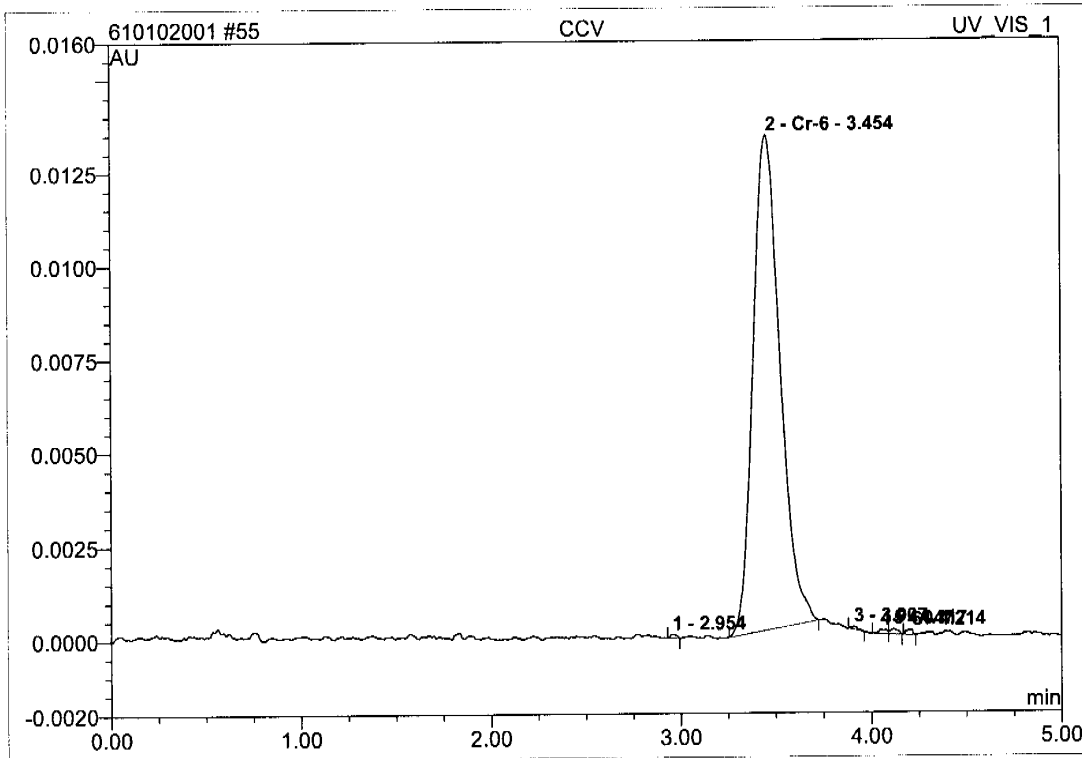
No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.63	n.a.	0.000	0.000	6.91	n.a.	BMB
2	2.75	n.a.	0.000	0.000	11.41	n.a.	BMB
3	3.46	Cr-6	0.000	0.000	16.71	-0.0007	BMB
4	4.26	n.a.	0.000	0.000	45.88	n.a.	BMB
5	4.56	n.a.	0.000	0.000	10.24	n.a.	BMB
6	4.65	n.a.	0.000	0.000	8.85	n.a.	BMB
<b>Total:</b>			0.001	0.000	100.00	-0.001	

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
Version 6.80 SR10 Build 2818 (166959)



<b>55 CCV</b>			
Sample Name:	CCV	Injection Volume:	25.0
Vial Number:	5	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	10/20/2010 14:38	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000

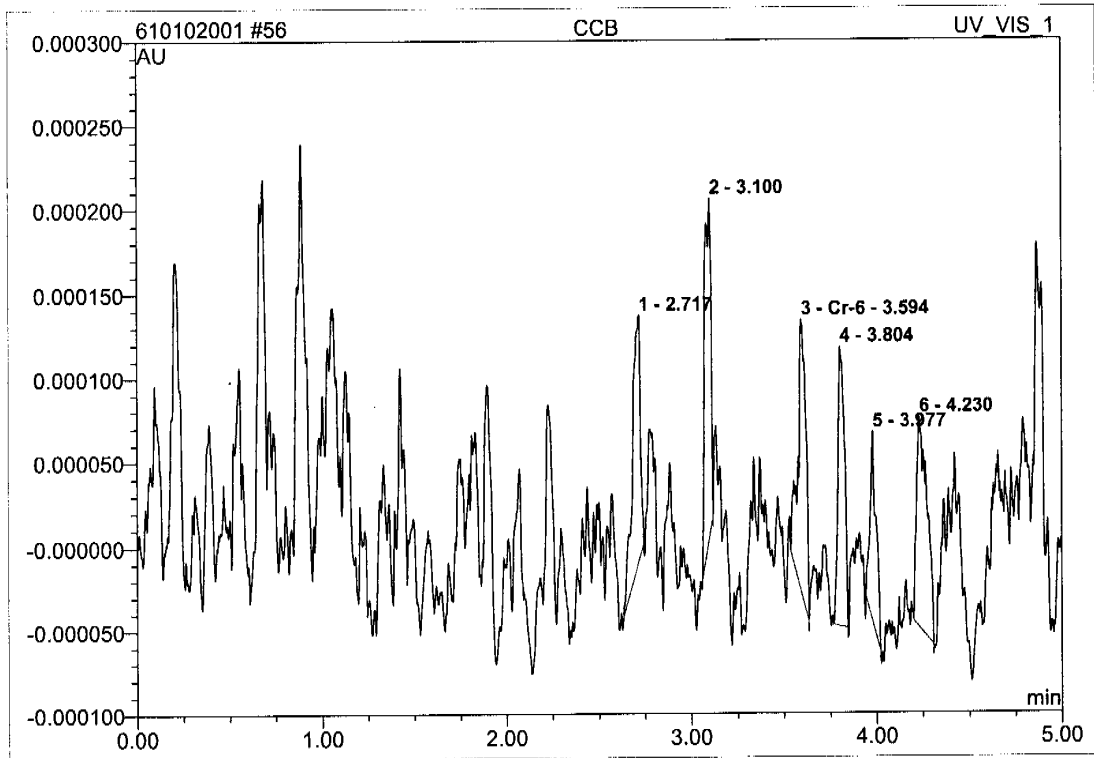


No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.95	n.a.	0.000	0.000	0.18	n.a.	BMB
2	3.45	Cr-6	0.013	0.002	98.85	0.2474	BMB
3	3.91	n.a.	0.000	0.000	0.16	n.a.	BMB
4	4.05	n.a.	0.000	0.000	0.27	n.a.	BM
5	4.12	n.a.	0.000	0.000	0.30	n.a.	MB
6	4.21	n.a.	0.000	0.000	0.24	n.a.	BMB
<b>Total:</b>			0.014	0.002	100.00	0.247	

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
Version 6.80 SR10 Build 2818 (166959)

<b>56 CCB</b>			
Sample Name:	<b>CCB</b>	Injection Volume:	<b>25.0</b>
Vial Number:	<b>6</b>	Channel:	<b>UV_VIS_1</b>
Sample Type:	<b>unknown</b>	Wavelength:	<b>n.a.</b>
Control Program:	<b>hexachrome_ASDV</b>	Bandwidth:	<b>n.a.</b>
Quantif. Method:	<b>hexachrome</b>	Dilution Factor:	<b>1.0000</b>
Recording Time:	<b>10/20/2010 14:46</b>	Sample Weight:	<b>1.0000</b>
Run Time (min):	<b>5.00</b>	Sample Amount:	<b>1.0000</b>



No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.72	n.a.	0.000	0.000	17.85	n.a.	BMB
2	3.10	n.a.	0.000	0.000	18.26	n.a.	BMB
3	3.59	Cr-6	0.000	0.000	18.78	-0.0007	BMB
4	3.80	n.a.	0.000	0.000	15.80	n.a.	BMB
5	3.98	n.a.	0.000	0.000	10.12	n.a.	BMB
6	4.23	n.a.	0.000	0.000	19.20	n.a.	BMB
<b>Total:</b>			0.001	0.000	100.00	-0.001	

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
Version 6.80 SR10 Build 2818 (166959)

**Groundwater Samples Collected April 2011 (117-MW-A014)**

Technical Report for

Honeywell International Inc.

HLANJPR: SA-5 Site 117, Jersey City, NJ

Accutest Job Number: JA74100

Sampling Date: 04/26/11

Report to:

Mactec


vhlieu@mactec.com

ATTN: Vanthuy Lieu

Total number of pages in report: **277**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.



David N. Speis  
VP, Laboratory Director

Client Service contact: Marty Vitanza 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, PA, RI, SC, TN, VA, WV

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Test results relate only to samples analyzed.

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## Sample Summary

Honeywell International Inc.

Job No: JA74100

HLANJPR: SA-5 Site 117, Jersey City, NJ

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
JA74100-1	04/26/11	11:47 BS	04/26/11	AQ	Ground Water	117-MW-A14-042611
JA74100-1F	04/26/11	11:47 BS	04/26/11	AQ	Groundwater Filtered	117-MW-A14-042611F
JA74100-2	04/26/11	12:20 BS	04/26/11	AQ	Field Blank Water	117-FB-042611

## CASE NARRATIVE / CONFORMANCE SUMMARY

**Client:** Honeywell International Inc.

**Job No** JA74100

**Site:** HLANJPR: SA-5 Site 117, Jersey City, NJ

**Report Date** 5/13/2011 3:11:23 PM

On 04/26/2011, 2 Sample(s), 0 Trip Blank(s) and 1 Field Blank(s) were received at Accutest Laboratories at a temperature of 4.6 C. Samples were intact and properly preserved, unless noted below. An Accutest Job Number of JA74100 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

### Metals By Method EPA 200.8

**Matrix:** AQ

**Batch ID:** MP58073

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA74100-1MS, JA74100-1MSD were used as the QC samples for metals.

### Wet Chemistry By Method SW846 7199

**Matrix:** AQ

**Batch ID:** GP58488

- All samples were prepared within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA74098-1DUP, JA74098-1MS were used as the QC samples for Chromium, Hexavalent.
- Matrix Spike Recovery(s) for Chromium, Hexavalent are outside control limits. Spike recovery indicates possible matrix interference.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover



Sample Results

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Report of Analysis

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## Report of Analysis

3.1  
3

<b>Client Sample ID:</b> 117-MW-A14-042611	<b>Date Sampled:</b> 04/26/11
<b>Lab Sample ID:</b> JA74100-1	<b>Date Received:</b> 04/26/11
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Project:</b> HLANJPR: SA-5 Site 117, Jersey City, NJ	

### Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Chromium	43.7	4.0	ug/l	1	05/07/11	05/07/11 ND	EPA 200.8 <sup>1</sup>	EPA 200.8 <sup>2</sup>

(1) Instrument QC Batch: MA26325

(2) Prep QC Batch: MP58073

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RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b> 117-MW-A14-042611	<b>Date Sampled:</b> 04/26/11
<b>Lab Sample ID:</b> JA74100-1	<b>Date Received:</b> 04/26/11
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Project:</b> HLANJPR: SA-5 Site 117, Jersey City, NJ	

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	0.040	0.0055	mg/l	1	04/26/11 21:14	AE	SW846 7199

RL = Reporting Limit

## Report of Analysis

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3

<b>Client Sample ID:</b> 117-MW-A14-042611F <b>Lab Sample ID:</b> JA74100-1F <b>Matrix:</b> AQ - Groundwater Filtered <b>Project:</b> HLANJPR: SA-5 Site 117, Jersey City, NJ	<b>Date Sampled:</b> 04/26/11 <b>Date Received:</b> 04/26/11 <b>Percent Solids:</b> n/a
--	---

### Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Chromium	43.6	4.0	ug/l	1	05/07/11	05/07/11 ND	EPA 200.8 <sup>1</sup>	EPA 200.8 <sup>2</sup>

(1) Instrument QC Batch: MA26325

(2) Prep QC Batch: MP58073

---

RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b>	117-MW-A14-042611F	<b>Date Sampled:</b>	04/26/11
<b>Lab Sample ID:</b>	JA74100-1F	<b>Date Received:</b>	04/26/11
<b>Matrix:</b>	AQ - Groundwater Filtered	<b>Percent Solids:</b>	n/a
<b>Project:</b>	HLANJPR: SA-5 Site 117, Jersey City, NJ		

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	0.044	0.0055	mg/l	1	04/26/11 21:22	AE	SW846 7199

RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b>	117-FB-042611	<b>Date Sampled:</b>	04/26/11
<b>Lab Sample ID:</b>	JA74100-2	<b>Date Received:</b>	04/26/11
<b>Matrix:</b>	AQ - Field Blank Water	<b>Percent Solids:</b>	n/a
<b>Project:</b>	HLANJPR: SA-5 Site 117, Jersey City, NJ		

### Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Chromium	< 4.0	4.0	ug/l	1	05/07/11	05/07/11 ND	EPA 200.8 <sup>1</sup>	EPA 200.8 <sup>2</sup>

(1) Instrument QC Batch: MA26325

(2) Prep QC Batch: MP58073

---

RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b> 117-FB-042611	<b>Date Sampled:</b> 04/26/11
<b>Lab Sample ID:</b> JA74100-2	<b>Date Received:</b> 04/26/11
<b>Matrix:</b> AQ - Field Blank Water	<b>Percent Solids:</b> n/a
<b>Project:</b> HLANJPR: SA-5 Site 117, Jersey City, NJ	

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.0055	0.0055	mg/l	1	04/26/11 21:54	AE	SW846 7199

RL = Reporting Limit

## Misc. Forms

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### Custody Documents and Other Forms

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Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

JA74100 E

ACCUTEST				Honeywell Chain Of Custody / Analysis Request										AESI Ref: 38439, 43925	
Fresh Ponds Corporate Village, Building B 2235 Route 130, Davton, New Jersey 08810 732-329-0200 Phone, 732-329-3499 Fax				Privileged & Confidential		Y		Site Name: HUDSONCO						COC #: 37287-042611	
Client Contact: (name, co., address) Andrew Shust - MACTEC Engineering and Consulting, Inc 200 American Metro Blvd., Suite 113 Hamilton, NJ 08619 agshust@mactec.com				EDD To: Agsbust (MACTEC)		Sampler: B.Senna		Location of Site: SA5, Site 117						Lab Use Only	
Hardcopy Report To: See above				P O #		Analysis Turnaround Time:		Preservative						PAGE 1 of 1	
Invoice To: Maria Kaouris - Honeywell PM 101 Columbia Rd, Morristown, NJ 07962				Standard -		Rush Charges Authorized for -		0 0 0 2						Job No.	
				2 weeks -		1 week -		Chrom/Composite						What is in the Text File? Mouse over here.	
				Next Day -				Fluor Filtered Sample 2						Written and maintained by AESI (Ver 3.7) 02-01-05 (08/09/01/2001)	
Sample Identification				Sample Date	Sample Time	Sample Type	Sample Matrix	Sample Purpose	# of Cont.	Units	ug/L	ug/L	ug/L	ug/L	Lab Sample Numbers
Location ID	Start Depth (ft)	End Depth (ft)	Field Sample ID												
1	117-MW-A14	-1	F	117-MW-A14-042611	4/26/2011	1147	GW	Water	REG	2	grab	N		X	X
2	117-MW-A14			117-MW-A14-042611F	4/26/2011	1147	GW	Water	REG	2	grab	Y	X	X	
3	117-QC	-2		117-FB-042611	4/26/2011	1220	BlkWater	Water	FB	2	grab	N		X	X
4															
5															
6															
7															
8															
9															
10															
11															
12															
<p>ALL SAMPLES RECEIVED ANALYZED AS APPLICABLE</p> <p>TTO 4/26/11</p>															
TOTAL CHROME ANALYZED BY METHOD 200.8, HEX BY 7199															
Relinquished by		Company		MACTEC		Received by		4/26/11 1500		Company		Condition		Custody Seals Intact	
						Tao Miller						3/6/2009 12:30		Cooler Temp. 4.6°C	
Relinquished by		Company				Received by				Company		Condition		Custody Seals Intact	

ANET 10  
ME38

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# Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JA74100

Client:

Immediate Client Services Action Required: No

Date / Time Received: 4/26/2011

Delivery Method:

Client Service Action Required at Login: No

Project:

No. Coolers: 1

Airbill #'s:

<u>Cooler Security</u>	<u>Y</u>	<u>or</u>	<u>N</u>		<u>Y</u>	<u>or</u>	<u>N</u>
1. Custody Seals Present:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	3. COC Present:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. Custody Seals Intact:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	4. SmpI Dates/Time OK	<input checked="" type="checkbox"/>		<input type="checkbox"/>

<u>Cooler Temperature</u>	<u>Y</u>	<u>or</u>	<u>N</u>
1. Temp criteria achieved:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. Cooler temp verification:			Infrared gun
3. Cooler media:			Ice (bag)

<u>Quality Control Preservatio</u>	<u>Y</u>	<u>or</u>	<u>N</u>	<u>N/A</u>
1. Trip Blank present / cooler:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Trip Blank listed on COC:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Samples preserved property:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
4. VOCs headspace free:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

<u>Sample Integrity - Documentation</u>	<u>Y</u>	<u>or</u>	<u>N</u>
1. Sample labels present on bottles:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. Container labeling complete:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
3. Sample container label / COC agree:	<input checked="" type="checkbox"/>		<input type="checkbox"/>

<u>Sample Integrity - Condition</u>	<u>Y</u>	<u>or</u>	<u>N</u>
1. Sample recvd within HT:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. All containers accounted for:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
3. Condition of sample:			Intact

<u>Sample Integrity - Instructions</u>	<u>Y</u>	<u>or</u>	<u>N</u>	<u>N/A</u>
1. Analysis requested is clear:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
2. Bottles received for unspecified tests	<input type="checkbox"/>		<input checked="" type="checkbox"/>	
3. Sufficient volume recvd for analysis:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
4. Compositing instructions clear:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. Filtering instructions clear:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Comments

4.1  
4

### Internal Sample Tracking Chronicle

Honeywell International Inc.

Job No: JA74100

HLANJPR: SA-5 Site 117, Jersey City, NJ

4.2  
4

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JA74100-1 Collected: 26-APR-11 11:47 By: BS Received: 26-APR-11 By: 117-MW-A14-042611						
JA74100-1	SW846 7199	26-APR-11 21:14	AE	26-APR-11 AE		XCR7199
JA74100-1	EPA 200.8	07-MAY-11 22:30	ND	07-MAY-11 DP		CRMS
JA74100-2 Collected: 26-APR-11 12:20 By: BS Received: 26-APR-11 By: 117-FB-042611						
JA74100-2	SW846 7199	26-APR-11 21:54	AE	26-APR-11 AE		XCR7199
JA74100-2	EPA 200.8	07-MAY-11 22:34	ND	07-MAY-11 DP		CRMS
JA74100-1F Collected: 26-APR-11 11:47 By: BS Received: 26-APR-11 By: 117-MW-A14-042611F						
JA74100-1F	SW846 7199	26-APR-11 21:22	AE	26-APR-11 AE		XCR7199
JA74100-1F	EPA 200.8	07-MAY-11 22:39	ND	07-MAY-11 DP		CRMS

# Accutest Internal Chain of Custody

**Job Number:** JA74100  
**Account:** HWINJM Honeywell International Inc.  
**Project:** HLANJPR: SA-5 Site 117, Jersey City, NJ  
**Received:** 04/26/11

4.3  
4

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA74100-1.1	Secured Storage	Darshanaben Patel	05/07/11 08:57	Retrieve from Storage
JA74100-1.1	Darshanaben Patel	Secured Storage	05/07/11 12:28	Return to Storage
JA74100-1.1.1	Darshanaben Patel	Metals Digestion	05/07/11 09:11	Digestate from JA74100-1.1
JA74100-1.1.1	Metals Digestion	Darshanaben Patel	05/07/11 09:12	Digestate from JA74100-1.1
JA74100-1.1.1	Darshanaben Patel	Metals Digestate Storage	05/07/11 09:12	Return to Storage
JA74100-1.3	Secured Storage	Airam Ejat	04/26/11 17:02	Retrieve from Storage
JA74100-1.3	Airam Ejat	Secured Storage	04/26/11 17:02	Return to Storage
JA74100-1.3	Secured Storage	Adam Scott	04/27/11 07:49	Retrieve from Storage
JA74100-1.3	Adam Scott	Airam Ejat	04/27/11 07:54	Custody Transfer
JA74100-1.3	Airam Ejat	Secured Storage	04/27/11 17:18	Return to Storage
JA74100-1F.2	Secured Storage	Darshanaben Patel	05/07/11 08:57	Retrieve from Storage
JA74100-1F.2	Darshanaben Patel	Secured Storage	05/07/11 12:28	Return to Storage
JA74100-1F.2.1	Darshanaben Patel	Metals Digestion	05/07/11 09:11	Digestate from JA74100-1F.2
JA74100-1F.2.1	Metals Digestion	Darshanaben Patel	05/07/11 09:12	Digestate from JA74100-1F.2
JA74100-1F.2.1	Darshanaben Patel	Metals Digestate Storage	05/07/11 09:12	Return to Storage
JA74100-1F.4	Secured Storage	Airam Ejat	04/26/11 17:02	Retrieve from Storage
JA74100-1F.4	Airam Ejat	Secured Storage	04/26/11 17:02	Return to Storage
JA74100-1F.4	Secured Storage	Adam Scott	04/27/11 07:49	Retrieve from Storage
JA74100-1F.4	Adam Scott	Airam Ejat	04/27/11 07:54	Custody Transfer
JA74100-1F.4	Airam Ejat	Secured Storage	04/27/11 17:18	Return to Storage
JA74100-2.1	Secured Storage	Darshanaben Patel	05/07/11 08:57	Retrieve from Storage
JA74100-2.1	Darshanaben Patel	Secured Storage	05/07/11 12:28	Return to Storage
JA74100-2.1.1	Darshanaben Patel	Metals Digestion	05/07/11 09:11	Digestate from JA74100-2.1
JA74100-2.1.1	Metals Digestion	Darshanaben Patel	05/07/11 09:12	Digestate from JA74100-2.1
JA74100-2.1.1	Darshanaben Patel	Metals Digestate Storage	05/07/11 09:12	Return to Storage
JA74100-2.2	Secured Storage	Airam Ejat	04/26/11 17:02	Retrieve from Storage
JA74100-2.2	Airam Ejat	Secured Storage	04/26/11 17:02	Return to Storage
JA74100-2.2	Secured Storage	Adam Scott	04/27/11 07:49	Retrieve from Storage
JA74100-2.2	Adam Scott	Airam Ejat	04/27/11 07:54	Custody Transfer
JA74100-2.2	Airam Ejat	Secured Storage	04/27/11 17:18	Return to Storage

## Metals Analysis

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### QC Data Summaries

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Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- IDL and Linear Range Summaries

Accutest Laboratories Instrument Runlog  
Inorganics Analyses

Login Number: JA74100  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: X050711M2.CSV  
Analyst: ND  
Parameters: Cr

Date Analyzed: 05/07/11      Methods: EPA 200.8  
Run ID: MA26325

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:54	MA26325-STD1	1		STD1
14:58	MA26325-STD2	1		STD2
15:02	MA26325-STD3	1		STD3
15:07	MA26325-STD4	1		STD4
15:11	MA26325-STD5	1		STD5
15:15	MA26325-STD6	1		STD6
15:19	MA26325-STD7	1		STD7
15:24	MA26325-ICV1	1		
15:28	MA26325-ICB1	1		
15:32	MA26325-CRI1	1		
15:37	ZZZZZZ	1		
15:41	MA26325-CRIA1	1		
15:45	MA26325-CCV1	1		
15:50	MA26325-CCB1	1		
15:54	MP58043-MB1	1		
15:58	MP58043-LC1	1		
16:03	MP58043-S1	1		
16:07	MP58043-S2	1		
16:11	T74672-1F	1		(sample used for QC only; not part of login JA74100)
16:15	ZZZZZZ	1		
16:20	ZZZZZZ	1		
16:24	ZZZZZZ	1		
16:28	ZZZZZZ	1		
16:33	ZZZZZZ	1		
16:37	MA26325-CCV2	1		
16:41	MA26325-CCB2	1		
16:46	ZZZZZZ	1		
16:50	ZZZZZZ	1		
16:54	ZZZZZZ	1		
16:59	ZZZZZZ	1		
17:03	MP58044-MB1	1		Batch to reanalysis, Sc out on CCV, Ba all overrange.
17:07	MP58044-LC1	1		
17:11	MP58044-S1	1		

Accutest Laboratories Instrument Runlog  
Inorganics Analyses

Login Number: JA74100  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: X050711M2.CSV Date Analyzed: 05/07/11 Methods: EPA 200.8  
Analyst: ND Run ID: MA26325  
Parameters: Cr

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:16	MP58044-S2	1		
17:20	T74672-14F	1		(sample used for QC only; not part of login JA74100)
17:24	ZZZZZZ	1		
17:29	MA26325-CCV3	1		Y and Sc out.
17:33	MA26325-CCB3	1		Y and Sc out.
17:37	ZZZZZZ	1		
17:42	ZZZZZZ	1		
17:46	ZZZZZZ	1		
17:50	ZZZZZZ	1		
17:54	ZZZZZZ	1		
17:59	ZZZZZZ	1		
18:03	ZZZZZZ	1		
18:07	ZZZZZZ	1		
18:12	MA26325-CCV4	1		
18:16	MA26325-CCB4	1		
18:20	MP58045-MB1	1		Batch to reanalysis for Ba, all overrange.
18:25	MP58045-LC1	1		
18:29	MP58045-S1	1		
18:33	MP58045-S2	1		
18:38	T74672-23F	1		(sample used for QC only; not part of login JA74100)
18:42	ZZZZZZ	1		
18:46	ZZZZZZ	1		
18:50	ZZZZZZ	1		
18:55	ZZZZZZ	1		
18:59	ZZZZZZ	1		
19:03	MA26325-CCV5	1		
19:08	MA26325-CCB5	1		
19:12	ZZZZZZ	1		
19:16	ZZZZZZ	1		
19:21	ZZZZZZ	1		
19:25	ZZZZZZ	1		
19:29	MP58046-MB1	1		
19:33	MP58046-LC1	1		

Accutest Laboratories Instrument Runlog  
Inorganics Analyses

Login Number: JA74100  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: X050711M2.CSV  
Analyst: ND  
Parameters: Cr

Date Analyzed: 05/07/11  
Run ID: MA26325  
Methods: EPA 200.8

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:38	MP58046-S1	1		
19:42	MP58046-S2	1		
19:46	T74672-33F	1		(sample used for QC only; not part of login JA74100)
19:51	ZZZZZZ	1		
19:55	MA26325-CCV6	1		
19:59	MA26325-CCB6	1		
20:04	ZZZZZZ	1		
20:08	ZZZZZZ	1		
20:12	ZZZZZZ	1		
20:17	ZZZZZZ	1		
20:21	ZZZZZZ	1		
20:25	ZZZZZZ	1		
20:29	ZZZZZZ	1		
20:34	ZZZZZZ	1		
20:38	MA26325-CCV7	1		
20:42	MA26325-CCB7	1		
20:47	MP58063-MB1	1		
20:51	MP58063-LC1	1		
20:55	MP58063-S1	1		
21:00	MP58063-S2	1		
21:04	JA74098-1	1		(sample used for QC only; not part of login JA74100)
21:08	MP58063-S3	1		
21:12	MP58063-S4	1		
21:17	JA74098-1F	1		(sample used for QC only; not part of login JA74100)
21:21	ZZZZZZ	1		
21:25	ZZZZZZ	1		
21:30	MA26325-CCV8	1		
21:34	MA26325-CCB8	1		
21:38	ZZZZZZ	1		
21:43	ZZZZZZ	1		
21:47	ZZZZZZ	1		
21:51	ZZZZZZ	1		
21:56	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog  
Inorganics Analyses

Login Number: JA74100  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: X050711M2.CSV                      Date Analyzed: 05/07/11                      Methods: EPA 200.8  
Analyst: ND    Run ID: MA26325  
Parameters: Cr

Time	Sample Description	Dilution Factor	PS Recov	Comments
22:00	ZZZZZZ	1		
22:04	MP58073-MB1	1		
22:08	MP58073-LC1	1		
22:13	MP58073-S1	1		
22:17	MP58073-S2	1		
22:21	MA26325-CCV9	1		
22:26	MA26325-CCB9	1		
22:30	JA74100-1	1		
22:34	JA74100-2	1		
22:39	JA74100-1F	1		
----->	Last reportable sample/prep for job JA74100			
22:43	MA26325-CCV10	1		
22:47	MA26325-CCB10	1		
----->	Last reportable CCB for job JA74100			
22:52	ZZZZZZ	1		
22:56	ZZZZZZ	25		
23:00	ZZZZZZ	25		
23:04	ZZZZZZ	1		
23:09	ZZZZZZ	1		
23:17	ZZZZZZ	1		
23:22	ZZZZZZ	1		
23:26	ZZZZZZ	1		
23:30	ZZZZZZ	1		
23:35	MA26325-CCV11	1		
23:39	MA26325-CCB11	1		

Refer to raw data for calibration curve and standards.

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INTERNAL STANDARD SUMMARY

Login Number: JA74100  
 Account: HWINJM - Honeywell International Inc.  
 Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: X050711M2.CSV Date Analyzed: 05/07/11 Methods: EPA 200.8  
 Analyst: ND Run ID: MA26325  
 Parameters: Cr

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
14:54	MA26325-STD1	100	100	100	100	100	100	100	100
14:58	MA26325-STD2	102.51	101.3	101.54	101.66	101.7	101.37	101.22	101.4
15:02	MA26325-STD3	103.87	101.7	102.04	101.76	102.22	102.1	102.45	102.29
15:07	MA26325-STD4	101.94	98.76	99.63	99.6	99.47	100	100.35	101.14
15:11	MA26325-STD5	101.53	97.34	98.96	99.37	99.14	100.37	100.89	101.49
15:15	MA26325-STD6	100.15	96.49	98.17	98.02	98.86	100.25	100.59	101.86
15:19	MA26325-STD7	99.04	94.05	95.48	94.48	96.25	97.95	97.85	98.4
15:24	MA26325-ICV1	97.44	93.38	94.2	94.83	95.14	97.13	97.71	98.33
15:28	MA26325-ICB1	101.07	94.58	95.68	95.88	95.84	97.18	97.23	98.43
15:32	MA26325-CRI1	103.13	99.16	99.64	99.34	99.83	100.53	101.4	101.61
15:37	ZZZZZ	104.08	100.01	100.65	100.2	100.25	101.07	101	101.04
15:41	MA26325-CRIA1	103.46	99.05	99.62	100.24	99.92	100.34	100.39	100.3
15:45	MA26325-CCV1	101.28	98.25	99.23	97.92	98.96	100.81	100.99	101.35
15:50	MA26325-CCB1	101.95	94.35	94.74	95.67	95.46	95.56	96.02	97.87
15:54	MP58043-MB1	101.71	97.52	97.61	97.69	97.63	98.51	98.4	98.9
15:58	MP58043-LC1	100.49	96.53	97.29	97.28	97.41	100.25	100.16	100.29
16:03	MP58043-S1	84.92	109.26	92.04	84.12	86.81	93.01	93.91	87.21
16:07	MP58043-S2	86.43	113.43	96.87	87.38	90.06	95.4	95.91	88.34
16:11	T74672-1F	88.28	117.09	98.96	89.88	91.63	95.29	96.13	88.35
16:15	ZZZZZ	89.46	119.34	100.46	90.93	92.26	95.96	96.53	88.22
16:20	ZZZZZ	91.03	121.57	101.68	91.88	93.59	96.92	97.07	88.93
16:24	ZZZZZ	92.23	123.5	103.8	93.59	95.14	98.15	98.53	90.07
16:28	ZZZZZ	87.03	120.79	100.77	89.57	91.07	95.31	95.31	84.72
16:33	ZZZZZ	90.04	0 !	103.77	91.99	93.75	96.98	97.36	86.04
16:37	MA26325-CCV2	100.2	104.05	104.83	101.71	101.16	99.45	99.44	98.5
16:41	MA26325-CCB2	99.79	101.06	102.4	101.03	98.95	97.18	96.79	96.77
16:46	ZZZZZ	87.94	124.95	103.29	91.53	92.98	96.96	97.05	85.72
16:50	ZZZZZ	91.17	0 !	106.89	94.16	96.13	99.08	98.75	86.5
16:54	ZZZZZ	88.44	0 !	114.31	99.66	100.95	101.78	101.61	87.84
16:59	ZZZZZ	94.24	0 !	123.95	108.07	108	107.36	107.06	92.37
17:03	MP58044-MB1	112.53	124.4	120.46	117.86	114.05	107.99	107.48	105.17
17:07	MP58044-LC1	107.75	119.57	116.36	113.15	110.97	107.11	106.85	104.47
17:11	MP58044-S1	92.8	136.43 !	113.12	101.71	102.42	104.74	104.79	93.85

INTERNAL STANDARD SUMMARY

Login Number: JA74100  
 Account: HWINJM - Honeywell International Inc.  
 Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: X050711M2.CSV Date Analyzed: 05/07/11 Methods: EPA 200.8  
 Analyst: ND Run ID: MA26325  
 Parameters: Cr

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
17:16	MP58044-S2	91.18	136.28 !	112.04	99.83	101.25	102.59	102.77	91.37
17:20	T74672-14F	93.42	137.58 !	113.73	101.44	103.06	104.07	104.41	93
17:24	ZZZZZZ	90.54	153.81 !	120.23	104.33	105.84	105.33	104.85	90.07
17:29	MA26325-CCV3	114.38	133.53 !	128.94 !	124.44	121	114.33	113.19	108.66
17:33	MA26325-CCB3	109.63	125.33 !	120.61	117.67	113.43	107.16	106.73	103.6
17:37	ZZZZZZ	93.15	160.42 !	125.61 !	109.16	110.07	109.44	108.91	92.37
17:42	ZZZZZZ	98.64	150.57 !	122.79	109.14	109.01	109.41	109.26	96.28
17:46	ZZZZZZ	98.62	149.64 !	122.91	108.72	109.34	109.53	108.99	96.15
17:50	ZZZZZZ	98.3	146.17 !	121.31	107.75	109.55	110.29	109.91	97.03
17:54	ZZZZZZ	93.31	135.01 !	113.4	101.16	103.57	104.97	105.78	93.51
17:59	ZZZZZZ	93.48	132.54 !	112.54	101.01	103.2	105.66	106.41	94.3
18:03	ZZZZZZ	94.16	132.72 !	112.23	100.6	102.52	105.45	105.89	93.74
18:07	ZZZZZZ	92.78	132.49 !	111.83	99.74	102.32	105.45	105.56	93.7
18:12	MA26325-CCV4	98.21	104.67	105.28	102.96	102.9	102.37	102.15	100.54
18:16	MA26325-CCB4	99.52	105.57	105.65	104.76	103.03	101.74	101.75	100.73
18:20	MP58045-MB1	100.81	109.28	106.86	105.62	104.19	102.84	102.33	101.57
18:25	MP58045-LC1	101.32	108.51	108.19	106.48	106.56	105.9	105.84	103.98
18:29	MP58045-S1	90.98	0 !	111.86	100.15	101.79	104.89	105.19	93.57
18:33	MP58045-S2	94.21	0 !	116.11	103.37	105.34	107.53	107.39	95.68
18:38	T74672-23F	94.66	0 !	116.5	103.58	104.52	106.69	106.89	94.75
18:42	ZZZZZZ	95.5	0 !	118.17	104.15	106.13	107.68	107.86	95.18
18:46	ZZZZZZ	97.05	0 !	119.6	106.25	108.13	109.35	109.39	96.09
18:50	ZZZZZZ	96.59	0 !	119.08	105.41	107.08	108.2	108.38	94.36
18:55	ZZZZZZ	91.73	0 !	116.06	102.37	104.3	105.52	105.23	90.76
18:59	ZZZZZZ	91.77	0 !	117.35	102.71	103.98	105.05	104.94	89.78
19:03	MA26325-CCV5	107.85	118.1	116.11	112.78	111.28	108.72	107.75	104.52
19:08	MA26325-CCB5	101.81	109.75	107.57	106.33	104.04	100.89	100.2	99.02
19:12	ZZZZZZ	92.17	0 !	117.98	103.64	105.34	107.37	107.15	91.86
19:16	ZZZZZZ	93.64	0 !	118.45	103.75	104.58	105.4	105.22	90.57
19:21	ZZZZZZ	93.48	0 !	119.55	104.48	105.38	105.72	106.4	90.63
19:25	ZZZZZZ	94.79	0 !	122.4	105.97	106.85	107.11	106.5	91.12
19:29	MP58046-MB1	108.32	118.98	116.79	113.63	111.11	106.55	105.93	103.49
19:33	MP58046-LC1	104.14	113.77	112.48	108.95	107.58	104.74	104.2	101.51

INTERNAL STANDARD SUMMARY

Login Number: JA74100  
 Account: HWINJM - Honeywell International Inc.  
 Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: X050711M2.CSV Date Analyzed: 05/07/11 Methods: EPA 200.8  
 Analyst: ND Run ID: MA26325  
 Parameters: Cr

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
19:38	MP58046-S1	91.45	0 !	118.36	103.93	105.35	106.71	106.38	91.81
19:42	MP58046-S2	93.5	0 !	120.22	104.51	105.48	106.51	106.15	90.83
19:46	T74672-33F	94.55	0 !	121.3	105.74	106.99	106.91	106.31	91.09
19:51	ZZZZZZ	96.32	0 !	123.88	107.58	108.74	108.71	108.18	92.64
19:55	MA26325-CCV6	109.4	123	120.59	115.73	113.95	109.04	108.09	104.39
19:59	MA26325-CCB6	103.93	115.8	112.71	109.7	106.73	102.22	101.33	98.92
20:04	ZZZZZZ	95.11	104.75	103.54	97.43	98.68	98.03	97.91	93.02
20:08	ZZZZZZ	99.45	112.98	109.8	103.38	105.06	103.89	103.84	97.36
20:12	ZZZZZZ	98.04	106.74	104.46	99.24	100.51	100.46	99.94	94.4
20:17	ZZZZZZ	97.28	102.45	101	95.6	97.92	98.46	98.43	93.46
20:21	ZZZZZZ	83.73	122.7	103.3	91.24	93.87	97.34	98.1	86.39
20:25	ZZZZZZ	86.18	0 !	106.54	93.14	96.41	98.68	99.25	85.8
20:29	ZZZZZZ	86.99	0 !	108.65	94.86	97.07	98.82	99.51	85.82
20:34	ZZZZZZ	90.05	0 !	111.89	97.62	99.09	101.35	101.33	88.08
20:38	MA26325-CCV7	100.76	105.95	105.42	102.91	102.06	100.23	99.68	97.57
20:42	MA26325-CCB7	98	102.42	103	101.02	99.75	97.59	97.5	95.83
20:47	MP58063-MB1	94.81	98.45	98.88	97.61	95.88	95.63	95.35	94.46
20:51	MP58063-LC1	95.78	98.59	100.33	98.25	98.2	98.28	98.22	96.83
20:55	MP58063-S1	81.01	101.77	96.34	87.09	90.43	94.06	94.7	85.6
21:00	MP58063-S2	83.83	101.7	96.96	87.86	90.9	95.35	95.46	87.04
21:04	JA74098-1	82.44	97.59	92.87	84.03	86.7	91.51	91.86	84.1
21:08	MP58063-S3	80.53	96.18	92.24	82.93	86.29	90.98	91.64	83.68
21:12	MP58063-S4	81.52	95.22	91.06	82.61	85.63	90.46	91.01	83.62
21:17	JA74098-1F	78.86	93.27	88.4	80.15	83.09	88.02	88.79	81.69
21:21	ZZZZZZ	78.49	86.89	87.98	79.07	82.56	87.42	88.35	84.55
21:25	ZZZZZZ	77.71	90.45	87.4	78.84	82.64	87.87	88.55	81.07
21:30	MA26325-CCV8	88.46	85.99	88.84	86.94	88.07	89.64	89.83	91
21:34	MA26325-CCB8	89.61	88.43	90.05	89.33	88.93	89.27	89.43	88.78
21:38	ZZZZZZ	76.32	84.73	85.2	76.89	80.01	84.61	85.31	81.9
21:43	ZZZZZZ	77.71	88.75	85.47	77.53	81.17	86.54	87.14	80.15
21:47	ZZZZZZ	78.05	81.33	87.56	75.99	78.85	83.51	84.33	82.33
21:51	ZZZZZZ	78.82	82.31	83.22	77.96	81.5	86.1	86.76	84.41
21:56	ZZZZZZ	78.32	80.95	87.71	76.81	80.45	84.91	85.65	83.62

INTERNAL STANDARD SUMMARY

Login Number: JA74100  
 Account: HWINJM - Honeywell International Inc.  
 Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: X050711M2.CSV Date Analyzed: 05/07/11 Methods: EPA 200.8  
 Analyst: ND Run ID: MA26325  
 Parameters: Cr

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
22:00	ZZZZZZ	77.29	81.51	82.46	77.44	81.13	85.98	86.89	84.59
22:04	MP58073-MB1	84.72	83.02	86.02	85.73	86.26	88.15	88.77	89.75
22:08	MP58073-LC1	84.85	83.24	86.61	85.61	87.23	89.59	89.84	90.5
22:13	MP58073-S1	82.44	83.34	86.62	79.79	83.44	87.56	88.56	84.67
22:17	MP58073-S2	82.38	81.59	85.18	78.06	81.47	86.17	87.25	83.54
22:21	MA26325-CCV9	85.83	79.43	82.87	82.03	82.93	85.52	85.83	86.89
22:26	MA26325-CCB9	87.93	82.7	85.52	84.74	85.27	86.18	86.17	87.13
22:30	JA74100-1	81.74	80.69	83.3	76.8	80.1	84.07	84.96	81.08
22:34	JA74100-2	89.47	83.79	86.37	86.16	85.94	87.5	88.43	89.12
22:39	JA74100-1F	80.65	80.33	83.94	76.77	80.24	84.03	84.77	80.76
22:43	MA26325-CCV10	84.83	81.03	84.08	83.5	84.06	86.11	86.31	87.35
22:47	MA26325-CCB10	87.45	82.18	84.74	84.41	84.48	85.27	85.34	85.88
22:52	ZZZZZZ	76.42	81.87	78.59	73.96	77.02	81.93	82.99	79.71
22:56	ZZZZZZ	105.05	124.55	116.1	101.4	104.83	104.82	105.12	90.29
23:00	ZZZZZZ	118.73	0 !	0 !	113.92	115.82	110.9	110.69	92.42
23:04	ZZZZZZ	123.55	0 !	0 !	127.1 !	129.56 !	127.81 !	127.66 !	110.02
23:09	ZZZZZZ	104.53	124.27	118.89	105.72	108.22	107.96	108.08	98.47
23:17	ZZZZZZ	92.87	92.1	92.61	91.2	90.96	93.37	93.52	91.8
23:22	ZZZZZZ	91.04	89.97	90.82	89.73	89.86	92.8	93.1	91.09
23:26	ZZZZZZ	91.28	88.94	89.49	89.66	89.64	91.94	92.01	91.27
23:30	ZZZZZZ	89.41	88.39	89.62	88.55	88.99	92.2	91.96	90.95
23:35	MA26325-CCV11	90.73	90.68	92.49	90.74	90.84	91.73	91.81	92
23:39	MA26325-CCB11	90.17	89.59	91.43	90.34	89.65	88.89	89.32	89.36

! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Lithium	60-125 %
Istd#2	Scandium	60-125 %
Istd#3	Yttrium	60-125 %
Istd#4	Rhodium	60-125 %
Istd#5	Indium	60-125 %
Istd#6	Terbium	60-125 %
Istd#7	Holmium	60-125 %
Istd#8	Bismuth	60-125 %

BLANK RESULTS SUMMARY  
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: JA74100  
 Account: HWINJM - Honeywell International Inc.  
 Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: X050711M2.CSV Date Analyzed: 05/07/11 Methods: EPA 200.8  
 QC Limits: result < RL Run ID: MA26325 Units: ug/l

Metal	RL	IDL	15:28	15:50		16:41		17:33						
			ICB1	raw	final	CCB1	raw	final	CCB2	raw	final	CCB3	raw	final
Aluminum	50	1	anr											
Antimony	0.50	.17												
Arsenic	1.0	.096												
Barium	1.0	.034	anr											
Beryllium	0.50	.011												
Boron	5.0	.17												
Cadmium	0.50	.036												
Calcium	250	3.1												
Chromium	4.0	.052	0.18	<4.0	0.0040	<4.0	-0.023	<4.0	0.49	<4.0				
Cobalt	0.50	.003												
Copper	4.0	.61	anr											
Iron	50	1.1												
Lead	0.50	.005	anr											
Magnesium	250	1.9												
Manganese	0.50	.01												
Molybdenum	1.0	.034												
Nickel	4.0	.03	anr											
Potassium	250	5.6												
Selenium	1.0	.067												
Silver	2.0	.01	anr											
Sodium	250	1.2												
Strontium	1.0	.007												
Thallium	0.50	.014												
Tin	1.0	.039												
Titanium	1.0	.14												
Uranium	1.0													
Vanadium	4.0	.24												
Zinc	4.0	.2	anr											

(\* ) Outside of QC limits  
 (anr) Analyte not requested

5.1.2  
 5

BLANK RESULTS SUMMARY  
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: JA74100  
 Account: HWINJM - Honeywell International Inc.  
 Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: X050711M2.CSV Date Analyzed: 05/07/11 Methods: EPA 200.8  
 QC Limits: result < RL Run ID: MA26325 Units: ug/l

Metal	RL	IDL	18:16	19:08		19:59		20:42		
			CCB4	raw	final	raw	final	raw	final	raw
Aluminum	50	1	anr							
Antimony	0.50	.17								
Arsenic	1.0	.096								
Barium	1.0	.034	anr							
Beryllium	0.50	.011								
Boron	5.0	.17								
Cadmium	0.50	.036								
Calcium	250	3.1								
Chromium	4.0	.052	0.017	<4.0	0.17	<4.0	0.074	<4.0	-0.23	<4.0
Cobalt	0.50	.003								
Copper	4.0	.61	anr							
Iron	50	1.1								
Lead	0.50	.005	anr							
Magnesium	250	1.9								
Manganese	0.50	.01								
Molybdenum	1.0	.034								
Nickel	4.0	.03	anr							
Potassium	250	5.6								
Selenium	1.0	.067								
Silver	2.0	.01	anr							
Sodium	250	1.2								
Strontium	1.0	.007								
Thallium	0.50	.014								
Tin	1.0	.039								
Titanium	1.0	.14								
Uranium	1.0									
Vanadium	4.0	.24								
Zinc	4.0	.2	anr							

(\* ) Outside of QC limits  
 (anr) Analyte not requested

5.1.2  
 5

BLANK RESULTS SUMMARY  
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: JA74100  
 Account: HWINJM - Honeywell International Inc.  
 Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: X050711M2.CSV Date Analyzed: 05/07/11 Methods: EPA 200.8  
 QC Limits: result < RL Run ID: MA26325 Units: ug/l

Metal	RL	IDL	Time:	21:34	22:26	22:47	raw	final
			Sample ID:	CCB8	CCB9	CCB10		
Aluminum	50	1		anr				
Antimony	0.50	.17						
Arsenic	1.0	.096						
Barium	1.0	.034		anr				
Beryllium	0.50	.011						
Boron	5.0	.17						
Cadmium	0.50	.036						
Calcium	250	3.1						
Chromium	4.0	.052	0.0080	<4.0	0.066	<4.0	0.22	<4.0
Cobalt	0.50	.003						
Copper	4.0	.61		anr				
Iron	50	1.1						
Lead	0.50	.005		anr				
Magnesium	250	1.9						
Manganese	0.50	.01						
Molybdenum	1.0	.034						
Nickel	4.0	.03		anr				
Potassium	250	5.6						
Selenium	1.0	.067						
Silver	2.0	.01		anr				
Sodium	250	1.2						
Strontium	1.0	.007						
Thallium	0.50	.014						
Tin	1.0	.039						
Titanium	1.0	.14						
Uranium	1.0							
Vanadium	4.0	.24						
Zinc	4.0	.2		anr				

(\* ) Outside of QC limits  
 (anr) Analyte not requested

5.1.2  
 5

CALIBRATION CHECK STANDARDS SUMMARY  
Initial and Continuing Calibration Checks

Login Number: JA74100  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: X050711M2.CSV      Date Analyzed: 05/07/11      Methods: EPA 200.8  
QC Limits: 90 to 110 % Recovery      Run ID: MA26325      Units: ug/l

Metal	Time:	15:24		CCV True	15:45		CCV True	16:37			
	Sample ID:	ICV	ICV1		Results	% Rec		CCV1	Results	% Rec	CCV2
Aluminum		anr									
Antimony											
Arsenic											
Barium		anr									
Beryllium											
Boron											
Cadmium											
Calcium											
Chromium	60		61.2	102.0	50	48.4	96.8	50	49.9	99.8	
Cobalt											
Copper		anr									
Iron											
Lead		anr									
Magnesium											
Manganese											
Molybdenum											
Nickel		anr									
Potassium											
Selenium											
Silver		anr									
Sodium											
Strontium											
Thallium											
Tin											
Titanium											
Uranium											
Vanadium											
Zinc		anr									

(\*) Outside of QC limits  
(anr) Analyte not requested

5.1.3  
5



CALIBRATION CHECK STANDARDS SUMMARY  
Initial and Continuing Calibration Checks

Login Number: JA74100  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: X050711M2.CSV      Date Analyzed: 05/07/11      Methods: EPA 200.8  
QC Limits: 90 to 110 % Recovery      Run ID: MA26325      Units: ug/l

Metal	Sample ID: CCV	17:29		CCV	18:12		CCV	19:03	
		True	CCV3		Results	% Rec		CCV4	Results
Aluminum	anr								
Antimony									
Arsenic									
Barium	anr								
Beryllium									
Boron									
Cadmium									
Calcium									
Chromium	50	49.0	98.0	50	50.5	101.0	50	48.7	97.4
Cobalt									
Copper	anr								
Iron									
Lead	anr								
Magnesium									
Manganese									
Molybdenum									
Nickel	anr								
Potassium									
Selenium									
Silver	anr								
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Uranium									
Vanadium									
Zinc	anr								

(\*) Outside of QC limits  
(anr) Analyte not requested

5.1.3  
5

CALIBRATION CHECK STANDARDS SUMMARY  
Initial and Continuing Calibration Checks

Login Number: JA74100  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: X050711M2.CSV      Date Analyzed: 05/07/11      Methods: EPA 200.8  
QC Limits: 90 to 110 % Recovery      Run ID: MA26325      Units: ug/l

Metal	Sample ID: CCV	19:55		CCV	20:38		CCV	21:30	
		True	CCV6		Results	% Rec		CCV7	Results
Aluminum	anr								
Antimony									
Arsenic									
Barium	anr								
Beryllium									
Boron									
Cadmium									
Calcium									
Chromium	50	50.0	100.0	50	50.3	100.6	50	49.9	99.8
Cobalt									
Copper	anr								
Iron									
Lead	anr								
Magnesium									
Manganese									
Molybdenum									
Nickel	anr								
Potassium									
Selenium									
Silver	anr								
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Uranium									
Vanadium									
Zinc	anr								

(\*) Outside of QC limits  
(anr) Analyte not requested

5.1.3  
5

CALIBRATION CHECK STANDARDS SUMMARY  
Initial and Continuing Calibration Checks

Login Number: JA74100  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: X050711M2.CSV      Date Analyzed: 05/07/11      Methods: EPA 200.8  
QC Limits: 90 to 110 % Recovery      Run ID: MA26325      Units: ug/l

Metal	Sample ID: CCV	Time: 22:21		Time: 22:43		
		CCV9	Results	CCV10	Results	
	True		% Rec	True	% Rec	
Aluminum	anr					
Antimony						
Arsenic						
Barium	anr					
Beryllium						
Boron						
Cadmium						
Calcium						
Chromium	50	50.2	100.4	50	48.1	96.2
Cobalt						
Copper	anr					
Iron						
Lead	anr					
Magnesium						
Manganese						
Molybdenum						
Nickel	anr					
Potassium						
Selenium						
Silver	anr					
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Uranium						
Vanadium						
Zinc	anr					

(\* ) Outside of QC limits  
(anr) Analyte not requested

5.1.3  
5

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JA74100  
 Account: HWINJM - Honeywell International Inc.  
 Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: X050711M2.CSV Date Analyzed: 05/07/11 Methods: EPA 200.8  
 QC Limits: 50 to 150 % Recovery Run ID: MA26325 Units: ug/l

Time:			15:32		15:41	
Sample ID:	CRI	CRIA	CRI1	% Rec	CRI1	% Rec
Metal	True	True	Results		Results	
Aluminum	50	25	anr			
Antimony	0.50	0.25				
Arsenic	1.0	0.50				
Barium	1.0	0.50	anr			
Beryllium	0.50	0.25				
Boron	5.0	2.5				
Cadmium	0.50	0.25				
Calcium	250	125				
Chromium	4.0	2.0	3.8	95.0	1.9	95.0
Cobalt	0.50	0.25				
Copper	4.0	2.0	anr			
Iron	50	25				
Lead	0.50	0.25	anr			
Magnesium	250	125				
Manganese	0.50	0.25				
Molybdenum	1.0	0.50				
Nickel	4.0	2.0	anr			
Potassium	250	125				
Selenium	1.0	0.50				
Silver	2.0	1.0	anr			
Sodium	250	125				
Strontium	1.0	0.50				
Thallium	0.50	0.25				
Tin	1.0	0.50				
Titanium	1.0	0.50				
Uranium	1.0	0.50				
Vanadium	4.0	2.0				
Zinc	4.0	2.0	anr			

(\* ) Outside of QC limits  
 (anr) Analyte not requested

5.1.4  
5

BLANK RESULTS SUMMARY  
Part 2 - Method Blanks

Login Number: JA74100  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

QC Batch ID: MP58073  
Matrix Type: AQUEOUS

Methods: EPA 200.8  
Units: ug/l

Prep Date: 05/07/11

Metal	RL	IDL	MDL	MB raw	final
Aluminum	50	1	1.9		
Antimony	0.50	.17	.083		
Arsenic	1.0	.096	.12		
Barium	1.0	.034	.082		
Beryllium	0.50	.011	.13		
Boron	5.0	.17	.73		
Cadmium	0.50	.036	.051		
Calcium	250	3.1	20		
Chromium	4.0	.052	.072	-0.22	<4.0
Cobalt	0.50	.003	.024		
Copper	4.0	.61	.34		
Iron	50	1.1	2.5		
Lead	0.50	.005	.064		
Magnesium	250	1.9	3.3		
Manganese	0.50	.01	.047		
Molybdenum	1.0	.034	.042		
Nickel	4.0	.03	.074		
Potassium	250	5.6	9		
Selenium	1.0	.067	.14		
Silver	2.0	.01	.08		
Sodium	250	1.2	3.9		
Strontium	1.0	.007	.024		
Thallium	0.50	.014	.016		
Tin	1.0	.039	.029		
Titanium	1.0	.14	.12		
Uranium	1.0				
Vanadium	4.0	.24	.23		
Zinc	4.0	.2	.44		

Associated samples MP58073: JA74100-1, JA74100-2, JA74100-1F

Results < IDL are shown as zero for calculation purposes  
(\* ) Outside of QC limits  
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JA74100  
 Account: HWINJM - Honeywell International Inc.  
 Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

QC Batch ID: MP58073  
 Matrix Type: AQUEOUS

Methods: EPA 200.8  
 Units: ug/l

Prep Date: 05/07/11

Metal	JA74100-1 Original MS		SpikeLot MPXDW2	% Rec	QC Limits
Aluminum	anr				
Antimony					
Arsenic					
Barium	anr				
Beryllium					
Boron					
Cadmium					
Calcium					
Chromium	43.7	145	100	101.3	70-130
Cobalt					
Copper	anr				
Iron					
Lead	anr				
Magnesium					
Manganese					
Molybdenum					
Nickel	anr				
Potassium					
Selenium					
Silver	anr				
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Uranium					
Vanadium					
Zinc	anr				

Associated samples MP58073: JA74100-1, JA74100-2, JA74100-1F

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (N) Matrix Spike Rec. outside of QC limits  
 (anr) Analyte not requested

5.2.2  
5

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JA74100  
 Account: HWINJM - Honeywell International Inc.  
 Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

QC Batch ID: MP58073  
 Matrix Type: AQUEOUS

Methods: EPA 200.8  
 Units: ug/l

Prep Date: 05/07/11

Metal	JA74100-1		SpikeLot		MSD RPD	QC Limit
	Original	MSD	MPXDW2	% Rec		
Aluminum	anr					
Antimony						
Arsenic						
Barium	anr					
Beryllium						
Boron						
Cadmium						
Calcium						
Chromium	43.7	142	100	98.3	2.1	17
Cobalt						
Copper	anr					
Iron						
Lead	anr					
Magnesium						
Manganese						
Molybdenum						
Nickel	anr					
Potassium						
Selenium						
Silver	anr					
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Uranium						
Vanadium						
Zinc	anr					

Associated samples MP58073: JA74100-1, JA74100-2, JA74100-1F

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (N) Matrix Spike Rec. outside of QC limits  
 (anr) Analyte not requested

5.2.2  
5

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JA74100  
 Account: HWINJM - Honeywell International Inc.  
 Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

QC Batch ID: MP58073  
 Matrix Type: AQUEOUS

Methods: EPA 200.8  
 Units: ug/l

Prep Date: 05/07/11

Metal	LCS Result	Spikelot MPXDW2	% Rec	QC Limits
Aluminum	anr			
Antimony				
Arsenic				
Barium	anr			
Beryllium				
Boron				
Cadmium				
Calcium				
Chromium	104	100	104.0	85-115
Cobalt				
Copper	anr			
Iron				
Lead	anr			
Magnesium				
Manganese				
Molybdenum				
Nickel	anr			
Potassium				
Selenium				
Silver	anr			
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc	anr			

Associated samples MP58073: JA74100-1, JA74100-2, JA74100-1F

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (anr) Analyte not requested

5.2.3  
5



# Instrument Detection Limits

**Job Number:** JA74100  
**Account:** HWINJM Honeywell International Inc.  
**Project:** HLANJPR: SA-5 Site 117, Jersey City, NJ

<b>Instrument ID:</b> ICPMS1	<b>Effective Date:</b> 04/05/11
------------------------------	---------------------------------

Analyte	IDL ug/l
Aluminum	1.035
Antimony	.166
Arsenic	.096
Barium	.034
Beryllium	.011
Boron	.166
Cadmium	.036
Calcium	3.055
Chromium	.052
Cobalt	.003
Copper	.611
Iron	1.114
Lead	.005
Magnesium	1.931
Manganese	.01
Molybdenum	.034
Nickel	.03
Potassium	5.643
Selenium	.067
Silver	.01
Sodium	1.18
Strontium	.007
Thallium	.014
Tin	.039
Titanium	.144
Vanadium	.241
Zinc	.198

The above applies to the following instrument runs:  
MA26325

5.3  
5

# Instrument Linear Ranges

**Job Number:** JA74100  
**Account:** HWINJM Honeywell International Inc.  
**Project:** HLANJPR: SA-5 Site 117, Jersey City, NJ

<b>Instrument ID:</b> ICPMS1	<b>Effective Date:</b> 01/11/11
------------------------------	---------------------------------

Analyte	Linear Range ug/l
Aluminum	100000
Antimony	500
Arsenic	500
Barium	500
Beryllium	500
Boron	500
Cadmium	500
Calcium	100000
Chromium	500
Cobalt	500
Copper	500
Iron	100000
Lead	500
Magnesium	100000
Manganese	500
Molybdenum	500
Nickel	500
Potassium	100000
Selenium	500
Silver	500
Sodium	100000
Strontium	500
Thallium	500
Tin	500
Titanium	500
Vanadium	500
Zinc	500

The above applies to the following instrument runs:  
MA26325

Metals Analysis

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Raw Data

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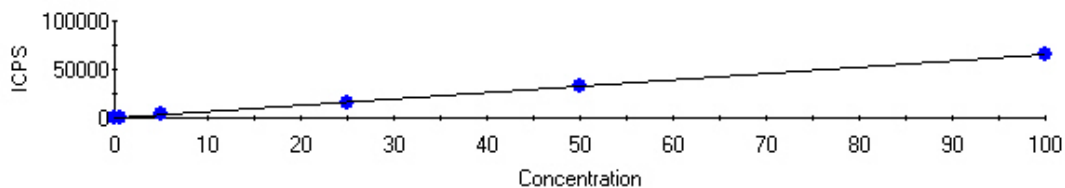
## Sample List

No	Label	Type	Weight	Rack	Row	Col	Height
1	std1 1	Fully Quant Standard	1.000	3	1	1	144
2	std2	Fully Quant Standard	1.000	3	1	2	144
3	std3	Fully Quant Standard	1.000	3	1	3	144
4	std4	Fully Quant Standard	1.000	3	1	4	144
5	std5	Fully Quant Standard	1.000	3	1	5	144
6	std6	Fully Quant Standard	1.000	3	1	6	144
7	std7	Fully Quant Standard	1.000	3	1	7	144
8	icv	Unknown	1.000	3	1	8	144
9	icb	Unknown	1.000	0	1	2	144
10	cri	Unknown	1.000	0	1	10	144
11	criaconf	Unknown	1.000	3	1	9	144
12	cria	Unknown	1.000	3	1	9	144
13	CCV	Unknown	1.000	0	1	1	144
14	CCB	Unknown	1.000	0	1	2	144
15	mp58043-mb1	Unknown	1.000	3	1	10	144
16	mp58043-lc1	Unknown	1.000	3	1	11	144
17	mp58043-s1	Unknown	1.000	3	1	12	144
18	mp58043-s2	Unknown	1.000	3	2	1	144
19	t74672-1f	Unknown	1.000	3	2	2	144
20	t74672-2f	Unknown	1.000	3	2	3	144
21	t74672-3f	Unknown	1.000	3	2	4	144
22	t74672-4f	Unknown	1.000	3	2	5	144
23	t74672-6f	Unknown	1.000	3	2	6	144
24	t74672-7f	Unknown	1.000	3	2	7	144
25	ccv	Unknown	1.000	0	1	3	144
26	ccb	Unknown	1.000	0	1	4	144
27	t74672-8f	Unknown	1.000	3	2	8	144
28	t74672-9f	Unknown	1.000	3	2	9	144
29	t74672-10f	Unknown	1.000	3	2	10	144
30	t74672-11f	Unknown	1.000	3	2	11	144
31	mp58044-mb1	Unknown	1.000	3	2	12	144
32	mp58044-lc1	Unknown	1.000	3	3	1	144
33	mp58044-s1	Unknown	1.000	3	3	2	144
34	mp58044-s2	Unknown	1.000	3	3	3	144
35	t74672-14f	Unknown	1.000	3	3	4	144
36	t74672-12f	Unknown	1.000	3	3	5	144
37	ccv	Unknown	1.000	0	1	1	144
38	ccb	Unknown	1.000	0	1	2	144
39	t74672-13f	Unknown	1.000	3	3	6	144
40	t74672-15f	Unknown	1.000	3	3	7	144
41	t74672-16f	Unknown	1.000	3	3	8	144
42	t74672-17f	Unknown	1.000	3	3	9	144
43	t74672-18f	Unknown	1.000	3	3	10	144
44	t74672-19f	Unknown	1.000	3	3	11	144
45	t74672-20f	Unknown	1.000	3	3	12	144
46	t74672-21f	Unknown	1.000	3	4	1	144
47	ccv	Unknown	1.000	0	1	1	144
48	ccb	Unknown	1.000	0	1	2	144
49	mp58045-mb1	Unknown	1.000	3	4	2	144
50	mp58045-lc1	Unknown	1.000	3	4	3	144
51	mp58045-s1	Unknown	1.000	3	4	4	144
52	mp58045-s2	Unknown	1.000	3	4	5	144
53	t74672-23f	Unknown	1.000	3	4	6	144
54	t74672-24f	Unknown	1.000	3	4	7	144
55	t74672-25f	Unknown	1.000	3	4	8	144
56	t74672-26f	Unknown	1.000	3	4	9	144
57	t74672-27f	Unknown	1.000	3	4	10	144
58	t74672-28f	Unknown	1.000	3	4	11	144
59	ccv	Unknown	1.000	0	1	1	144
60	ccb	Unknown	1.000	0	1	2	144
61	t74672-29f	Unknown	1.000	3	4	12	144
62	t74672-30f	Unknown	1.000	3	5	1	144
63	t74672-31f	Unknown	1.000	3	5	2	144
64	t74672-32f	Unknown	1.000	3	5	3	144
65	mp58046-mb1	Unknown	1.000	3	5	4	144
66	mp58046-lc1	Unknown	1.000	3	5	5	144
67	mp58046-s1	Unknown	1.000	3	5	6	144

68	mp58046-s2	Unknown	1.000	3	5	7	144
69	t74672-33f	Unknown	1.000	3	5	8	144
70	t74672-34f	Unknown	1.000	3	5	9	144
71	ccv	Unknown	1.000	0	1	3	144
72	ccb	Unknown	1.000	0	1	4	144
73	t74672-35f	Unknown	1.000	3	5	10	144
74	t74672-36f	Unknown	1.000	3	5	11	144
75	t74672-37f	Unknown	1.000	3	5	12	144
76	t74672-38f	Unknown	1.000	1	1	1	144
77	t74672-40f	Unknown	1.000	1	1	2	144
78	t74672-41f	Unknown	1.000	1	1	3	144
79	t74672-42f	Unknown	1.000	1	1	4	144
80	t74672-43f	Unknown	1.000	1	1	5	144
81	ccv	Unknown	1.000	0	1	3	144
82	ccb	Unknown	1.000	0	1	4	144
83	mp58063-mb1	Unknown	1.000	1	1	6	144
84	mp58063-lc1	Unknown	1.000	1	1	7	144
85	mp58063-s1	Unknown	1.000	1	1	8	144
86	mp58063-s2	Unknown	1.000	1	1	9	144
87	ja74098-1	Unknown	1.000	1	1	10	144
88	mp58063-s3	Unknown	1.000	1	1	11	144
89	mp58063-s4	Unknown	1.000	1	1	12	144
90	ja74098-1f	Unknown	1.000	1	2	1	144
91	ja74098-2	Unknown	1.000	1	2	2	144
92	ja74098-3	Unknown	1.000	1	2	3	144
93	ccv	Unknown	1.000	0	1	3	144
94	ccb	Unknown	1.000	0	1	4	144
95	ja74098-2f	Unknown	1.000	1	2	4	144
96	ja74098-3f	Unknown	1.000	1	2	5	144
97	ja74099-1	Unknown	1.000	1	2	6	144
98	ja74099-2	Unknown	1.000	1	2	7	144
99	ja74099-1f	Unknown	1.000	1	2	8	144
100	ja74099-2f	Unknown	1.000	1	2	9	144
101	mp58073-mb1	Unknown	1.000	1	2	10	144
102	mp58073-lc1	Unknown	1.000	1	2	11	144
103	mp58073-s1	Unknown	1.000	1	2	12	144
104	mp58073-s2	Unknown	1.000	1	3	1	144
105	ccv	Unknown	1.000	0	1	3	144
106	ccb	Unknown	1.000	0	1	4	144
107	ja74100-1	Unknown	1.000	1	3	2	144
108	ja74100-2	Unknown	1.000	1	3	3	144
109	ja74100-1f	Unknown	1.000	1	3	4	144
110	ccv	Unknown	1.000	0	1	1	144
111	ccb	Unknown	1.000	0	1	2	144
112	t74600-1	Unknown	1.000	1	3	5	144
113	t75033-2 df25	Unknown	25.000	1	3	6	144
114	t75038-1 df25	Unknown	25.000	1	3	7	144
115	t75047-1	Unknown	1.000	1	3	8	144
116	t75047-2	Unknown	1.000	1	3	9	144
117	sampleconf	Unknown	1.000	0	1	5	144
118	sampleconf	Unknown	1.000	0	1	5	144
119	sampleconf	Unknown	1.000	0	1	5	144
120	sampleconf	Unknown	1.000	0	1	5	144
121	ccv	Unknown	1.000	0	1	1	144
122	ccb	Unknown	1.000	0	1	2	144

Fully Quant Calibration

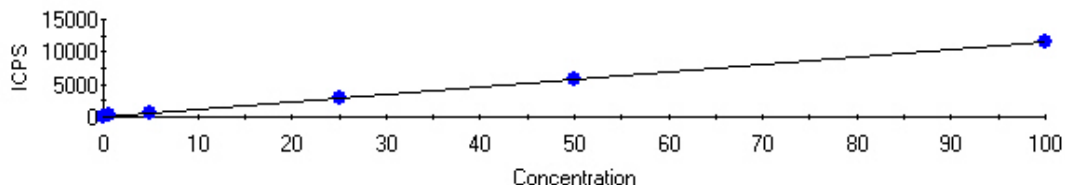
**9Be FQ Block 1**



Intercept CPS=102.943185 Intercept Conc=0.157845  
Sensitivity=652.176971 Correlation Coeff=0.999986

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	-0.143	0.143	9.54	0.00
std2	0.500	0.824	0.324	640.34	64.80
std3	5.000	5.017	0.017	3375.04	0.34
std4	25.000	24.893	0.107	16337.39	0.43
std5	50.000	49.770	0.230	32561.76	0.46
std6	100.000	100.139	0.139	65411.53	0.14

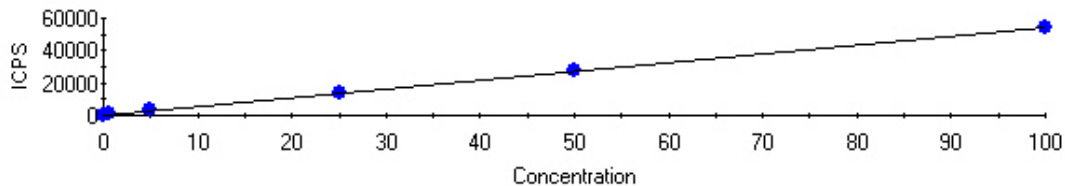
**10B FQ Block 1**



Intercept CPS=104.369030 Intercept Conc=0.911872  
Sensitivity=114.455776 Correlation Coeff=0.999965

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	-0.296	0.296	70.52	0.00
std2	0.500	0.601	0.101	173.19	20.25
std3	5.000	4.917	0.083	667.17	1.66
std4	25.000	24.969	0.031	2962.18	0.13
std5	50.000	50.594	0.594	5895.18	1.19
std6	100.000	99.714	0.286	11517.25	0.29

**11B FQ Block 1**



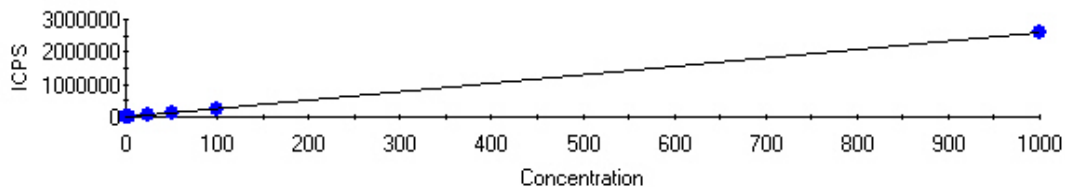
Intercept CPS=361.325365 Intercept Conc=0.670527  
Sensitivity=538.867910 Correlation Coeff=0.999988

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	-0.085	0.085	315.43	0.00
std2	0.500	0.779	0.279	780.88	55.72
std3	5.000	5.003	0.003	3057.53	0.07
std4	25.000	24.912	0.088	13785.46	0.35
std5	50.000	49.742	0.258	27165.56	0.52

6.1  
6

std6 100.000 100.150 0.150 54328.74 0.15

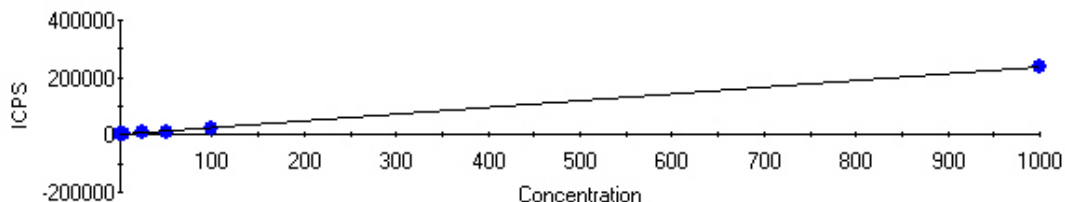
**23Na FQ Block 1**



Intercept CPS=6927.182322 Intercept Conc=2.650919  
Sensitivity=2613.125157 Correlation Coeff=0.999930

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	2.779	2.779	14188.55	0.00
std2	0.500	5.150	4.650	20384.91	930.01
std3	5.000	7.641	2.641	26894.48	52.82
std4	25.000	24.698	0.302	71464.99	1.21
std5	50.000	47.752	2.248	131708.65	4.50
std6	100.000	91.529	8.471	246104.14	8.47
std7	1000.000	1000.952	0.952	2622538.81	0.10

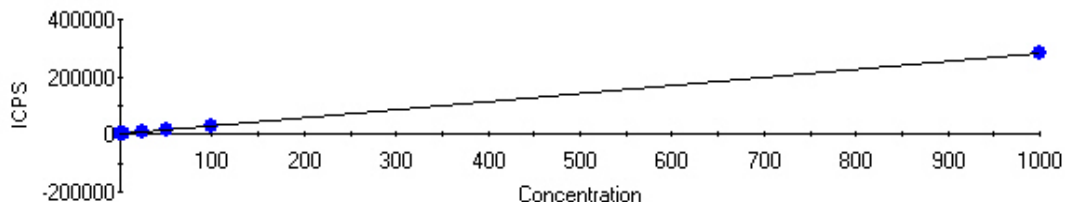
**25Mg FQ Block 1**



Intercept CPS=-71.435265 Intercept Conc=-0.301109  
Sensitivity=237.240792 Correlation Coeff=0.999975

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	0.827	0.827	124.69	0.00
std2	0.500	3.585	3.085	779.06	616.99
std3	5.000	6.138	1.138	1384.80	22.76
std4	25.000	25.501	0.501	5978.51	2.01
std5	50.000	49.147	0.853	11588.29	1.71
std6	100.000	94.754	5.246	22408.11	5.25
std7	1000.000	1000.547	0.547	237299.24	0.05

**26Mg FQ Block 1**



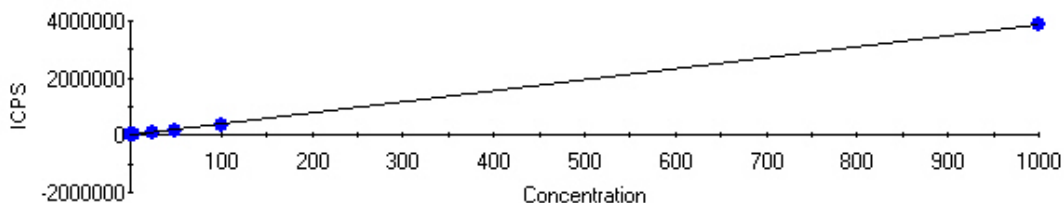
Intercept CPS=-231.497865 Intercept Conc=-0.818871  
Sensitivity=282.703651 Correlation Coeff=0.999970

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	1.324	1.324	142.73	0.00

6.1  
6

std2	0.500	3.989	3.489	896.20	697.80
std3	5.000	6.639	1.639	1645.50	32.79
std4	25.000	24.952	0.048	6822.42	0.19
std5	50.000	48.465	1.535	13469.66	3.07
std6	100.000	94.515	5.485	26488.21	5.49
std7	1000.000	1000.617	0.617	282646.45	0.06

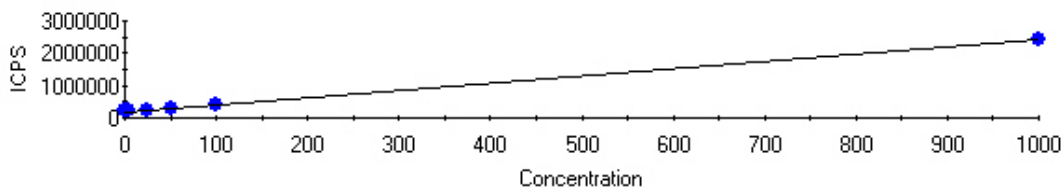
**27Al FQ Block 1**



Intercept CPS=-3985.904283 Intercept Conc=-1.022596  
Sensitivity=3897.827335 Correlation Coeff=0.999953

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	2.625	2.625	6246.88	0.00
std2	0.500	3.922	3.422	11299.99	684.33
std3	5.000	7.285	2.285	24409.08	45.70
std4	25.000	24.878	0.122	92985.99	0.49
std5	50.000	47.931	2.069	182842.15	4.14
std6	100.000	93.072	6.928	358794.24	6.93
std7	1000.000	1000.786	0.786	3896905.50	0.08

**39K FQ Block 1**

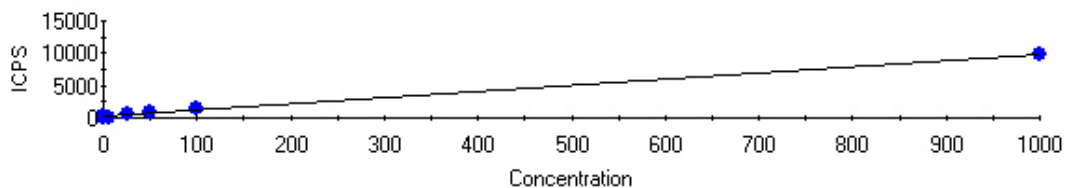


Intercept CPS=196979.885038 Intercept Conc=89.562395  
Sensitivity=2199.359296 Correlation Coeff=0.999912

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	3.449	3.449	204564.81	0.00
std2	0.500	4.923	4.423	207807.72	884.64
std3	5.000	7.130	2.130	212662.37	42.61
std4	25.000	25.980	0.980	254118.19	3.92
std5	50.000	48.055	1.945	302670.69	3.89
std6	100.000	89.892	10.108	394685.10	10.11
std7	1000.000	1001.071	1.071	2398693.96	0.11



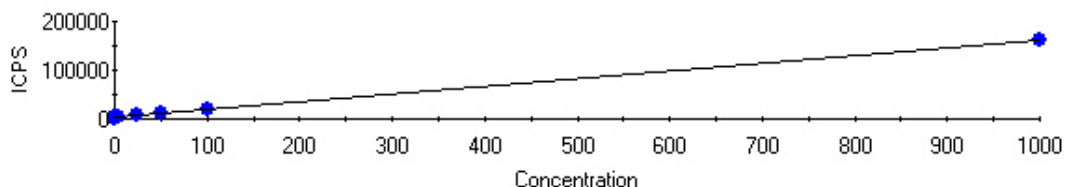
**43Ca FQ Block 1**



Intercept CPS=247.828111 Intercept Conc=25.658470  
Sensitivity=9.658725 Correlation Coeff=0.999055

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	-21.125	21.125	43.79	0.00
std2	0.500	3.217	2.717	278.90	543.47
std3	5.000	-10.738	15.738	144.11	314.76
std4	25.000	24.699	0.301	486.39	1.21
std5	50.000	60.905	10.905	836.09	21.81
std6	100.000	126.669	26.669	1471.29	26.67
std7	1000.000	996.873	3.127	9876.35	0.31

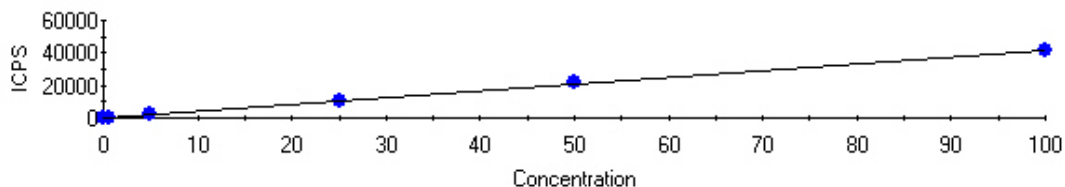
**44Ca FQ Block 1**



Intercept CPS=3360.008893 Intercept Conc=21.100733  
Sensitivity=159.236596 Correlation Coeff=0.999670

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	-14.182	14.182	1101.79	0.00
std2	0.500	8.473	7.973	4709.22	1594.60
std3	5.000	-2.799	7.799	2914.36	155.97
std4	25.000	20.763	4.237	6666.29	16.95
std5	50.000	59.212	9.212	12788.74	18.42
std6	100.000	110.391	10.391	20938.22	10.39
std7	1000.000	998.641	1.359	162380.25	0.14

**47Ti FQ Block 1**

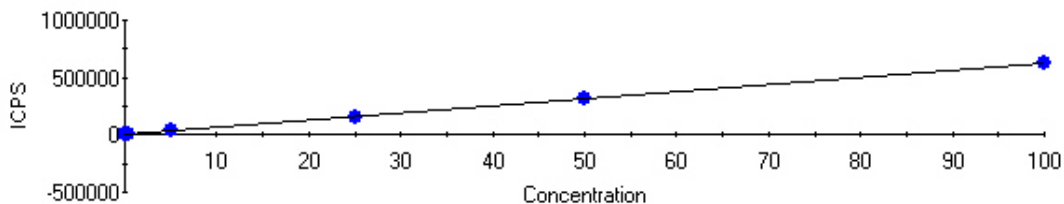


Intercept CPS=250.913065 Intercept Conc=0.600959  
Sensitivity=417.520923 Correlation Coeff=0.999860

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	-0.503	0.503	40.84	0.00
std2	0.500	0.563	0.063	486.12	12.67
std3	5.000	4.574	0.426	2160.48	8.53

std4	25.000	25.403	0.403	10857.38	1.61
std5	50.000	51.085	1.085	21580.09	2.17
std6	100.000	99.378	0.622	41743.10	0.62

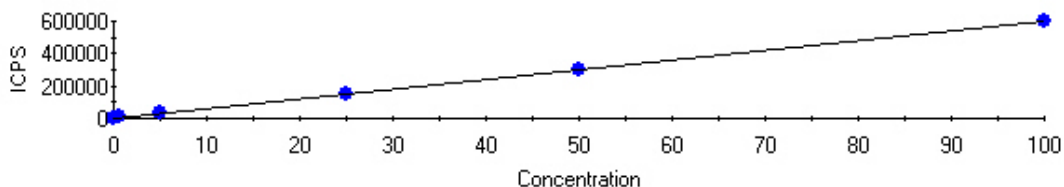
**51V FQ Block 1**



Intercept CPS=321.205333 Intercept Conc=0.051432  
Sensitivity=6245.250312 Correlation Coeff=0.999982

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	-0.080	0.080	-177.61	0.00
std2	0.500	0.893	0.393	5900.50	78.67
std3	5.000	4.815	0.185	30390.51	3.71
std4	25.000	24.741	0.259	154836.83	1.03
std5	50.000	50.117	0.117	313314.23	0.23
std6	100.000	100.013	0.013	624930.45	0.01

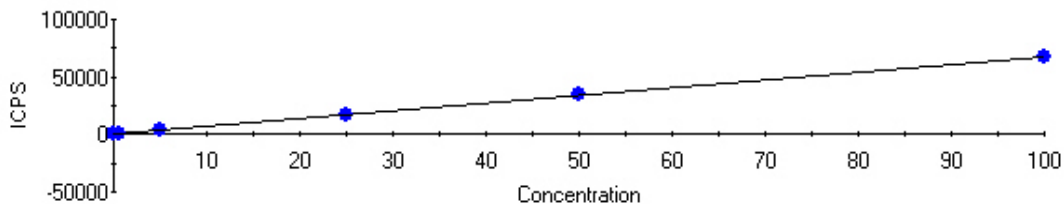
**52Cr FQ Block 1**



Intercept CPS=4430.906365 Intercept Conc=0.747909  
Sensitivity=5924.394435 Correlation Coeff=0.999985

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	-0.150	0.150	3540.07	0.00
std2	0.500	0.878	0.378	9632.93	75.61
std3	5.000	4.895	0.105	33429.68	2.10
std4	25.000	24.790	0.210	151294.92	0.84
std5	50.000	50.064	0.064	301027.88	0.13
std6	100.000	100.024	0.024	597013.15	0.02

**53Cr FQ Block 1**

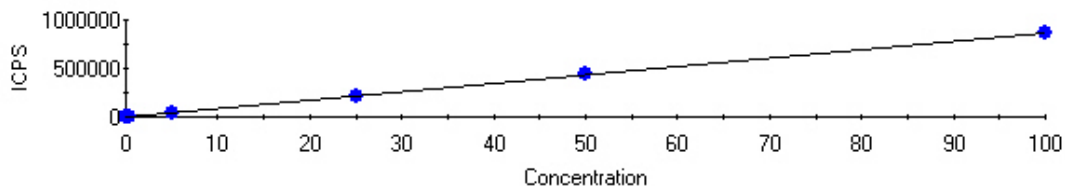


Intercept CPS=147.650461 Intercept Conc=0.221139  
Sensitivity=667.682925 Correlation Coeff=0.999935

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	-0.296	0.296	-50.02	0.00

std2	0.500	0.833	0.333	703.77	66.58
std3	5.000	4.763	0.237	3327.93	4.74
std4	25.000	24.743	0.257	16668.27	1.03
std5	50.000	50.765	0.765	34042.43	1.53
std6	100.000	99.692	0.308	66710.28	0.31

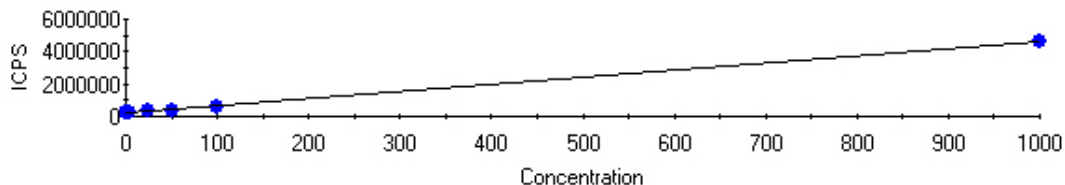
**55Mn FQ Block 1**



Intercept CPS=1185.711441 Intercept Conc=0.136556  
Sensitivity=8682.986593 Correlation Coef=0.999976

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	-0.104	0.104	279.56	0.00
std2	0.500	0.930	0.430	9262.12	86.03
std3	5.000	4.940	0.060	44082.49	1.19
std4	25.000	24.603	0.397	214815.32	1.59
std5	50.000	50.061	0.061	435866.95	0.12
std6	100.000	100.069	0.069	870086.91	0.07

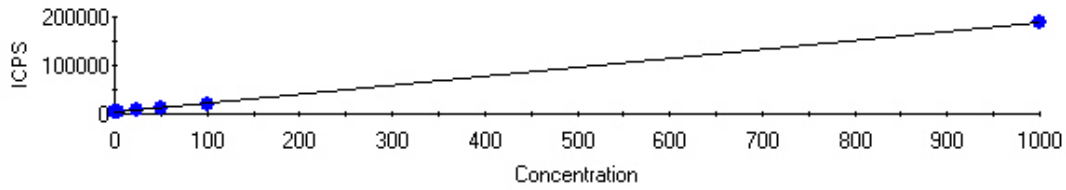
**56Fe FQ Block 1**



Intercept CPS=179081.783657 Intercept Conc=40.532878  
Sensitivity=4418.185734 Correlation Coef=0.999902

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	2.275	2.275	189132.64	0.00
std2	0.500	4.679	4.179	199755.10	835.83
std3	5.000	8.964	3.964	218687.49	79.28
std4	25.000	26.442	1.442	295906.44	5.77
std5	50.000	47.579	2.421	389292.97	4.84
std6	100.000	89.442	10.558	574255.22	10.56
std7	1000.000	1001.119	1.119	4602210.88	0.11

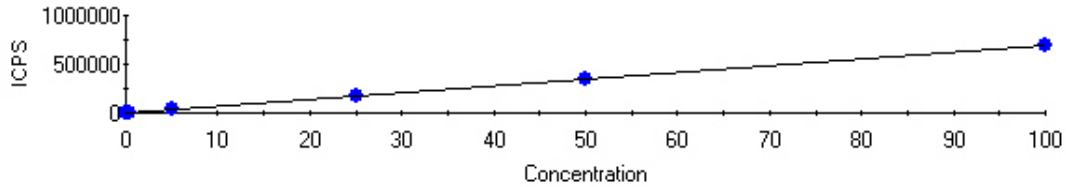
**57Fe FQ Block 1**



Intercept CPS=1981.158193 Intercept Conc=10.656313  
Sensitivity=185.914034 Correlation Coef=0.999978

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	1.395	1.395	2240.47	0.00
std2	0.500	2.169	1.669	2384.47	333.87
std3	5.000	7.498	2.498	3375.08	49.95
std4	25.000	25.332	0.332	6690.65	1.33
std5	50.000	48.279	1.721	10956.97	3.44
std6	100.000	95.292	4.708	19697.29	4.71
std7	1000.000	1000.535	0.535	187994.70	0.05

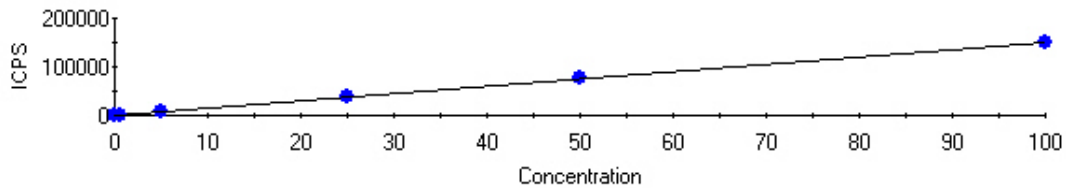
**59Co FQ Block 1**



Intercept CPS=683.343750 Intercept Conc=0.097516  
Sensitivity=7007.500528 Correlation Coef=0.999983

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	-0.094	0.094	25.54	0.00
std2	0.500	0.901	0.401	6999.75	80.28
std3	5.000	4.881	0.119	34886.72	2.38
std4	25.000	24.737	0.263	174028.24	1.05
std5	50.000	50.010	0.010	351125.54	0.02
std6	100.000	100.065	0.065	701888.11	0.06

**60Ni FQ Block 1**

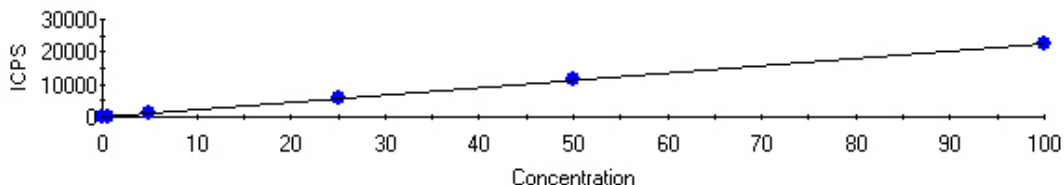


Intercept CPS=525.538493 Intercept Conc=0.349729  
Sensitivity=1502.701472 Correlation Coef=0.999979

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	-0.241	0.241	163.08	0.00
std2	0.500	0.830	0.330	1772.29	65.93
std3	5.000	4.824	0.176	7774.74	3.52
std4	25.000	24.893	0.107	37931.76	0.43

std5	50.000	50.322	0.322	76143.82	0.64
std6	100.000	99.873	0.127	150605.15	0.13

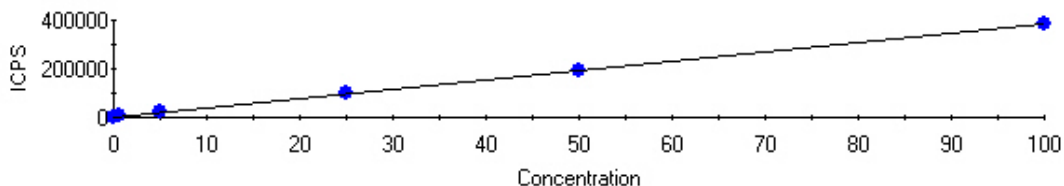
**62Ni FQ Block 1**



Intercept CPS=110.671231 Intercept Conc=0.491317  
Sensitivity=225.254031 Correlation Coeff=0.999866

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	-0.348	0.348	32.37	0.00
std2	0.500	0.613	0.113	248.86	22.70
std3	5.000	4.816	0.184	1195.44	3.69
std4	25.000	24.721	0.279	5679.23	1.12
std5	50.000	51.238	1.238	11652.14	2.48
std6	100.000	99.460	0.540	22514.34	0.54

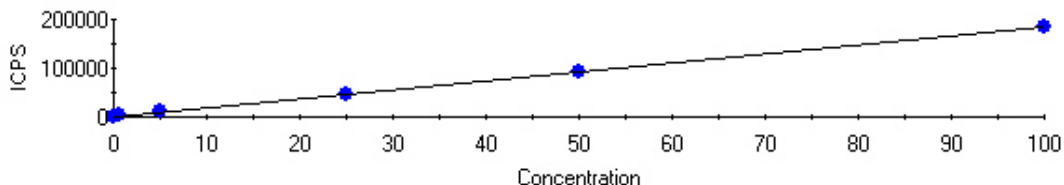
**63Cu FQ Block 1**



Intercept CPS=1250.852926 Intercept Conc=0.325949  
Sensitivity=3837.574452 Correlation Coeff=0.999985

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	-0.244	0.244	315.24	0.00
std2	0.500	0.830	0.330	4434.18	65.90
std3	5.000	4.875	0.125	19958.55	2.50
std4	25.000	24.924	0.076	96896.92	0.31
std5	50.000	50.184	0.184	193836.65	0.37
std6	100.000	99.932	0.068	384745.77	0.07

**65Cu FQ Block 1**

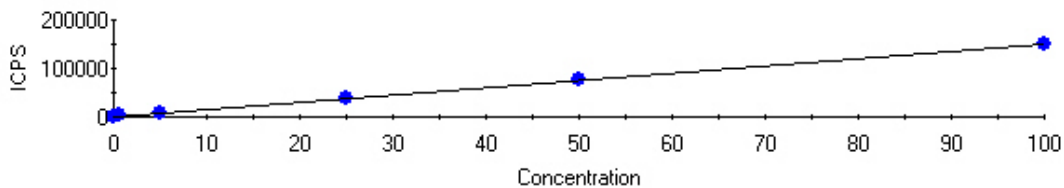


Intercept CPS=696.890608 Intercept Conc=0.379121  
Sensitivity=1838.172826 Correlation Coeff=0.999983

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	-0.319	0.319	111.36	0.00
std2	0.500	0.794	0.294	2157.23	58.89

std3	5.000	4.874	0.126	9656.80	2.51
std4	25.000	25.044	0.044	46732.64	0.18
std5	50.000	50.223	0.223	93016.16	0.45
std6	100.000	99.882	0.118	184297.34	0.12

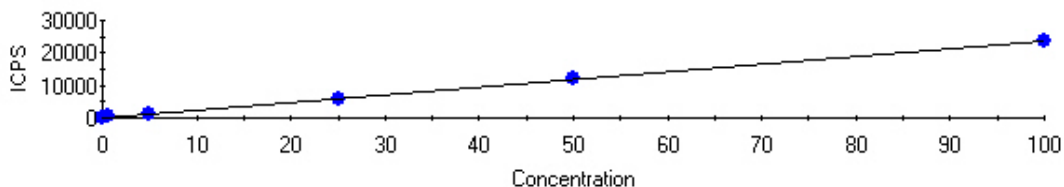
**66Zn FQ Block 1**



Intercept CPS=1327.802641 Intercept Conc=0.886851  
Sensitivity=1497.211197 Correlation Coeff=0.999931

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	-0.525	0.525	541.62	0.00
std2	0.500	1.018	0.518	2852.45	103.67
std3	5.000	4.819	0.181	8543.48	3.61
std4	25.000	24.826	0.174	38497.26	0.70
std5	50.000	50.623	0.623	77121.36	1.25
std6	100.000	99.738	0.262	150657.27	0.26

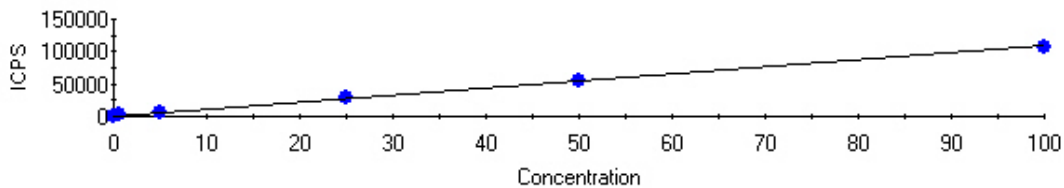
**67Zn FQ Block 1**



Intercept CPS=194.702443 Intercept Conc=0.822039  
Sensitivity=236.853050 Correlation Coeff=0.999918

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	-0.496	0.496	77.19	0.00
std2	0.500	1.031	0.531	438.84	106.16
std3	5.000	4.777	0.223	1326.07	4.47
std4	25.000	24.748	0.252	6056.45	1.01
std5	50.000	50.738	0.738	12212.06	1.48
std6	100.000	99.703	0.297	23809.57	0.30

**68Zn FQ Block 1**

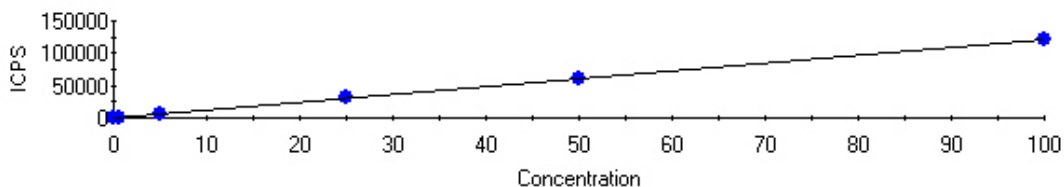


Intercept CPS=1082.190935 Intercept Conc=1.008882  
Sensitivity=1072.663510 Correlation Coeff=0.999879

Label	Defined	Measured	Error	Mean CPS	% Error
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std1	0.000	-0.635	0.635	400.68	0.00
std2	0.500	0.852	0.352	1996.34	70.44
std3	5.000	4.716	0.284	6140.40	5.69
std4	25.000	25.072	0.072	27975.66	0.29
std5	50.000	51.003	1.003	55790.94	2.01
std6	100.000	99.493	0.507	107804.90	0.51

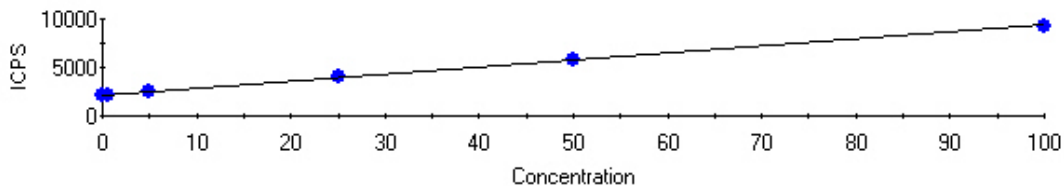
**75As FQ Block 1**



Intercept CPS=380.028112 Intercept Conc=0.315090  
Sensitivity=1206.095000 Correlation Coeff=0.999982

Label	Defined	Measured	Error	Mean CPS	% Error
std1	0.000	-0.216	0.216	119.42	0.00
std2	0.500	0.767	0.267	1305.45	53.46
std3	5.000	4.873	0.127	6257.69	2.53
std4	25.000	24.873	0.127	30378.68	0.51
std5	50.000	50.332	0.332	61085.40	0.66
std6	100.000	99.871	0.129	120833.68	0.13

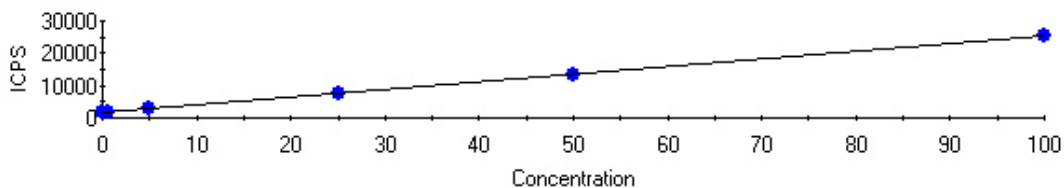
**77Se FQ Block 1**



Intercept CPS=2139.169008 Intercept Conc=29.740914  
Sensitivity=71.926809 Correlation Coeff=0.999923

Label	Defined	Measured	Error	Mean CPS	% Error
std1	0.000	-0.210	0.210	2124.07	0.00
std2	0.500	0.917	0.417	2205.12	83.39
std3	5.000	4.266	0.734	2446.02	14.68
std4	25.000	25.332	0.332	3961.21	1.33
std5	50.000	50.486	0.486	5770.50	0.97
std6	100.000	99.708	0.292	9310.88	0.29

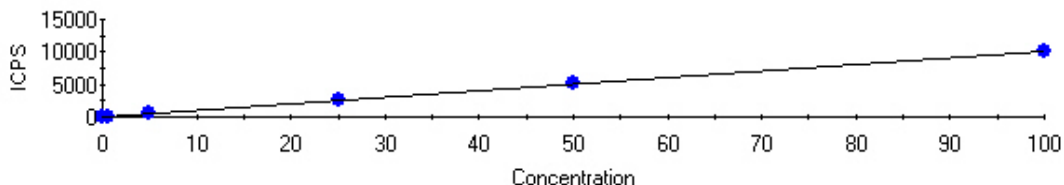
**78Se FQ Block 1**



Intercept CPS=1549.228820 Intercept Conc=6.519791  
Sensitivity=237.619392 Correlation Coeff=0.999973

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	-0.290	0.290	1480.42	0.00
std2	0.500	0.729	0.229	1722.41	45.76
std3	5.000	4.844	0.156	2700.29	3.12
std4	25.000	24.976	0.024	7484.08	0.09
std5	50.000	50.456	0.456	13538.45	0.91
std6	100.000	99.785	0.215	25260.03	0.22

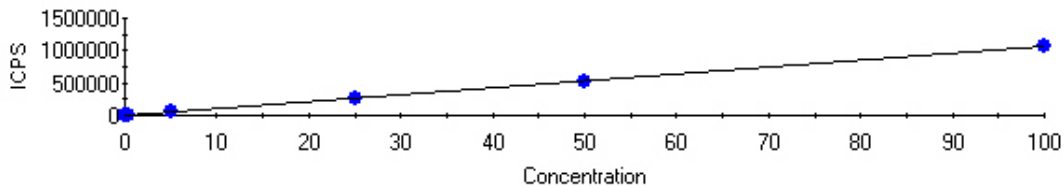
**82Se FQ Block 1**



Intercept CPS=26.933741 Intercept Conc=0.267327  
Sensitivity=100.751905 Correlation Coeff=0.999959

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	-0.201	0.201	6.73	0.00
std2	0.500	0.794	0.294	106.90	58.73
std3	5.000	4.743	0.257	504.76	5.15
std4	25.000	24.809	0.191	2526.48	0.76
std5	50.000	50.592	0.592	5124.21	1.18
std6	100.000	99.763	0.237	10078.25	0.24

**88Sr FQ Block 1**



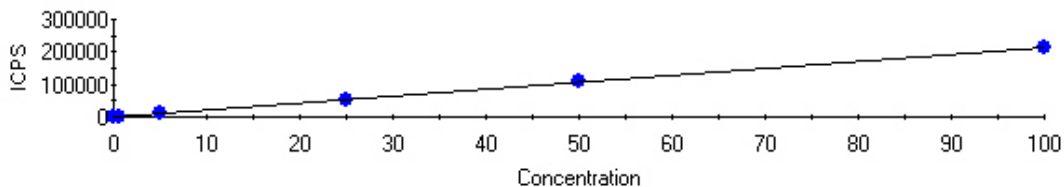
Intercept CPS=2075.064259 Intercept Conc=0.194459  
Sensitivity=10670.958894 Correlation Coeff=0.999982

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	-0.186	0.186	92.43	0.00
std2	0.500	0.872	0.372	11381.29	74.42
std3	5.000	4.796	0.204	53252.43	4.08
std4	25.000	25.147	0.147	270414.10	0.59
std5	50.000	49.799	0.201	533475.99	0.40



std6 100.000 100.072 0.072 1069942.21 0.07

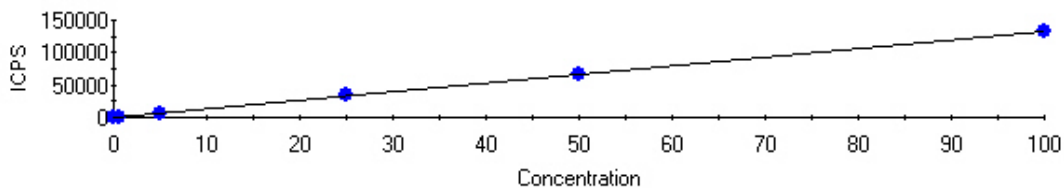
**95Mo FQ Block 1**



Intercept CPS=617.628459 Intercept Conc=0.292321  
Sensitivity=2112.844876 Correlation Coeff=0.999959

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	-0.251	0.251	87.67	0.00
std2	0.500	0.766	0.266	2236.89	53.28
std3	5.000	4.527	0.473	10183.06	9.45
std4	25.000	25.409	0.409	54302.15	1.63
std5	50.000	50.257	0.257	106802.35	0.51
std6	100.000	99.792	0.208	211462.15	0.21

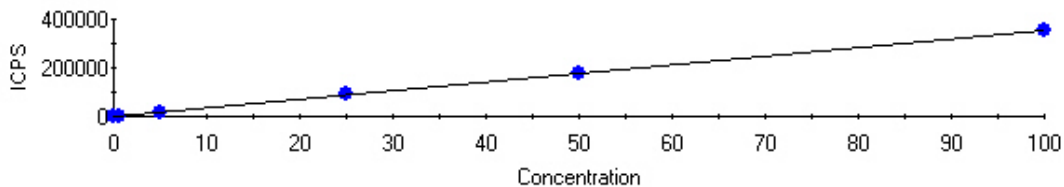
**97Mo FQ Block 1**



Intercept CPS=336.002821 Intercept Conc=0.251155  
Sensitivity=1337.827902 Correlation Coeff=0.999974

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	-0.212	0.212	52.35	0.00
std2	0.500	0.800	0.300	1406.79	60.08
std3	5.000	4.653	0.347	6560.57	6.95
std4	25.000	25.368	0.368	34274.67	1.47
std5	50.000	49.933	0.067	67138.22	0.13
std6	100.000	99.957	0.043	134061.36	0.04

**98Mo FQ Block 1**

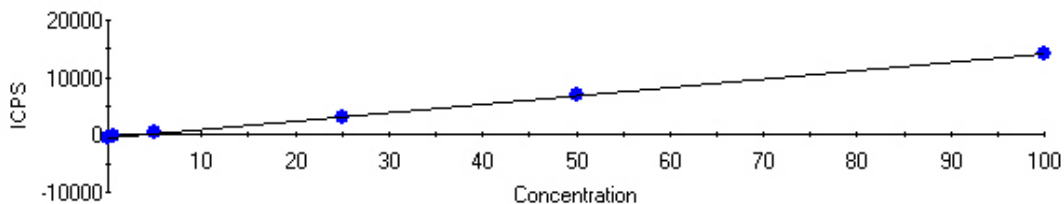


Intercept CPS=634.009695 Intercept Conc=0.181182  
Sensitivity=3499.297069 Correlation Coeff=0.999984

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	-0.141	0.141	139.83	0.00
std2	0.500	0.816	0.316	3489.18	63.19
std3	5.000	4.682	0.318	17019.39	6.35

std4	25.000	25.144	0.144	88621.69	0.58
std5	50.000	50.040	0.040	175740.44	0.08
std6	100.000	99.958	0.042	350416.64	0.04

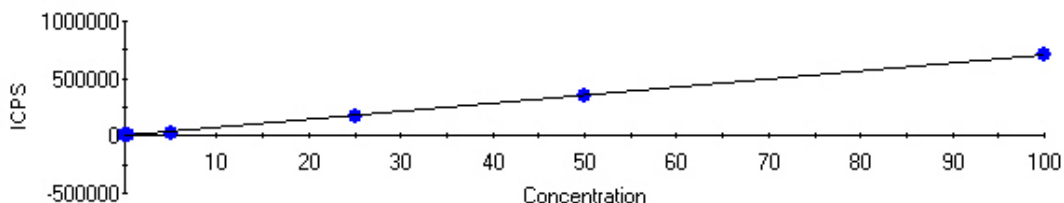
**106Cd FQ Block 1**



Intercept CPS=-444.966001 Intercept Conc=-3.063328  
Sensitivity=145.255764 Correlation Coef=0.999935

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	-0.506	0.506	-518.53	0.00
std2	0.500	0.878	0.378	-317.41	75.63
std3	5.000	5.190	0.190	308.87	3.79
std4	25.000	24.548	0.452	3120.74	1.81
std5	50.000	50.578	0.578	6901.80	1.16
std6	100.000	99.813	0.187	14053.39	0.19

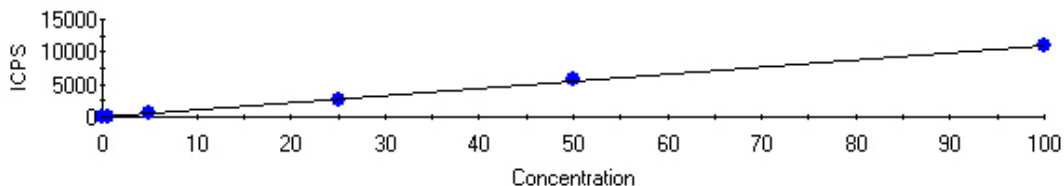
**107Ag FQ Block 1**



Intercept CPS=-1795.028062 Intercept Conc=-0.252985  
Sensitivity=7095.397874 Correlation Coef=0.999878

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	0.403	0.403	1064.56	0.00
std2	0.500	1.279	0.779	7276.84	155.71
std3	5.000	4.464	0.536	29881.87	10.71
std4	25.000	24.124	0.876	169371.69	3.51
std5	50.000	49.977	0.023	352810.12	0.05
std6	100.000	100.254	0.254	709544.07	0.25

**108Cd FQ Block 1**

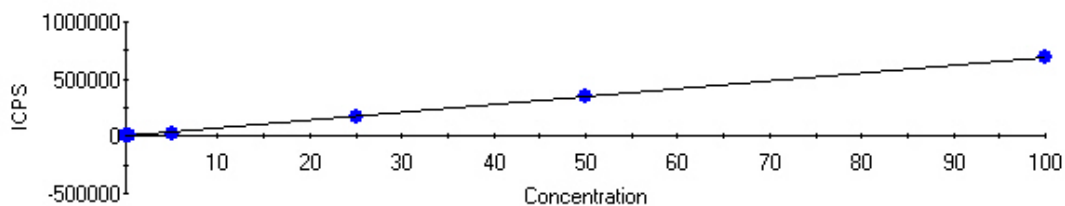


Intercept CPS=10.585674 Intercept Conc=0.096000  
Sensitivity=110.267696 Correlation Coef=0.999865

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	-0.088	0.088	0.93	0.00

std2	0.500	1.000	0.500	120.86	100.00
std3	5.000	4.580	0.420	515.61	8.40
std4	25.000	24.299	0.701	2689.96	2.80
std5	50.000	51.030	1.030	5637.52	2.06
std6	100.000	99.679	0.321	11001.95	0.32

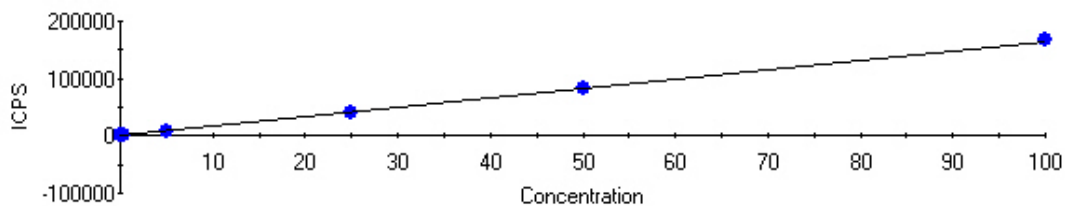
**109Ag FQ Block 1**



Intercept CPS=-2017.771869 Intercept Conc=-0.292511  
Sensitivity=6898.098520 Correlation Coeff=0.999865

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	0.440	0.440	1019.32	0.00
std2	0.500	1.312	0.812	7033.89	162.44
std3	5.000	4.462	0.538	28761.89	10.76
std4	25.000	24.080	0.920	164089.35	3.68
std5	50.000	49.905	0.095	342232.38	0.19
std6	100.000	100.300	0.300	689863.33	0.30

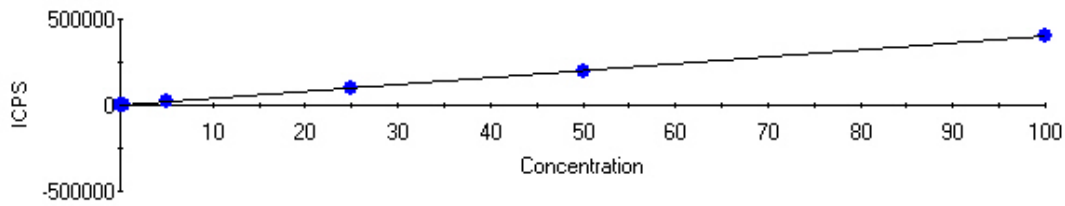
**111Cd FQ Block 1**



Intercept CPS=-190.185926 Intercept Conc=-0.114663  
Sensitivity=1658.647587 Correlation Coeff=0.999977

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	-0.100	0.100	-355.93	0.00
std2	0.500	0.946	0.446	1378.89	89.20
std3	5.000	4.972	0.028	8056.50	0.56
std4	25.000	24.706	0.294	40788.41	1.18
std5	50.000	49.807	0.193	82421.42	0.39
std6	100.000	100.169	0.169	165955.49	0.17

**114Cd FQ Block 1**

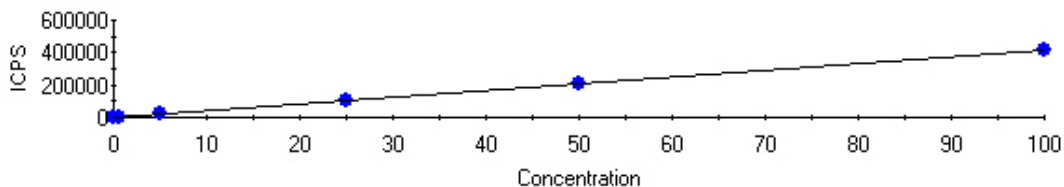


Intercept CPS=-291.915871 Intercept Conc=-0.072862  
Sensitivity=4006.448618 Correlation Coeff=0.999981

6.1  
6

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	-0.071	0.071	-576.18	0.00
std2	0.500	0.927	0.427	3420.56	85.33
std3	5.000	4.865	0.135	19199.87	2.70
std4	25.000	24.734	0.266	98802.04	1.07
std5	50.000	49.949	0.051	199825.38	0.10
std6	100.000	100.097	0.097	400740.80	0.10

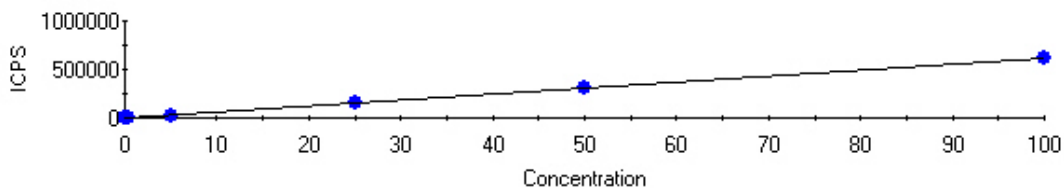
**118Sn FQ Block 1**



Intercept CPS=993.462274 Intercept Conc=0.241229  
Sensitivity=4118.329388 Correlation Coef=0.999975

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	-0.177	0.177	262.52	0.00
std2	0.500	0.749	0.249	4079.05	49.85
std3	5.000	4.622	0.378	20028.61	7.56
std4	25.000	25.183	0.183	104706.72	0.73
std5	50.000	50.302	0.302	208154.04	0.60
std6	100.000	99.821	0.179	412088.28	0.18

**121Sb FQ Block 1**

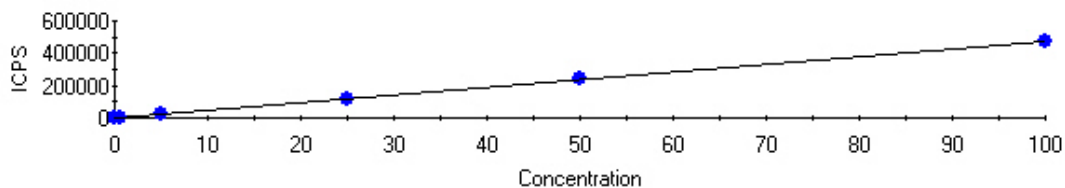


Intercept CPS=867.175692 Intercept Conc=0.142087  
Sensitivity=6103.120417 Correlation Coef=0.999908

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	0.005	0.005	898.03	0.00
std2	0.500	0.973	0.473	6806.12	94.62
std3	5.000	4.462	0.538	28097.40	10.77
std4	25.000	24.525	0.475	150548.03	1.90
std5	50.000	50.783	0.783	310803.55	1.57
std6	100.000	99.752	0.248	609663.16	0.25

6.1  
6

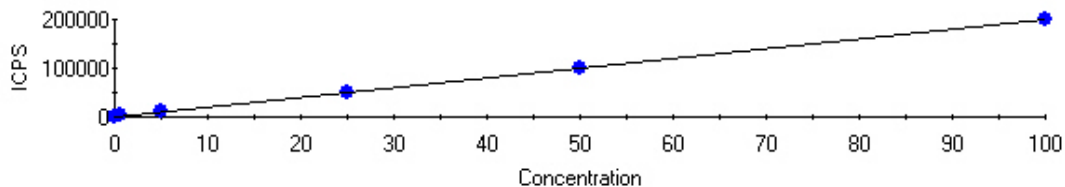
**123Sb FQ Block 1**



Intercept CPS=871.992134 Intercept Conc=0.185481  
Sensitivity=4701.247899 Correlation Coeff=0.999903

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	-0.033	0.033	718.74	0.00
std2	0.500	0.990	0.490	5524.58	97.93
std3	5.000	4.499	0.501	22023.97	10.02
std4	25.000	24.483	0.517	115972.61	2.07
std5	50.000	50.818	0.818	239778.93	1.64
std6	100.000	99.743	0.257	469788.36	0.26

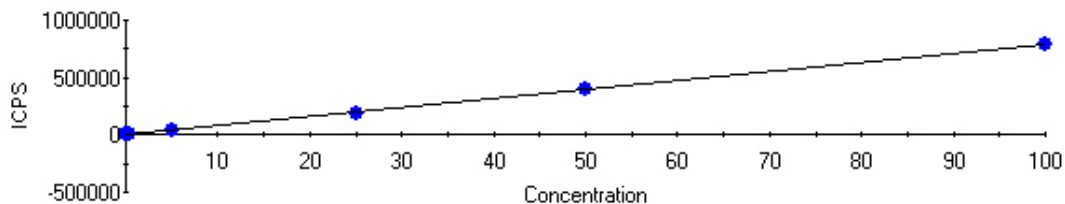
**137Ba FQ Block 1**



Intercept CPS=413.522391 Intercept Conc=0.208766  
Sensitivity=1980.793084 Correlation Coeff=0.999988

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	-0.194	0.194	29.53	0.00
std2	0.500	0.855	0.355	2106.63	70.95
std3	5.000	4.942	0.058	10201.82	1.17
std4	25.000	24.874	0.126	49683.02	0.51
std5	50.000	49.982	0.018	99418.02	0.04
std6	100.000	100.042	0.042	198575.26	0.04

**203Tl FQ Block 1**



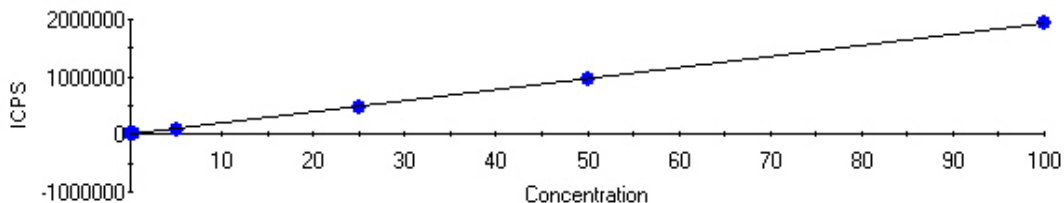
Intercept CPS=-58.552869 Intercept Conc=-0.007411  
Sensitivity=7901.020989 Correlation Coeff=0.999959

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	0.029	0.029	173.31	0.00
std2	0.500	0.985	0.485	7727.60	97.09
std3	5.000	4.954	0.046	39079.67	0.93
std4	25.000	24.393	0.607	192672.66	2.43
std5	50.000	49.974	0.026	394784.39	0.05

6.1  
6

std6 100.000 100.165 0.165 791345.34 0.16

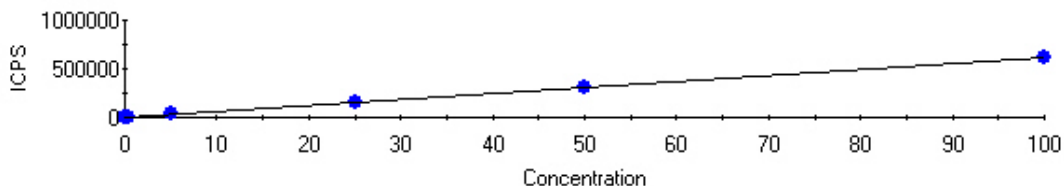
**205Tl FQ Block 1**



Intercept CPS=-4780.116610 Intercept Conc=0.247054  
Sensitivity=19348.473236 Correlation Coeff=0.999867

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	0.265	0.265	340.51	0.00
std2	0.500	1.209	0.709	18612.83	141.81
std3	5.000	5.008	0.008	92109.23	0.15
std4	25.000	24.137	0.863	462227.16	3.45
std5	50.000	49.340	0.660	949879.62	1.32
std6	100.000	100.542	0.542	1940549.36	0.54

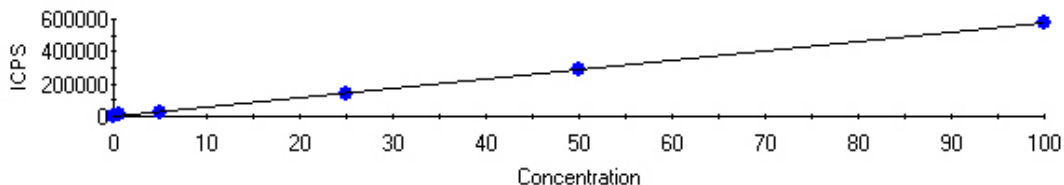
**206Pb FQ Block 1**



Intercept CPS=303.639936 Intercept Conc=0.049207  
Sensitivity=6170.625301 Correlation Coeff=0.999974

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	-0.041	0.041	52.29	0.00
std2	0.500	0.963	0.463	6245.54	92.59
std3	5.000	4.917	0.083	30644.92	1.66
std4	25.000	24.635	0.365	152317.50	1.46
std5	50.000	49.865	0.135	308003.16	0.27
std6	100.000	100.160	0.160	618356.29	0.16

**207Pb FQ Block 1**

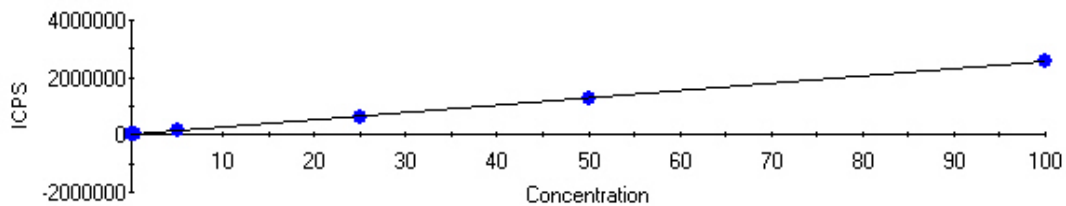


Intercept CPS=251.890725 Intercept Conc=0.044079  
Sensitivity=5714.543264 Correlation Coeff=0.999968

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	-0.039	0.039	31.26	0.00
std2	0.500	0.974	0.474	5817.07	94.77
std3	5.000	4.983	0.017	28729.23	0.33

std4	25.000	24.546	0.454	140522.90	1.81
std5	50.000	49.846	0.154	285101.66	0.31
std6	100.000	100.189	0.189	572784.29	0.19

**208Pb FQ Block 1**



Intercept CPS=-304.852732 Intercept Conc=-0.011866  
 Sensitivity=25690.840285 Correlation Coeff=0.999960

Label	Defined	Measured	Error	Mean CPS	% Error
std1 1	0.000	0.019	0.019	184.89	0.00
std2	0.500	1.013	0.513	25721.79	102.61
std3	5.000	4.951	0.049	126887.64	0.98
std4	25.000	24.507	0.493	629308.10	1.97
std5	50.000	49.773	0.227	1278411.39	0.45
std6	100.000	100.236	0.236	2574853.76	0.24

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Dilution Corrected Concentrations

std1 1 5/7/2011 14:54:11

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:55:16	99.196%	-0.149	-0.183	0.002	0.000	2.787	0.773	1.316	2.707	±0.000
2	14:56:22	101.701%	-0.145	-0.347	-0.133	0.000	2.719	0.884	1.388	2.619	±0.000
3	14:57:27	99.102%	-0.136	-0.358	-0.125	0.000	2.830	0.824	1.268	2.550	±0.000
x		100.000%	-0.143	-0.296	-0.085	0.000	2.779	0.827	1.324	2.625	±0.000
σ		1.474%	0.007	0.098	0.076	0.000	0.056	0.056	0.060	0.079	±0.000
%RSD		1.474	4.746	33.150	89.010	0.000	2.023	6.721	4.564	3.001	±0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:55:16	3.954	-20.630	-14.610	100.032%	-0.532	-0.095	-0.151	-0.420	191.700	-0.104
2	14:56:22	3.031	-20.970	-13.770	100.874%	-0.445	-0.135	-0.169	-0.205	190.200	-0.103
3	14:57:27	3.361	-21.780	-14.170	99.094%	-0.532	-0.010	-0.130	-0.264	182.600	-0.107
x		3.449	-21.130	-14.180	100.000%	-0.503	-0.080	-0.150	-0.296	188.200	-0.104
σ		0.468	0.590	0.416	0.891%	0.050	0.063	0.020	0.111	4.879	0.002
%RSD		13.560	2.794	2.936	0.891	10.000	79.380	13.000	37.550	2.593	1.821
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:55:16	2.469	1.014	-0.094	-0.249	-0.352	-0.242	-0.312	-0.518	-0.399	-0.649
2	14:56:22	2.522	1.475	-0.094	-0.262	-0.341	-0.245	-0.324	-0.515	-0.561	-0.602
3	14:57:27	1.834	1.695	-0.093	-0.213	-0.350	-0.245	-0.319	-0.542	-0.528	-0.655
x		2.275	1.395	-0.094	-0.241	-0.348	-0.244	-0.319	-0.525	-0.496	-0.635
σ		0.383	0.347	0.000	0.025	0.006	0.002	0.006	0.015	0.085	0.029
%RSD		16.840	24.890	0.486	10.440	1.621	0.746	1.865	2.869	17.200	4.523
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:55:16	-0.230	0.168	-0.487	0.000	0.000	-0.225	-0.187	99.758%	-0.250	-0.208
2	14:56:22	-0.234	-0.456	-0.335	0.000	0.000	-0.190	-0.186	102.187%	-0.253	-0.212
3	14:57:27	-0.184	-0.342	-0.047	0.000	0.000	-0.187	-0.185	98.054%	-0.250	-0.216
x		-0.216	-0.210	-0.290	0.000	0.000	-0.201	-0.186	100.000%	-0.251	-0.212
σ		0.027	0.333	0.224	0.000	0.000	0.021	0.001	2.077%	0.002	0.004
%RSD		12.710	158.400	77.210	0.000	0.000	10.580	0.704	2.077	0.644	1.918
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:55:16	-0.135	99.410%	-0.186	0.399	0.211	-0.096	0.444	-0.082	-0.058	99.920%
2	14:56:22	-0.140	102.395%	-0.627	0.407	0.242	-0.071	0.444	-0.105	-0.080	101.818%
3	14:57:27	-0.149	98.194%	-0.706	0.403	0.245	-0.096	0.433	-0.113	-0.075	98.262%
x		-0.141	100.000%	-0.506	0.403	0.233	-0.088	0.440	-0.100	-0.071	100.000%
σ		0.007	2.162%	0.280	0.004	0.019	0.015	0.006	0.016	0.011	1.780%
%RSD		4.869	2.162	55.300	1.101	8.062	16.730	1.362	15.850	15.900	1.780
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:55:16	-0.176	0.008	-0.041	-0.187	99.043%	99.116%	0.031	0.265	-0.042	-0.038
2	14:56:22	-0.191	0.005	-0.040	-0.196	102.060%	102.089%	0.029	0.264	-0.039	-0.037
3	14:57:27	-0.166	0.002	-0.016	-0.199	98.898%	98.795%	0.028	0.265	-0.041	-0.042
x		-0.178	0.005	-0.033	-0.194	100.000%	100.000%	0.029	0.265	-0.041	-0.039
σ		0.013	0.003	0.014	0.006	1.785%	1.816%	0.002	0.001	0.001	0.003
%RSD		7.112	63.240	43.560	3.123	1.785	1.816	5.154	0.287	3.269	6.642
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	14:55:16	0.019	99.741%	0.000	0.000						
2	14:56:22	0.019	102.132%	0.000	0.000						
3	14:57:27	0.018	98.128%	0.000	0.000						
x		0.019	100.000%	0.000	0.000						
σ		0.001	2.015%	0.000	0.000						
%RSD		3.695	2.015	0.000	0.000						

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std2 5/7/2011 14:58:29

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:59:35	101.370%	0.777	0.841	0.862	0.000	5.282	3.343	3.787	4.192	±0.000
2	15:00:40	102.395%	0.775	0.479	0.692	0.000	5.208	3.863	4.264	3.855	±0.000
3	15:01:45	103.770%	0.919	0.484	0.782	0.000	4.960	3.549	3.916	3.717	±0.000
x		102.512%	0.824	0.601	0.779	0.000	5.150	3.585	3.989	3.922	±0.000
σ		1.204%	0.083	0.208	0.085	0.000	0.169	0.262	0.247	0.245	±0.000
%RSD		1.174	10.010	34.530	10.880	0.000	3.272	7.308	6.183	6.234	±0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:59:35	6.937	2.111	8.791	98.948%	0.581	0.917	0.909	0.381	194.300	0.949
2	15:00:40	3.696	2.806	9.020	101.818%	0.555	0.927	0.862	0.814	188.800	0.948
3	15:01:45	4.137	4.736	7.608	103.133%	0.553	0.836	0.863	1.304	185.900	0.894
x		4.923	3.217	8.473	101.299%	0.563	0.893	0.878	0.833	189.600	0.930
σ		1.758	1.360	0.758	2.140%	0.016	0.050	0.027	0.462	4.257	0.031
%RSD		35.700	42.270	8.940	2.113	2.765	5.551	3.056	55.440	2.245	3.381
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:59:35	5.519	2.892	0.925	0.825	0.595	0.856	0.860	1.009	1.073	0.804
2	15:00:40	4.500	1.724	0.897	0.838	0.607	0.839	0.750	1.081	1.138	0.917
3	15:01:45	4.018	1.892	0.883	0.826	0.638	0.793	0.774	0.964	0.882	0.836
x		4.679	2.169	0.901	0.830	0.614	0.830	0.794	1.018	1.031	0.852
σ		0.766	0.631	0.021	0.007	0.022	0.032	0.058	0.059	0.133	0.058
%RSD		16.370	29.110	2.359	0.861	3.626	3.899	7.315	5.803	12.910	6.816
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:59:35	0.745	1.507	0.895	0.000	0.000	0.800	0.905	99.705%	0.829	0.904
2	15:00:40	0.796	0.971	0.658	0.000	0.000	0.840	0.867	101.301%	0.761	0.782
3	15:01:45	0.760	0.273	0.634	0.000	0.000	0.741	0.844	103.598%	0.709	0.715
x		0.767	0.917	0.729	0.000	0.000	0.794	0.872	101.535%	0.766	0.800
σ		0.026	0.619	0.144	0.000	0.000	0.050	0.031	1.957%	0.060	0.096
%RSD		3.447	67.510	19.800	0.000	0.000	6.317	3.533	1.927	7.806	12.010
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:59:35	0.847	99.899%	1.247	1.246	0.188	0.916	1.323	0.924	0.947	99.842%
2	15:00:40	0.832	100.914%	0.542	1.315	0.249	1.135	1.332	0.910	0.908	101.154%
3	15:01:45	0.768	104.178%	0.846	1.275	0.217	0.949	1.281	1.004	0.925	104.089%
x		0.816	101.664%	0.878	1.279	0.218	1.000	1.312	0.946	0.927	101.695%
σ		0.042	2.235%	0.353	0.034	0.030	0.118	0.027	0.051	0.020	2.175%
%RSD		5.122	2.199	40.230	2.691	13.980	11.830	2.094	5.390	2.152	2.138
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:59:35	0.780	1.048	1.041	0.859	99.866%	99.654%	0.971	1.222	0.945	0.984
2	15:00:40	0.792	0.940	0.997	0.878	100.575%	100.764%	1.010	1.229	1.001	0.992
3	15:01:45	0.676	0.931	0.931	0.827	103.674%	103.255%	0.975	1.176	0.943	0.945
x		0.749	0.973	0.990	0.855	101.372%	101.224%	0.986	1.209	0.963	0.974
σ		0.063	0.065	0.056	0.026	2.025%	1.844%	0.022	0.029	0.033	0.025
%RSD		8.463	6.715	5.619	3.013	1.998	1.822	2.185	2.393	3.439	2.573
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	14:59:35	1.009	100.418%	0.000	0.000						
2	15:00:40	1.042	100.386%	0.000	0.000						
3	15:01:45	0.988	103.384%	0.000	0.000						
x		1.013	101.396%	0.000	0.000						
σ		0.027	1.722%	0.000	0.000						
%RSD		2.705	1.698	0.000	0.000						

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std3 5/7/2011 15:02:47

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:03:52	102.777%	5.165	4.854	5.053	0.000	7.562	5.864	6.510	7.376	±0.000
2	15:04:58	103.015%	5.061	5.007	4.937	0.000	7.693	6.149	6.802	7.300	±0.000
3	15:06:03	105.825%	4.826	4.891	5.020	0.000	7.669	6.402	6.606	7.178	±0.000
x		103.872%	5.017	4.917	5.003	0.000	7.641	6.138	6.639	7.285	±0.000
σ		1.695%	0.174	0.080	0.060	0.000	0.070	0.269	0.149	0.100	±0.000
%RSD		1.632	3.464	1.618	1.198	0.000	0.914	4.385	2.245	1.371	±0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:03:52	7.354	-9.004	-2.499	101.159%	4.676	4.727	4.914	5.040	192.300	4.992
2	15:04:58	5.872	-11.470	-2.769	102.083%	4.769	4.781	4.896	4.588	191.400	4.971
3	15:06:03	8.165	-11.740	-3.128	101.845%	4.276	4.936	4.874	4.661	189.100	4.858
x		7.130	-10.740	-2.799	101.695%	4.574	4.815	4.895	4.763	190.900	4.940
σ		1.163	1.508	0.315	0.480%	0.262	0.109	0.020	0.242	1.633	0.072
%RSD		16.300	14.040	11.270	0.472	5.721	2.256	0.413	5.089	0.855	1.460
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:03:52	9.120	8.490	4.841	4.846	4.933	4.911	4.822	4.820	5.156	4.728
2	15:04:58	8.916	6.820	4.940	4.709	4.999	4.908	4.988	4.823	4.646	4.793
3	15:06:03	8.856	7.183	4.862	4.917	4.516	4.807	4.813	4.815	4.527	4.626
x		8.964	7.498	4.881	4.824	4.816	4.875	4.874	4.819	4.777	4.716
σ		0.138	0.879	0.052	0.106	0.262	0.059	0.098	0.004	0.334	0.084
%RSD		1.544	11.720	1.074	2.194	5.433	1.215	2.016	0.079	6.997	1.777
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:03:52	4.929	4.476	4.924	0.000	0.000	4.775	4.777	101.438%	4.566	4.539
2	15:04:58	4.955	3.891	4.797	0.000	0.000	4.906	4.798	102.199%	4.578	4.705
3	15:06:03	4.736	4.431	4.811	0.000	0.000	4.547	4.813	102.482%	4.437	4.714
x		4.873	4.266	4.844	0.000	0.000	4.743	4.796	102.040%	4.527	4.653
σ		0.120	0.326	0.069	0.000	0.000	0.182	0.018	0.540%	0.078	0.098
%RSD		2.461	7.632	1.431	0.000	0.000	3.833	0.383	0.529	1.733	2.113
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:03:52	4.763	101.396%	5.366	4.462	0.143	4.130	4.471	4.938	4.941	102.318%
2	15:04:58	4.650	101.750%	5.401	4.456	0.196	4.927	4.464	4.975	4.871	102.686%
3	15:06:03	4.635	102.143%	4.802	4.476	0.218	4.683	4.451	5.002	4.784	101.656%
x		4.682	101.763%	5.190	4.464	0.186	4.580	4.462	4.972	4.865	102.220%
σ		0.070	0.374%	0.336	0.010	0.038	0.408	0.010	0.032	0.079	0.522%
%RSD		1.499	0.368	6.472	0.228	20.650	8.914	0.233	0.644	1.616	0.510
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:03:52	4.627	4.384	4.494	4.877	101.896%	102.118%	4.972	4.991	4.874	5.038
2	15:04:58	4.620	4.525	4.488	4.991	101.896%	102.403%	4.904	5.040	4.896	4.961
3	15:06:03	4.619	4.477	4.516	4.957	102.510%	102.826%	4.985	4.992	4.981	4.951
x		4.622	4.462	4.499	4.942	102.101%	102.449%	4.954	5.008	4.917	4.983
σ		0.004	0.072	0.015	0.058	0.355%	0.356%	0.043	0.028	0.056	0.048
%RSD		0.097	1.604	0.327	1.184	0.347	0.348	0.877	0.561	1.148	0.959
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	15:03:52	4.950	102.115%	0.000	0.000						
2	15:04:58	4.932	102.163%	0.000	0.000						
3	15:06:03	4.971	102.597%	0.000	0.000						
x		4.951	102.292%	0.000	0.000						
σ		0.020	0.266%	0.000	0.000						
%RSD		0.400	0.260	0.000	0.000						

6.1  
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std4 5/7/2011 15:07:05

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:08:11	103.472%	24.120	24.560	24.340	0.000	24.680	25.650	24.550	24.680	±0.000
2	15:09:16	102.758%	24.540	24.910	24.270	0.000	24.180	24.910	24.200	24.470	±0.000
3	15:10:21	99.594%	26.030	25.440	26.130	0.000	25.230	25.940	26.110	25.480	±0.000
x		101.941%	24.890	24.970	24.910	0.000	24.700	25.500	24.950	24.880	±0.000
σ		2.064%	1.003	0.442	1.057	0.000	0.530	0.531	1.019	0.532	±0.000
%RSD		2.024	4.030	1.769	4.242	0.000	2.144	2.081	4.084	2.138	±0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:08:11	26.450	19.950	20.450	98.326%	25.540	24.750	24.770	24.150	198.400	24.720
2	15:09:16	23.800	24.150	20.180	100.253%	25.120	24.300	24.200	25.160	192.000	24.140
3	15:10:21	27.680	30.000	21.660	97.707%	25.550	25.180	25.400	24.920	197.100	24.950
x		25.980	24.700	20.760	98.762%	25.400	24.740	24.790	24.740	195.800	24.600
σ		1.981	5.043	0.791	1.327%	0.243	0.437	0.598	0.530	3.353	0.421
%RSD		7.627	20.420	3.810	1.344	0.956	1.764	2.413	2.140	1.712	1.709
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:08:11	26.340	25.350	24.500	24.630	24.090	24.880	25.000	24.720	25.210	24.890
2	15:09:16	25.520	25.250	24.420	24.340	24.810	24.390	24.330	24.610	24.120	24.770
3	15:10:21	27.460	25.390	25.290	25.710	25.260	25.500	25.810	25.140	24.910	25.560
x		26.440	25.330	24.740	24.890	24.720	24.920	25.040	24.830	24.750	25.070
σ		0.974	0.071	0.482	0.723	0.593	0.558	0.741	0.277	0.564	0.424
%RSD		3.683	0.281	1.947	2.903	2.397	2.238	2.959	1.117	2.278	1.690
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:08:11	24.800	25.930	24.990	0.000	0.000	24.770	25.010	99.966%	25.200	25.190
2	15:09:16	24.410	24.340	24.370	0.000	0.000	24.600	24.810	100.611%	25.020	25.250
3	15:10:21	25.410	25.730	25.570	0.000	0.000	25.050	25.630	98.307%	26.010	25.670
x		24.870	25.330	24.980	0.000	0.000	24.810	25.150	99.628%	25.410	25.370
σ		0.501	0.863	0.599	0.000	0.000	0.225	0.427	1.189%	0.527	0.263
%RSD		2.015	3.406	2.399	0.000	0.000	0.908	1.698	1.193	2.074	1.035
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:08:11	25.110	99.512%	24.500	24.170	0.347	25.030	23.970	24.770	24.540	99.064%
2	15:09:16	24.650	100.795%	24.540	23.820	0.252	23.690	23.680	24.450	24.370	100.765%
3	15:10:21	25.680	98.506%	24.600	24.380	0.282	24.180	24.590	24.890	25.290	98.587%
x		25.140	99.604%	24.550	24.120	0.294	24.300	24.080	24.710	24.730	99.472%
σ		0.515	1.148%	0.051	0.285	0.048	0.678	0.465	0.227	0.485	1.145%
%RSD		2.050	1.152	0.209	1.182	16.480	2.792	1.930	0.917	1.963	1.151
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:08:11	25.020	24.310	24.300	24.860	99.819%	100.155%	24.330	24.000	24.400	24.640
2	15:09:16	24.890	24.060	24.040	24.420	101.161%	101.842%	24.230	23.910	24.460	24.300
3	15:10:21	25.640	25.200	25.110	25.340	99.023%	99.043%	24.620	24.500	25.050	24.690
x		25.180	24.530	24.480	24.870	100.001%	100.347%	24.390	24.140	24.640	24.550
σ		0.402	0.596	0.561	0.459	1.081%	1.409%	0.205	0.316	0.358	0.212
%RSD		1.597	2.428	2.291	1.846	1.081	1.404	0.840	1.309	1.452	0.862
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	15:08:11	24.450	100.579%	0.000	0.000						
2	15:09:16	24.170	102.152%	0.000	0.000						
3	15:10:21	24.900	100.676%	0.000	0.000						
x		24.510	101.136%	0.000	0.000						
σ		0.370	0.882%	0.000	0.000						
%RSD		1.508	0.872	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:12:29	101.497%	50.400	48.910	49.770	0.000	47.610	50.270	49.560	47.950	±0.000
2	15:13:34	100.990%	50.030	50.090	49.290	0.000	47.820	46.900	47.560	47.600	±0.000
3	15:14:39	102.090%	48.880	52.770	50.160	0.000	47.830	50.280	48.280	48.250	±0.000
x		101.526%	49.770	50.590	49.740	0.000	47.750	49.150	48.460	47.930	±0.000
σ		0.550%	0.792	1.978	0.439	0.000	0.125	1.950	1.011	0.323	±0.000
%RSD		0.542	1.591	3.910	0.882	0.000	0.262	3.968	2.085	0.674	±0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:12:29	47.660	59.850	60.210	98.076%	50.930	50.140	50.050	49.690	196.600	49.920
2	15:13:34	47.310	55.570	58.830	97.811%	50.390	49.550	49.560	51.460	192.700	49.700
3	15:14:39	49.190	67.290	58.600	96.143%	51.940	50.660	50.580	51.140	190.600	50.560
x		48.060	60.910	59.210	97.344%	51.090	50.120	50.060	50.760	193.300	50.060
σ		0.995	5.933	0.869	1.048%	0.786	0.558	0.513	0.946	3.061	0.444
%RSD		2.071	9.742	1.467	1.077	1.538	1.113	1.025	1.864	1.583	0.887
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:12:29	47.690	48.300	49.920	50.330	51.250	50.200	50.200	50.870	50.470	50.640
2	15:13:34	47.080	48.600	49.590	50.270	51.330	49.910	50.160	50.260	50.360	50.880
3	15:14:39	47.970	47.950	50.520	50.360	51.130	50.440	50.300	50.740	51.380	51.490
x		47.580	48.280	50.010	50.320	51.240	50.180	50.220	50.620	50.740	51.000
σ		0.459	0.325	0.468	0.044	0.103	0.267	0.070	0.323	0.559	0.435
%RSD		0.965	0.673	0.937	0.087	0.202	0.532	0.139	0.639	1.101	0.853
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:12:29	50.410	50.620	50.310	0.000	0.000	50.310	49.820	99.132%	50.760	50.180
2	15:13:34	49.900	50.640	50.200	0.000	0.000	50.440	49.460	99.170%	49.670	49.390
3	15:14:39	50.680	50.190	50.850	0.000	0.000	51.030	50.120	98.589%	50.340	50.230
x		50.330	50.490	50.460	0.000	0.000	50.590	49.800	98.964%	50.260	49.930
σ		0.397	0.255	0.350	0.000	0.000	0.384	0.331	0.325%	0.552	0.473
%RSD		0.788	0.505	0.693	0.000	0.000	0.758	0.665	0.328	1.098	0.948
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:12:29	49.930	99.650%	51.410	49.930	0.405	51.150	50.080	49.800	50.160	98.900%
2	15:13:34	49.860	99.537%	49.380	49.570	0.608	52.080	49.390	49.570	49.200	100.187%
3	15:14:39	50.330	98.916%	50.950	50.430	0.347	49.860	50.250	50.050	50.480	98.338%
x		50.040	99.368%	50.580	49.980	0.453	51.030	49.910	49.810	49.950	99.141%
σ		0.257	0.395%	1.060	0.433	0.137	1.111	0.457	0.242	0.669	0.948%
%RSD		0.514	0.398	2.095	0.866	30.240	2.177	0.916	0.485	1.340	0.956
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:12:29	50.350	50.660	50.990	50.980	99.908%	100.706%	49.950	49.260	49.910	49.840
2	15:13:34	49.490	50.170	50.140	48.940	101.059%	101.569%	50.040	49.460	49.600	49.480
3	15:14:39	51.070	51.520	51.330	50.020	100.128%	100.400%	49.930	49.290	50.090	50.220
x		50.300	50.780	50.820	49.980	100.365%	100.892%	49.970	49.340	49.870	49.850
σ		0.790	0.679	0.615	1.022	0.611%	0.606%	0.055	0.108	0.247	0.372
%RSD		1.571	1.338	1.209	2.045	0.608	0.601	0.111	0.220	0.494	0.746
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	15:12:29	49.820	101.433%	0.000	0.000						
2	15:13:34	49.560	101.365%	0.000	0.000						
3	15:14:39	49.940	101.656%	0.000	0.000						
x		49.770	101.485%	0.000	0.000						
σ		0.193	0.152%	0.000	0.000						
%RSD		0.387	0.150	0.000	0.000						

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std6 5/7/2011 15:15:42

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:16:47	101.232%	98.870	97.720	98.600	0.000	91.010	93.580	93.780	92.490	±0.000
2	15:17:52	99.415%	m100.700	m102.700	m101.100	0.000	92.050	96.810	95.150	93.470	±0.000
3	15:18:57	99.799%	m100.900	98.710	m100.700	0.000	91.530	93.870	94.610	93.260	±0.000
x		100.148%	m100.100	m99.710	m100.100	0.000	91.530	94.750	94.510	93.070	±0.000
σ		0.957%	m1.099	m2.638	m1.359	0.000	0.523	1.787	0.689	0.519	±0.000
%RSD		0.956	m1.097	m2.645	m1.357	0.000	0.571	1.886	0.729	0.558	±0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:16:47	87.460	117.500	111.700	97.549%	98.340	99.560	99.770	98.910	192.800	m100.200
2	15:17:52	89.920	138.500	110.500	96.237%	m100.800	m100.300	m100.200	m100.700	190.400	m100.200
3	15:18:57	92.300	124.000	108.900	95.695%	98.960	m100.100	m100.100	99.510	194.100	99.820
x		89.890	126.700	110.400	96.494%	m99.380	m100.000	m100.000	m99.690	192.400	m100.100
σ		2.416	10.770	1.401	0.953%	m1.298	m0.409	m0.224	m0.888	1.899	m0.213
%RSD		2.687	8.499	1.269	0.988	m1.306	m0.409	m0.224	m0.891	0.987	m0.213
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:16:47	88.760	95.530	99.750	99.020	97.850	99.490	99.510	98.230	98.880	98.350
2	15:17:52	90.290	94.530	m100.400	m100.500	m101.900	99.970	m100.200	m100.700	99.860	m100.400
3	15:18:57	89.280	95.820	m100.000	m100.100	98.640	m100.300	99.960	m100.300	m100.400	99.700
x		89.440	95.290	m100.100	m99.870	m99.460	m99.930	m99.880	m99.740	m99.700	m99.490
σ		0.780	0.680	m0.345	m0.760	m2.141	m0.422	m0.336	m1.328	m0.756	m1.055
%RSD		0.872	0.714	m0.345	m0.761	m2.152	m0.423	m0.336	m1.332	m0.758	m1.061
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:16:47	99.800	m101.100	99.580	0.000	0.000	99.830	m100.200	98.415%	m100.600	99.940
2	15:17:52	99.930	98.770	99.890	0.000	0.000	99.350	m100.200	98.376%	99.230	99.820
3	15:18:57	99.880	99.290	99.880	0.000	0.000	m100.100	99.820	97.715%	99.510	m100.100
x		99.870	m99.710	99.780	0.000	0.000	m99.760	m100.100	98.168%	m99.790	m99.960
σ		0.066	m1.204	0.179	0.000	0.000	m0.385	m0.221	0.394%	m0.738	m0.144
%RSD		0.066	m1.208	0.180	0.000	0.000	m0.386	m0.220	0.401	m0.739	m0.144
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:16:47	m100.600	97.827%	99.110	m100.700	0.785	m101.000	m100.200	m100.500	99.770	99.815%
2	15:17:52	m100.100	97.926%	m100.600	m100.100	0.642	m100.400	m100.200	99.680	m100.300	99.215%
3	15:18:57	99.160	98.306%	99.740	99.970	0.478	97.580	m100.500	m100.300	m100.200	97.560%
x		m99.960	98.020%	m99.810	m100.300	0.635	m99.680	m100.300	m100.200	m100.100	98.863%
σ		m0.746	0.253%	m0.744	m0.363	0.154	m1.838	m0.173	m0.431	m0.291	1.168%
%RSD		m0.747	0.258	m0.745	m0.362	24.230	m1.844	m0.172	m0.431	m0.291	1.182
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:16:47	99.490	97.940	98.550	99.550	100.427%	100.444%	99.810	m100.600	99.830	m100.100
2	15:17:52	99.390	m100.500	99.540	m100.200	100.010%	100.741%	m100.000	m100.000	99.760	99.900
3	15:18:57	m100.600	m100.800	m101.100	m100.300	100.300%	100.598%	m100.700	m101.000	m100.900	m100.600
x		m99.820	m99.750	m99.740	m100.000	100.245%	100.594%	m100.200	m100.500	m100.200	m100.200
σ		m0.655	m1.575	m1.310	m0.426	0.213%	0.149%	m0.441	m0.488	m0.631	m0.363
%RSD		m0.656	m1.579	m1.314	m0.426	0.213	0.148	m0.440	m0.485	m0.630	m0.362
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	15:16:47	m100.000	102.044%	0.000	0.000						
2	15:17:52	m100.000	102.264%	0.000	0.000						
3	15:18:57	m100.600	101.257%	0.000	0.000						
x		m100.200	101.855%	0.000	0.000						
σ		m0.353	0.530%	0.000	0.000						
%RSD		m0.352	0.520	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:21:05	98.965%	-0.038	3.400	3.814	0.000	TM 1015.000	M 1017.000	M 1006.000	TM 1014.000	± 0.000
2	15:22:10	97.989%	-0.095	2.106	2.701	0.000	± 999.700	994.100	997.000	± 997.300	± 0.000
3	15:23:15	100.154%	-0.123	2.250	1.780	0.000	± 988.200	990.600	998.900	± 991.600	± 0.000
X		99.036%	-0.085	2.585	2.765	0.000	TM 1001.000	M 1001.000	M 1001.000	TM 1001.000	± 0.000
σ		1.085%	0.043	0.710	1.018	0.000	TM 13.420	M 14.360	M 4.720	TM 11.390	± 0.000
%RSD		1.095	50.810	27.440	36.820	0.000	TM 1.341	M 1.435	M 0.472	TM 1.139	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:21:05	M 1000.000	M 1026.000	M 1012.000	93.820%	-0.120	0.155	0.367	0.469	167.300	0.185
2	15:22:10	TM 1009.000	963.500	978.400	94.460%	-0.377	-0.164	0.213	0.397	170.100	0.028
3	15:23:15	994.400	M 1001.000	M 1006.000	93.879%	-0.346	-0.168	0.118	0.435	172.400	0.005
X		TM 1001.000	M 996.900	M 998.600	94.053%	-0.281	-0.059	0.233	0.434	169.900	0.073
σ		TM 7.181	M 31.380	M 17.870	0.354%	0.140	0.186	0.126	0.036	2.554	0.098
%RSD		TM 0.717	M 3.147	M 1.789	0.376	49.900	314.600	54.280	8.369	1.503	135.000
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:21:05	TM 1012.000	M 1009.000	0.092	0.036	0.019	1.480	1.486	0.879	0.949	0.892
2	15:22:10	± 992.300	991.300	-0.062	-0.090	-0.237	1.259	1.103	0.683	1.146	0.729
3	15:23:15	± 999.300	M 1001.000	-0.077	-0.117	-0.276	1.248	1.183	0.707	1.027	0.660
X		TM 1001.000	M 1001.000	-0.016	-0.057	-0.165	1.329	1.257	0.756	1.041	0.761
σ		TM 9.811	M 9.075	0.094	0.081	0.160	0.131	0.202	0.107	0.100	0.119
%RSD		TM 0.980	M 0.907	598.900	142.600	97.190	9.844	16.070	14.160	9.567	15.650
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:21:05	0.009	-3.033	-0.369	0.000	0.000	-0.035	0.356	95.580%	0.267	0.247
2	15:22:10	-0.174	-2.763	-0.556	0.000	0.000	-0.196	0.103	95.521%	0.026	0.122
3	15:23:15	-0.205	-2.689	-0.618	0.000	0.000	-0.241	0.026	95.344%	-0.065	0.019
X		-0.123	-2.828	-0.515	0.000	0.000	-0.158	0.161	95.482%	0.076	0.129
σ		0.116	0.181	0.130	0.000	0.000	0.108	0.173	0.123%	0.172	0.114
%RSD		93.710	6.410	25.210	0.000	0.000	68.580	106.900	0.128	225.100	88.450
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:21:05	0.321	94.114%	-0.195	0.462	0.222	0.068	0.526	0.018	0.062	96.448%
2	15:22:10	0.098	94.698%	-0.458	0.401	0.245	0.148	0.451	-0.083	-0.039	96.732%
3	15:23:15	0.057	94.628%	-0.753	0.398	0.253	-0.014	0.443	-0.109	-0.074	95.560%
X		0.159	94.480%	-0.468	0.420	0.240	0.067	0.473	-0.058	-0.017	96.247%
σ		0.142	0.319%	0.279	0.036	0.016	0.081	0.046	0.067	0.070	0.611%
%RSD		89.400	0.337	59.580	8.549	6.695	120.800	9.711	116.200	420.400	0.635
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:21:05	0.419	2.497	2.417	1.069	98.003%	97.560%	0.192	0.443	0.424	0.391
2	15:22:10	0.176	1.515	1.506	0.779	98.347%	98.147%	0.118	0.352	0.143	0.140
3	15:23:15	0.110	1.180	1.178	0.687	97.491%	97.832%	0.103	0.347	0.042	0.060
X		0.235	1.731	1.701	0.845	97.947%	97.846%	0.138	0.381	0.203	0.197
σ		0.163	0.684	0.642	0.199	0.431%	0.294%	0.048	0.054	0.198	0.173
%RSD		69.400	39.540	37.750	23.610	0.440	0.300	34.730	14.290	97.430	87.580
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	15:21:05	0.461	97.643%	0.000	0.000						
2	15:22:10	0.193	99.355%	0.000	0.000						
3	15:23:15	0.109	98.191%	0.000	0.000						
X		0.255	98.396%	0.000	0.000						
σ		0.184	0.874%	0.000	0.000						
%RSD		72.180	0.888	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:25:23	98.937%	60.080	57.470	58.470	0.000	411.900	393.900	392.400	60.780	±0.000
2	15:26:28	92.803%	59.860	57.450	57.510	0.000	419.100	402.900	396.700	±67.550	±0.000
3	15:27:33	100.572%	61.650	60.000	58.430	0.000	419.800	402.100	401.900	60.220	±0.000
x		97.437%	60.530	58.310	58.140	0.000	416.900	399.600	397.000	±62.850	±0.000
σ		4.096%	0.979	1.468	0.544	0.000	4.400	5.002	4.751	±4.077	±0.000
%RSD		4.204	1.617	2.519	0.937	0.000	1.055	1.252	1.197	±6.488	±0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:25:23	374.100	454.500	433.700	94.945%	60.240	58.640	59.910	60.480	184.100	59.070
2	15:26:28	390.700	460.700	436.600	89.627%	62.260	59.550	61.130	62.840	190.000	60.450
3	15:27:33	395.200	459.300	446.500	95.552%	60.790	60.790	62.690	63.820	188.000	61.210
x		386.700	458.200	438.900	93.375%	61.100	59.660	61.240	62.380	187.400	60.240
σ		11.150	3.258	6.691	3.260%	1.045	1.078	1.394	1.718	3.001	1.089
%RSD		2.884	0.711	1.524	3.491	1.710	1.806	2.275	2.754	1.601	1.807
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:25:23	386.900	402.000	58.510	58.630	59.230	59.300	58.400	59.590	57.700	60.300
2	15:26:28	398.700	414.900	59.630	59.420	60.490	60.560	60.210	59.930	61.140	61.280
3	15:27:33	409.000	421.200	60.850	61.390	60.860	60.940	61.110	61.940	61.250	62.910
x		398.200	412.700	59.670	59.810	60.190	60.270	59.900	60.480	60.030	61.500
σ		11.020	9.787	1.169	1.420	0.858	0.856	1.380	1.272	2.022	1.316
%RSD		2.767	2.371	1.959	2.374	1.426	1.420	2.303	2.103	3.368	2.139
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:25:23	59.140	59.960	59.270	0.000	0.000	59.940	60.000	95.999%	59.220	59.150
2	15:26:28	60.710	60.630	61.140	0.000	0.000	61.100	61.640	90.266%	60.450	59.740
3	15:27:33	61.680	61.570	61.620	0.000	0.000	60.540	61.900	96.325%	61.380	60.900
x		60.510	60.720	60.680	0.000	0.000	60.530	61.180	94.197%	60.350	59.930
σ		1.278	0.810	1.241	0.000	0.000	0.580	1.027	3.408%	1.080	0.888
%RSD		2.112	1.334	2.046	0.000	0.000	0.958	1.679	3.618	1.790	1.482
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:25:23	58.870	97.309%	59.800	58.140	0.386	58.690	58.070	58.770	59.800	97.313%
2	15:26:28	60.290	91.203%	61.810	59.010	0.170	57.380	59.330	60.780	60.530	92.022%
3	15:27:33	60.860	95.976%	59.800	60.400	0.605	61.830	60.440	61.500	62.110	96.074%
x		60.010	94.830%	60.470	59.180	0.387	59.300	59.280	60.350	60.810	95.136%
σ		1.021	3.210%	1.162	1.139	0.217	2.287	1.184	1.416	1.183	2.767%
%RSD		1.701	3.386	1.921	1.925	56.120	3.857	1.997	2.346	1.946	2.909
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:25:23	61.280	61.000	61.250	59.280	99.006%	99.909%	60.180	60.180	61.290	56.390
2	15:26:28	62.340	62.300	62.000	60.610	93.814%	94.898%	61.110	60.870	63.140	57.250
3	15:27:33	64.490	64.000	63.520	62.080	98.571%	98.312%	62.080	61.970	64.990	58.710
x		62.710	62.430	62.250	60.660	97.130%	97.706%	61.120	61.010	63.140	57.450
σ		1.637	1.505	1.160	1.400	2.880%	2.560%	0.954	0.906	1.847	1.173
%RSD		2.610	2.410	1.863	2.308	2.965	2.620	1.561	1.485	2.926	2.042
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	15:25:23	58.920	100.528%	0.000	0.000						
2	15:26:28	59.950	95.063%	0.000	0.000						
3	15:27:33	61.610	99.402%	0.000	0.000						
x		60.160	98.331%	0.000	0.000						
σ		1.359	2.885%	0.000	0.000						
%RSD		2.259	2.934	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:29:41	101.460%	0.219	6.760	6.337	0.000	7.144	3.362	3.463	5.094	±0.000
2	15:30:46	99.442%	-0.118	6.139	5.744	0.000	6.281	1.151	1.806	4.674	±0.000
3	15:31:52	102.317%	-0.141	4.897	5.402	0.000	5.991	0.804	1.551	4.594	±0.000
x		101.073%	-0.013	5.932	5.828	0.000	6.472	1.772	2.273	4.787	±0.000
σ		1.476%	0.202	0.949	0.473	0.000	0.600	1.388	1.038	0.269	±0.000
%RSD		1.460	1545.000	15.990	8.112	0.000	9.268	78.320	45.670	5.617	±0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:29:41	1.312	-19.210	-10.580	96.057%	-0.167	0.051	0.442	0.835	178.300	0.293
2	15:30:46	5.966	-19.980	-13.050	93.409%	-0.506	0.018	0.083	0.276	185.700	-0.029
3	15:31:52	4.579	-18.780	-13.730	94.272%	-0.499	-0.257	0.006	-0.794	190.400	-0.073
x		3.952	-19.320	-12.450	94.579%	-0.391	-0.063	0.177	0.106	184.800	0.064
σ		2.389	0.605	1.657	1.350%	0.194	0.169	0.233	0.828	6.076	0.200
%RSD		60.460	3.128	13.310	1.428	49.640	269.400	131.300	782.900	3.288	312.300
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:29:41	3.068	4.388	0.269	0.095	-0.059	0.123	0.044	-0.220	-0.076	-0.287
2	15:30:46	3.108	2.743	-0.021	-0.187	-0.234	-0.216	-0.247	-0.500	-0.475	-0.563
3	15:31:52	2.948	2.309	-0.060	-0.241	-0.384	-0.255	-0.307	-0.580	-0.440	-0.587
x		3.042	3.147	0.063	-0.111	-0.226	-0.116	-0.170	-0.433	-0.330	-0.479
σ		0.083	1.097	0.180	0.180	0.163	0.208	0.188	0.189	0.221	0.167
%RSD		2.734	34.850	286.900	162.100	72.180	179.700	110.600	43.700	66.980	34.840
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:29:41	0.210	-2.618	-0.486	0.000	0.000	0.064	0.293	97.877%	0.254	0.296
2	15:30:46	-0.182	-0.797	-0.267	0.000	0.000	-0.277	-0.065	94.119%	-0.078	-0.054
3	15:31:52	-0.197	-0.633	-0.300	0.000	0.000	-0.124	-0.123	95.036%	-0.129	-0.128
x		-0.056	-1.349	-0.351	0.000	0.000	-0.112	0.035	95.677%	0.016	0.038
σ		0.231	1.102	0.118	0.000	0.000	0.171	0.225	1.960%	0.208	0.226
%RSD		409.500	81.670	33.720	0.000	0.000	151.800	650.900	2.048	1330.000	595.200
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:29:41	0.369	98.175%	0.395	0.610	0.195	0.221	0.647	0.206	0.269	98.352%
2	15:30:46	0.031	94.369%	-0.202	0.418	0.216	-0.041	0.470	-0.034	-0.019	94.299%
3	15:31:52	-0.051	95.087%	-0.502	0.411	0.234	-0.069	0.446	-0.086	-0.060	94.864%
x		0.117	95.877%	-0.103	0.480	0.215	0.037	0.521	0.029	0.063	95.838%
σ		0.223	2.022%	0.457	0.113	0.019	0.160	0.110	0.156	0.179	2.196%
%RSD		191.000	2.109	443.100	23.520	8.935	432.500	21.070	542.300	283.100	2.291
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:29:41	0.282	0.587	0.543	0.420	100.000%	100.273%	0.507	0.734	0.429	0.385
2	15:30:46	-0.072	0.346	0.290	0.054	95.482%	95.516%	0.297	0.522	0.075	0.077
3	15:31:52	-0.126	0.292	0.229	-0.044	96.069%	95.885%	0.317	0.541	0.019	0.016
x		0.028	0.408	0.354	0.143	97.184%	97.225%	0.374	0.599	0.174	0.159
σ		0.222	0.157	0.166	0.244	2.457%	2.646%	0.116	0.118	0.223	0.198
%RSD		788.100	38.410	47.010	170.500	2.528	2.722	31.070	19.650	127.700	124.100
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	15:29:41	0.454	100.272%	0.000	0.000						
2	15:30:46	0.138	97.441%	0.000	0.000						
3	15:31:52	0.073	97.572%	0.000	0.000						
x		0.221	98.428%	0.000	0.000						
σ		0.204	1.598%	0.000	0.000						
%RSD		92.070	1.624	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:34:00	104.983%	0.436	5.198	5.998	0.000	221.400	220.600	219.500	44.920	±0.000
2	15:35:05	100.942%	0.386	6.264	6.479	0.000	237.500	242.900	239.800	48.060	±0.000
3	15:36:10	103.456%	0.318	5.367	5.898	0.000	229.900	231.600	233.000	46.720	±0.000
x		103.127%	0.380	5.610	6.125	0.000	229.600	231.700	230.800	46.560	±0.000
σ		2.041%	0.059	0.573	0.311	0.000	8.041	11.130	10.330	1.575	±0.000
%RSD		1.979	15.610	10.220	5.073	0.000	3.503	4.805	4.477	3.382	±0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:34:00	215.100	211.500	212.100	101.354%	0.601	3.818	3.684	4.351	171.000	0.413
2	15:35:05	236.200	221.200	229.400	97.128%	0.406	3.786	3.984	3.387	185.000	0.462
3	15:36:10	230.500	207.500	224.900	98.987%	0.422	3.988	3.842	4.875	178.100	0.436
x		227.300	213.400	222.100	99.157%	0.476	3.864	3.837	4.204	178.000	0.437
σ		10.930	7.020	8.967	2.118%	0.108	0.108	0.150	0.755	7.023	0.025
%RSD		4.812	3.290	4.037	2.136	22.720	2.805	3.908	17.960	3.945	5.609
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:34:00	41.020	45.820	0.406	4.059	3.830	3.607	3.532	3.730	3.658	3.770
2	15:35:05	46.120	48.940	0.440	4.294	4.405	3.934	3.767	4.204	4.016	4.128
3	15:36:10	±63.440	46.350	0.433	4.097	4.335	3.866	3.700	3.939	4.006	3.927
x		±50.190	47.030	0.427	4.150	4.190	3.802	3.666	3.958	3.893	3.942
σ		±11.750	1.670	0.018	0.126	0.314	0.173	0.121	0.238	0.204	0.179
%RSD		±23.410	3.551	4.184	3.042	7.484	4.536	3.304	6.007	5.230	4.544
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:34:00	0.714	-1.906	0.404	0.000	0.000	0.739	0.823	101.129%	0.749	0.879
2	15:35:05	0.936	-1.450	0.796	0.000	0.000	0.852	0.852	97.870%	0.825	0.833
3	15:36:10	0.772	-1.289	0.494	0.000	0.000	0.827	0.859	99.924%	0.835	0.888
x		0.808	-1.548	0.565	0.000	0.000	0.806	0.845	99.641%	0.803	0.867
σ		0.115	0.320	0.206	0.000	0.000	0.060	0.019	1.648%	0.047	0.030
%RSD		14.260	20.660	36.410	0.000	0.000	7.386	2.283	1.654	5.867	3.413
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:34:00	0.874	99.768%	0.015	2.490	0.239	0.499	2.493	0.396	0.433	100.891%
2	15:35:05	0.937	98.308%	-0.015	2.476	0.251	0.641	2.564	0.417	0.438	98.762%
3	15:36:10	0.922	99.947%	0.389	2.514	0.212	0.449	2.535	0.429	0.478	99.836%
x		0.911	99.341%	0.130	2.493	0.234	0.529	2.531	0.414	0.450	99.830%
σ		0.033	0.899%	0.225	0.019	0.020	0.100	0.036	0.017	0.025	1.064%
%RSD		3.632	0.905	173.400	0.753	8.635	18.810	1.410	4.086	5.505	1.066
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:34:00	0.945	0.721	0.632	0.857	101.646%	102.042%	0.555	0.778	0.506	0.455
2	15:35:05	0.973	0.733	0.666	0.910	99.887%	100.805%	0.575	0.793	0.494	0.456
3	15:36:10	0.977	0.699	0.631	0.895	100.068%	101.339%	0.568	0.793	0.511	0.469
x		0.965	0.718	0.643	0.887	100.534%	101.395%	0.566	0.788	0.504	0.460
σ		0.017	0.018	0.020	0.027	0.968%	0.620%	0.010	0.009	0.009	0.008
%RSD		1.782	2.444	3.139	3.080	0.963	0.612	1.837	1.087	1.687	1.696
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	15:34:00	0.534	102.400%	0.000	0.000						
2	15:35:05	0.548	101.056%	0.000	0.000						
3	15:36:10	0.549	101.380%	0.000	0.000						
x		0.544	101.612%	0.000	0.000						
σ		0.008	0.701%	0.000	0.000						
%RSD		1.558	0.690	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:38:18	104.602%	0.384	5.405	6.145	0.000	214.000	218.600	216.900	43.750	±0.000
2	15:39:24	101.980%	0.321	6.613	6.746	0.000	227.900	237.000	235.300	47.600	±0.000
3	15:40:29	105.663%	0.383	5.692	6.201	0.000	215.000	224.700	219.400	44.290	±0.000
x		104.082%	0.363	5.903	6.364	0.000	219.000	226.800	223.900	45.210	±0.000
σ		1.896%	0.036	0.631	0.332	0.000	7.764	9.383	9.968	2.088	±0.000
%RSD		1.821	9.996	10.700	5.215	0.000	3.546	4.137	4.452	4.618	±0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:38:18	210.700	219.600	208.900	102.045%	0.405	3.741	3.574	3.680	166.300	0.422
2	15:39:24	228.000	229.600	227.600	97.599%	0.556	3.915	3.909	3.449	175.900	0.463
3	15:40:29	213.600	219.200	211.600	100.391%	0.509	4.156	3.641	5.200	162.900	0.423
x		217.400	222.800	216.000	100.012%	0.490	3.937	3.708	4.110	168.400	0.436
σ		9.271	5.906	10.130	2.248%	0.077	0.208	0.177	0.952	6.760	0.023
%RSD		4.264	2.651	4.690	2.247	15.740	5.292	4.781	23.150	4.015	5.365
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:38:18	39.580	43.050	0.386	3.948	4.064	3.712	3.556	3.557	3.678	3.343
2	15:39:24	45.380	47.540	0.402	4.357	4.256	3.952	3.977	3.864	3.950	3.669
3	15:40:29	40.870	45.310	0.396	4.117	4.579	3.754	3.715	3.580	3.681	3.467
x		41.940	45.300	0.395	4.141	4.300	3.806	3.750	3.667	3.769	3.493
σ		3.046	2.245	0.008	0.205	0.260	0.128	0.213	0.171	0.156	0.164
%RSD		7.262	4.957	2.067	4.962	6.050	3.362	5.671	4.661	4.138	4.702
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:38:18	0.875	-3.916	0.163	0.000	0.000	0.739	0.814	101.694%	0.592	0.830
2	15:39:24	0.947	-2.701	0.632	0.000	0.000	0.754	0.883	98.086%	0.796	0.794
3	15:40:29	0.804	-3.613	0.115	0.000	0.000	0.665	0.775	102.165%	0.665	0.703
x		0.875	-3.410	0.303	0.000	0.000	0.719	0.824	100.648%	0.684	0.776
σ		0.072	0.632	0.286	0.000	0.000	0.048	0.054	2.232%	0.103	0.066
%RSD		8.195	18.540	94.260	0.000	0.000	6.614	6.610	2.217	15.120	8.456
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:38:18	0.781	101.707%	0.673	2.450	0.193	0.440	2.447	0.395	0.439	101.248%
2	15:39:24	0.877	97.690%	0.600	2.543	0.206	0.566	2.565	0.454	0.483	98.067%
3	15:40:29	0.787	101.207%	-0.061	2.418	0.246	0.518	2.426	0.358	0.415	101.433%
x		0.815	100.201%	0.404	2.471	0.215	0.508	2.479	0.402	0.445	100.249%
σ		0.054	2.189%	0.404	0.065	0.028	0.064	0.075	0.048	0.034	1.892%
%RSD		6.625	2.185	99.980	2.635	12.820	12.520	3.032	12.050	7.728	1.888
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:38:18	1.359	0.727	0.688	0.866	102.502%	102.334%	0.536	0.767	0.519	0.440
2	15:39:24	1.639	0.762	0.728	0.938	97.999%	98.532%	0.569	0.774	0.541	0.485
3	15:40:29	1.377	0.697	0.642	0.860	102.701%	102.141%	0.521	0.755	0.523	0.466
x		1.458	0.729	0.686	0.888	101.068%	101.002%	0.542	0.765	0.528	0.464
σ		0.156	0.033	0.043	0.043	2.659%	2.142%	0.025	0.010	0.012	0.023
%RSD		10.720	4.509	6.336	4.867	2.631	2.121	4.518	1.271	2.194	4.869
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	15:38:18	0.530	101.836%	0.000	0.000						
2	15:39:24	0.560	99.085%	0.000	0.000						
3	15:40:29	0.536	102.183%	0.000	0.000						
x		0.542	101.035%	0.000	0.000						
σ		0.016	1.697%	0.000	0.000						
%RSD		2.921	1.680	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:42:37	100.737%	0.134	2.796	3.213	0.000	127.300	133.100	129.300	26.910	±0.000
2	15:43:42	101.821%	0.136	2.614	2.928	0.000	127.800	131.200	130.600	27.230	±0.000
3	15:44:47	107.818%	0.132	2.970	3.021	0.000	114.300	114.700	113.800	23.720	±0.000
x		103.459%	0.134	2.793	3.054	0.000	123.100	126.300	124.600	25.950	±0.000
σ		3.814%	0.002	0.178	0.145	0.000	7.648	10.140	9.300	1.943	±0.000
%RSD		3.687	1.709	6.364	4.763	0.000	6.211	8.025	7.466	7.487	±0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:42:37	129.000	109.100	117.100	96.856%	-0.057	2.265	2.007	2.697	187.900	0.204
2	15:43:42	132.800	114.800	121.200	96.410%	0.102	2.101	2.055	2.107	195.300	0.212
3	15:44:47	112.700	108.200	103.400	103.888%	-0.067	1.939	1.755	1.981	178.600	0.151
x		124.900	110.700	113.900	99.052%	-0.008	2.102	1.939	2.262	187.200	0.189
σ		10.680	3.580	9.312	4.195%	0.095	0.163	0.161	0.383	8.386	0.033
%RSD		8.555	3.234	8.174	4.235	1230.000	7.763	8.303	16.920	4.479	17.530
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:42:37	27.930	30.100	0.179	2.889	3.023	2.861	2.876	1.881	1.984	1.776
2	15:43:42	28.880	28.990	0.192	2.793	2.695	2.886	2.886	1.886	2.093	1.766
3	15:44:47	22.370	25.580	0.159	2.623	2.376	2.524	2.450	1.668	1.510	1.563
x		26.390	28.220	0.176	2.768	2.698	2.757	2.737	1.812	1.862	1.702
σ		3.517	2.354	0.017	0.135	0.324	0.202	0.249	0.125	0.310	0.120
%RSD		13.320	8.340	9.357	4.864	11.990	7.326	9.102	6.879	16.650	7.069
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:42:37	0.389	-0.317	0.215	0.000	0.000	0.300	0.368	97.494%	0.318	0.367
2	15:43:42	0.282	0.756	0.015	0.000	0.000	0.351	0.394	97.272%	0.276	0.434
3	15:44:47	0.211	-1.599	-0.323	0.000	0.000	0.207	0.316	104.097%	0.234	0.286
x		0.294	-0.386	-0.031	0.000	0.000	0.286	0.360	99.621%	0.276	0.362
σ		0.090	1.179	0.272	0.000	0.000	0.073	0.040	3.878%	0.042	0.074
%RSD		30.470	305.200	872.700	0.000	0.000	25.660	11.140	3.893	15.240	20.400
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:42:37	0.425	98.655%	0.172	1.556	0.205	0.142	1.570	0.253	0.209	97.107%
2	15:43:42	0.435	97.242%	-0.273	1.568	0.235	0.170	1.573	0.220	0.224	97.950%
3	15:44:47	0.335	104.809%	0.663	1.399	0.178	0.226	1.458	0.207	0.216	104.700%
x		0.398	100.235%	0.188	1.508	0.206	0.179	1.534	0.226	0.216	99.919%
σ		0.055	4.023%	0.468	0.094	0.028	0.043	0.066	0.024	0.008	4.162%
%RSD		13.810	4.014	249.700	6.241	13.760	23.780	4.273	10.480	3.501	4.165
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:42:37	0.403	0.377	0.329	0.381	98.737%	98.912%	0.317	0.538	0.279	0.244
2	15:43:42	0.366	0.377	0.361	0.368	97.151%	97.383%	0.307	0.548	0.281	0.241
3	15:44:47	0.306	0.292	0.254	0.334	105.128%	104.876%	0.280	0.514	0.236	0.237
x		0.359	0.349	0.315	0.361	100.338%	100.390%	0.301	0.534	0.266	0.241
σ		0.049	0.049	0.055	0.024	4.223%	3.959%	0.019	0.018	0.025	0.004
%RSD		13.690	13.960	17.560	6.615	4.209	3.944	6.227	3.293	9.574	1.461
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	15:42:37	0.308	98.673%	0.000	0.000						
2	15:43:42	0.315	97.750%	0.000	0.000						
3	15:44:47	0.283	104.476%	0.000	0.000						
x		0.302	100.300%	0.000	0.000						
σ		0.017	3.646%	0.000	0.000						
%RSD		5.553	3.635	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:46:55	101.318%	50.560	46.650	49.150	0.000	440.500	465.900	463.100	448.300	±0.000
2	15:48:01	102.621%	49.010	49.150	47.610	0.000	430.000	449.200	449.200	±445.400	±0.000
3	15:49:06	99.904%	50.070	51.380	49.500	0.000	443.800	465.200	468.100	447.000	±0.000
x		101.281%	49.880	49.060	48.750	0.000	438.100	460.100	460.100	±446.900	±0.000
σ		1.359%	0.792	2.369	1.001	0.000	7.193	9.441	9.821	±1.442	±0.000
%RSD		1.342	1.587	4.829	2.054	0.000	1.642	2.052	2.135	±0.323	±0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:46:55	447.000	482.300	471.500	98.475%	49.080	49.360	48.700	49.790	190.800	49.290
2	15:48:01	434.900	468.700	453.500	99.629%	48.020	47.370	47.300	47.310	192.600	47.610
3	15:49:06	451.800	492.400	469.700	96.655%	49.260	49.060	49.080	48.180	193.700	49.250
x		444.600	481.100	464.900	98.253%	48.790	48.590	48.360	48.430	192.400	48.720
σ		8.720	11.880	9.886	1.499%	0.675	1.073	0.941	1.256	1.466	0.961
%RSD		1.962	2.470	2.126	1.526	1.385	2.209	1.947	2.594	0.762	1.973
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:46:55	452.100	457.000	49.280	49.040	49.350	48.360	48.530	50.440	50.070	50.470
2	15:48:01	±446.200	443.300	47.510	47.720	48.460	46.210	46.780	48.570	48.250	48.960
3	15:49:06	450.400	463.400	49.070	49.180	48.700	48.220	48.270	50.110	50.260	50.910
x		±449.600	454.600	48.620	48.650	48.830	47.600	47.860	49.710	49.530	50.110
σ		±3.020	10.250	0.965	0.805	0.462	1.203	0.946	1.001	1.114	1.026
%RSD		±0.672	2.254	1.984	1.654	0.947	2.527	1.977	2.015	2.249	2.047
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:46:55	49.790	50.920	49.850	0.000	0.000	50.060	48.700	98.798%	50.130	49.410
2	15:48:01	48.130	48.580	47.880	0.000	0.000	47.990	47.740	100.219%	47.930	48.600
3	15:49:06	49.240	50.390	49.390	0.000	0.000	49.370	49.060	98.679%	49.690	49.560
x		49.050	49.960	49.040	0.000	0.000	49.140	48.500	99.232%	49.250	49.190
σ		0.844	1.223	1.033	0.000	0.000	1.054	0.681	0.856%	1.162	0.519
%RSD		1.721	2.448	2.108	0.000	0.000	2.144	1.405	0.863	2.360	1.055
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:46:55	49.760	97.623%	51.120	48.910	0.312	49.350	48.740	49.180	49.220	99.338%
2	15:48:01	47.770	99.144%	46.350	47.570	0.660	49.960	47.490	47.570	47.440	100.183%
3	15:49:06	49.840	96.988%	49.890	49.210	0.499	51.000	48.930	49.820	49.590	97.343%
x		49.120	97.918%	49.120	48.560	0.491	50.100	48.390	48.860	48.750	98.955%
σ		1.172	1.108%	2.480	0.874	0.174	0.834	0.782	1.161	1.154	1.458%
%RSD		2.385	1.131	5.049	1.800	35.540	1.665	1.615	2.375	2.367	1.474
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:46:55	49.300	48.960	48.730	49.380	99.967%	100.793%	49.240	49.430	50.020	49.880
2	15:48:01	48.030	47.600	47.850	47.360	101.910%	102.096%	48.550	48.330	48.700	48.830
3	15:49:06	50.130	49.580	49.860	49.230	100.541%	100.068%	49.540	48.750	48.940	49.790
x		49.150	48.710	48.810	48.660	100.806%	100.986%	49.110	48.840	49.220	49.500
σ		1.059	1.014	1.006	1.126	0.998%	1.028%	0.509	0.557	0.700	0.580
%RSD		2.154	2.081	2.062	2.315	0.990	1.018	1.036	1.140	1.422	1.172
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	15:46:55	49.800	100.556%	0.000	0.000						
2	15:48:01	48.620	102.377%	0.000	0.000						
3	15:49:06	49.230	101.105%	0.000	0.000						
x		49.220	101.346%	0.000	0.000						
σ		0.594	0.934%	0.000	0.000						
%RSD		1.207	0.921	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:51:14	102.913%	-0.034	5.722	5.902	0.000	5.905	1.498	2.113	4.996	±0.000
2	15:52:19	101.956%	-0.128	5.255	5.472	0.000	5.593	0.998	1.487	4.406	±0.000
3	15:53:24	100.971%	-0.149	5.021	5.320	0.000	5.638	0.871	1.392	±6.596	±0.000
x		101.947%	-0.103	5.333	5.564	0.000	5.712	1.122	1.664	±5.333	±0.000
σ		0.971%	0.061	0.357	0.302	0.000	0.169	0.331	0.392	±1.133	±0.000
%RSD		0.953	59.430	6.693	5.421	0.000	2.951	29.500	23.530	±21.250	±0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:51:14	1.656	-19.740	-13.220	94.515%	-0.435	-0.058	0.081	0.051	186.200	0.001
2	15:52:19	1.293	-21.320	-13.220	95.042%	-0.515	-0.244	0.008	-1.223	189.400	-0.064
3	15:53:24	2.874	-21.880	-14.450	93.493%	-0.359	-0.019	-0.076	0.307	187.400	-0.087
x		1.941	-20.980	-13.630	94.350%	-0.436	-0.107	0.004	-0.289	187.700	-0.050
σ		0.828	1.109	0.712	0.788%	0.078	0.120	0.079	0.820	1.627	0.046
%RSD		42.660	5.289	5.220	0.835	17.790	112.800	1827.000	284.100	0.867	91.740
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:51:14	1.351	1.339	-0.012	-0.125	-0.210	-0.189	-0.232	-0.428	-0.313	-0.590
2	15:52:19	1.274	1.908	-0.072	-0.222	-0.358	-0.250	-0.298	-0.518	-0.404	-0.604
3	15:53:24	1.807	1.442	-0.082	-0.248	-0.288	-0.260	-0.311	-0.512	-0.409	-0.639
x		1.477	1.563	-0.055	-0.198	-0.285	-0.233	-0.280	-0.486	-0.376	-0.611
σ		0.288	0.303	0.038	0.065	0.074	0.038	0.043	0.050	0.054	0.025
%RSD		19.480	19.400	67.930	32.700	25.920	16.420	15.170	10.340	14.390	4.074
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:51:14	-0.117	-1.207	-0.458	0.000	0.000	-0.109	-0.013	95.156%	-0.094	-0.025
2	15:52:19	-0.229	-0.860	-0.528	0.000	0.000	-0.199	-0.120	95.526%	-0.167	-0.124
3	15:53:24	-0.188	-0.809	-0.383	0.000	0.000	-0.204	-0.151	93.533%	-0.210	-0.135
x		-0.178	-0.958	-0.456	0.000	0.000	-0.171	-0.095	94.739%	-0.157	-0.095
σ		0.056	0.217	0.073	0.000	0.000	0.053	0.072	1.060%	0.059	0.061
%RSD		31.690	22.610	15.900	0.000	0.000	31.170	76.040	1.119	37.560	64.290
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:51:14	0.018	96.949%	-0.331	0.424	0.226	-0.016	0.467	-0.042	-0.006	96.740%
2	15:52:19	-0.073	96.300%	-0.361	0.405	0.223	-0.096	0.425	-0.093	-0.053	96.316%
3	15:53:24	-0.077	93.770%	-0.399	0.383	0.227	-0.068	0.432	-0.087	-0.064	93.334%
x		-0.044	95.673%	-0.363	0.404	0.225	-0.060	0.442	-0.074	-0.041	95.463%
σ		0.054	1.680%	0.034	0.021	0.002	0.041	0.023	0.028	0.031	1.857%
%RSD		122.300	1.756	9.261	5.075	1.080	67.920	5.124	37.970	74.330	1.945
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:51:14	-0.038	0.966	0.942	0.060	96.670%	97.642%	0.170	0.396	0.129	0.123
2	15:52:19	-0.112	0.628	0.540	-0.077	96.727%	97.020%	0.123	0.367	0.022	0.019
3	15:53:24	-0.139	0.464	0.463	-0.102	93.286%	93.395%	0.138	0.378	-0.011	-0.002
x		-0.096	0.686	0.648	-0.040	95.561%	96.019%	0.144	0.380	0.047	0.047
σ		0.052	0.256	0.257	0.087	1.971%	2.294%	0.024	0.015	0.073	0.067
%RSD		54.560	37.340	39.690	218.500	2.062	2.389	16.590	3.830	156.800	143.700
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	15:51:14	0.180	98.971%	0.000	0.000						
2	15:52:19	0.080	99.347%	0.000	0.000						
3	15:53:24	0.053	95.295%	0.000	0.000						
x		0.104	97.871%	0.000	0.000						
σ		0.067	2.239%	0.000	0.000						
%RSD		64.230	2.287	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:55:33	101.088%	-0.140	0.132	0.282	0.000	4.400	1.580	1.883	2.729	±0.000
2	15:56:38	101.280%	-0.128	-0.122	0.206	0.000	4.056	1.598	2.019	2.657	±0.000
3	15:57:43	102.759%	-0.137	0.015	0.222	0.000	4.029	1.570	1.714	2.601	±0.000
x		101.709%	-0.135	0.009	0.237	0.000	4.162	1.583	1.872	2.662	±0.000
σ		0.915%	0.007	0.127	0.040	0.000	0.207	0.014	0.153	0.064	±0.000
%RSD		0.899	4.903	1454.000	16.820	0.000	4.969	0.888	8.149	2.415	±0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:55:33	5.147	-16.330	-7.995	94.876%	-0.550	-0.116	-0.102	-0.124	184.000	-0.073
2	15:56:38	4.112	-17.620	-8.798	99.282%	-0.532	-0.121	-0.125	0.120	176.100	-0.085
3	15:57:43	3.228	-13.360	-8.183	98.386%	-0.490	0.158	-0.097	1.291	176.100	-0.085
x		4.162	-15.770	-8.326	97.515%	-0.524	-0.026	-0.108	0.429	178.700	-0.081
σ		0.961	2.187	0.420	2.328%	0.031	0.160	0.015	0.756	4.550	0.007
%RSD		23.090	13.870	5.045	2.388	5.946	614.300	13.780	176.300	2.545	8.785
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:55:33	3.240	1.682	-0.093	-0.230	-0.371	0.126	0.092	-0.123	0.016	-0.294
2	15:56:38	1.876	2.234	-0.091	-0.208	-0.376	0.098	0.038	-0.169	0.091	-0.391
3	15:57:43	2.510	1.719	-0.091	-0.269	-0.195	0.093	0.077	-0.209	-0.161	-0.247
x		2.542	1.878	-0.092	-0.236	-0.314	0.106	0.069	-0.167	-0.018	-0.311
σ		0.683	0.309	0.001	0.031	0.103	0.018	0.028	0.043	0.129	0.073
%RSD		26.850	16.420	1.332	13.100	32.790	16.710	40.710	25.800	714.400	23.650
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:55:33	-0.183	-1.310	-0.225	0.000	0.000	-0.235	-0.154	95.034%	-0.245	-0.220
2	15:56:38	-0.178	-2.243	-0.505	0.000	0.000	-0.196	-0.160	99.005%	-0.251	-0.197
3	15:57:43	-0.276	-1.751	-0.288	0.000	0.000	-0.233	-0.164	98.781%	-0.249	-0.217
x		-0.212	-1.768	-0.339	0.000	0.000	-0.221	-0.159	97.607%	-0.248	-0.211
σ		0.055	0.467	0.147	0.000	0.000	0.022	0.005	2.231%	0.003	0.012
%RSD		25.930	26.390	43.270	0.000	0.000	9.906	2.953	2.286	1.210	5.728
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:55:33	-0.131	95.211%	-0.466	0.386	0.233	-0.042	0.427	-0.096	-0.066	95.185%
2	15:56:38	-0.136	99.397%	0.130	0.370	0.196	-0.018	0.416	-0.065	-0.043	99.433%
3	15:57:43	-0.139	98.474%	0.161	0.385	0.194	-0.017	0.421	-0.067	-0.044	98.271%
x		-0.135	97.694%	-0.059	0.380	0.208	-0.025	0.421	-0.076	-0.051	97.629%
σ		0.004	2.199%	0.353	0.009	0.022	0.014	0.006	0.017	0.013	2.196%
%RSD		2.800	2.251	603.600	2.439	10.580	54.830	1.323	23.070	24.860	2.249
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:55:33	-0.171	0.254	0.220	-0.127	96.149%	96.443%	0.046	0.280	-0.033	-0.026
2	15:56:38	-0.176	0.229	0.170	-0.126	99.259%	99.475%	0.037	0.274	-0.035	-0.027
3	15:57:43	-0.174	0.232	0.160	-0.136	100.119%	99.267%	0.034	0.275	-0.034	-0.032
x		-0.173	0.238	0.183	-0.130	98.509%	98.395%	0.039	0.276	-0.034	-0.028
σ		0.003	0.014	0.032	0.005	2.089%	1.694%	0.006	0.003	0.001	0.003
%RSD		1.467	5.811	17.460	4.203	2.120	1.721	14.970	1.156	2.776	10.740
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	15:55:33	0.030	96.467%	0.000	0.000						
2	15:56:38	0.028	99.665%	0.000	0.000						
3	15:57:43	0.026	100.564%	0.000	0.000						
x		0.028	98.899%	0.000	0.000						
σ		0.002	2.153%	0.000	0.000						
%RSD		7.335	2.177	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:59:51	99.625%	<u>m 107.800</u>	-0.131	0.143	0.000	468.400	493.400	487.400	<u>± 492.300</u>	<u>± 0.000</u>
2	16:00:56	101.836%	<u>m 102.600</u>	-0.296	0.136	0.000	454.400	471.000	473.000	456.900	<u>± 0.000</u>
3	16:02:01	100.005%	<u>m 103.200</u>	-0.461	0.026	0.000	447.000	467.400	459.700	444.400	<u>± 0.000</u>
x		100.488%	<u>m 104.500</u>	-0.296	0.102	0.000	456.600	477.300	473.300	<u>± 464.500</u>	<u>± 0.000</u>
σ		1.182%	<u>m 2.846</u>	0.165	0.066	0.000	10.870	14.080	13.870	<u>± 24.840</u>	<u>± 0.000</u>
%RSD		1.176	<u>m 2.722</u>	55.710	64.330	0.000	2.381	2.950	2.930	<u>± 5.346</u>	<u>± 0.000</u>
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:59:51	469.300	459.700	485.500	95.121%	-0.529	<u>m 107.400</u>	<u>m 107.300</u>	<u>m 108.600</u>	222.900	<u>m 108.000</u>
2	16:00:56	452.700	462.200	468.700	96.985%	-0.516	<u>m 102.000</u>	<u>m 101.400</u>	<u>m 100.900</u>	214.400	<u>m 102.600</u>
3	16:02:01	444.900	451.800	450.800	97.472%	-0.503	99.350	98.690	99.510	203.800	98.970
x		455.600	457.900	468.300	96.526%	-0.516	<u>m 102.900</u>	<u>m 102.500</u>	<u>m 103.000</u>	213.700	<u>m 103.200</u>
σ		12.500	5.416	17.360	1.241%	0.013	<u>m 4.101</u>	<u>m 4.399</u>	<u>m 4.894</u>	9.584	<u>m 4.542</u>
%RSD		2.745	1.183	3.706	1.286	2.547	<u>m 3.985</u>	<u>m 4.293</u>	<u>m 4.752</u>	4.485	<u>m 4.401</u>
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:59:51	491.000	496.900	<u>m 107.500</u>	<u>m 105.500</u>	<u>m 108.700</u>	<u>m 106.900</u>	<u>m 106.400</u>	<u>m 108.600</u>	<u>m 107.400</u>	<u>m 107.300</u>
2	16:00:56	462.500	472.500	<u>m 101.700</u>	<u>m 100.800</u>	<u>m 101.500</u>	<u>m 100.200</u>	<u>m 100.200</u>	<u>m 101.800</u>	<u>m 100.900</u>	<u>m 101.800</u>
3	16:02:01	445.600	459.300	97.790	97.150	96.160	97.670	97.140	<u>m 100.200</u>	98.270	99.070
x		466.400	476.200	<u>m 102.300</u>	<u>m 101.100</u>	<u>m 102.100</u>	<u>m 101.600</u>	<u>m 101.200</u>	<u>m 103.600</u>	<u>m 102.200</u>	<u>m 102.700</u>
σ		22.910	19.120	<u>m 4.865</u>	<u>m 4.168</u>	<u>m 6.279</u>	<u>m 4.751</u>	<u>m 4.730</u>	<u>m 4.472</u>	<u>m 4.703</u>	<u>m 4.204</u>
%RSD		4.913	4.014	<u>m 4.754</u>	<u>m 4.121</u>	<u>m 6.150</u>	<u>m 4.678</u>	<u>m 4.671</u>	<u>m 4.319</u>	<u>m 4.603</u>	<u>m 4.093</u>
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:59:51	<u>m 109.100</u>	<u>m 221.300</u>	<u>m 214.400</u>	0.000	0.000	<u>m 211.200</u>	-0.038	94.731%	-0.251	-0.211
2	16:00:56	<u>m 103.700</u>	<u>m 206.200</u>	<u>m 202.500</u>	0.000	0.000	<u>m 201.900</u>	-0.035	98.481%	-0.251	-0.216
3	16:02:01	<u>m 100.800</u>	<u>m 203.300</u>	<u>m 197.000</u>	0.000	0.000	<u>m 198.100</u>	-0.048	98.645%	-0.253	-0.225
x		<u>m 104.500</u>	<u>m 210.200</u>	<u>m 204.600</u>	0.000	0.000	<u>m 203.700</u>	-0.040	97.286%	-0.252	-0.217
σ		<u>m 4.199</u>	<u>m 9.660</u>	<u>m 8.869</u>	0.000	0.000	<u>m 6.776</u>	0.007	2.214%	0.001	0.007
%RSD		<u>m 4.018</u>	<u>m 4.595</u>	<u>m 4.335</u>	0.000	0.000	<u>m 3.326</u>	17.430	2.276	0.361	3.383
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:59:51	-0.134	94.722%	<u>m 109.600</u>	<u>m 106.300</u>	0.426	<u>m 106.000</u>	<u>m 106.400</u>	<u>m 108.400</u>	<u>m 108.700</u>	94.667%
2	16:00:56	-0.135	98.385%	<u>m 102.200</u>	<u>m 100.400</u>	0.380	98.380	<u>m 100.600</u>	<u>m 101.400</u>	<u>m 102.300</u>	98.389%
3	16:02:01	-0.134	98.737%	<u>m 100.800</u>	98.580	0.317	96.040	98.820	98.910	99.500	99.181%
x		-0.134	97.282%	<u>m 104.200</u>	<u>m 101.700</u>	0.374	<u>m 100.100</u>	<u>m 101.900</u>	<u>m 102.900</u>	<u>m 103.500</u>	97.412%
σ		0.000	2.223%	<u>m 4.748</u>	<u>m 4.039</u>	0.055	<u>m 5.206</u>	<u>m 3.990</u>	<u>m 4.890</u>	<u>m 4.725</u>	2.410%
%RSD		0.366	2.286	<u>m 4.557</u>	<u>m 3.969</u>	14.640	<u>m 5.199</u>	<u>m 3.914</u>	<u>m 4.753</u>	<u>m 4.565</u>	2.474
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:59:51	-0.170	<u>m 112.000</u>	<u>m 112.400</u>	<u>m 108.600</u>	97.379%	97.339%	<u>m 107.100</u>	<u>m 108.300</u>	<u>m 108.200</u>	<u>m 108.200</u>
2	16:00:56	-0.175	<u>m 105.600</u>	<u>m 105.400</u>	<u>m 101.500</u>	101.321%	101.053%	<u>m 102.100</u>	<u>m 102.700</u>	<u>m 103.200</u>	<u>m 102.200</u>
3	16:02:01	-0.181	<u>m 103.000</u>	<u>m 102.500</u>	99.120	102.049%	102.080%	<u>m 100.800</u>	<u>m 101.800</u>	<u>m 101.300</u>	<u>m 100.400</u>
x		-0.175	<u>m 106.800</u>	<u>m 106.800</u>	<u>m 103.100</u>	100.250%	100.157%	<u>m 103.300</u>	<u>m 104.300</u>	<u>m 104.200</u>	<u>m 103.600</u>
σ		0.005	<u>m 4.644</u>	<u>m 5.094</u>	<u>m 4.936</u>	2.513%	2.494%	<u>m 3.358</u>	<u>m 3.537</u>	<u>m 3.574</u>	<u>m 4.054</u>
%RSD		3.126	<u>m 4.346</u>	<u>m 4.771</u>	<u>m 4.789</u>	2.507	2.490	<u>m 3.250</u>	<u>m 3.392</u>	<u>m 3.429</u>	<u>m 3.913</u>
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	15:59:51	<u>m 108.500</u>	97.496%	0.000	0.000						
2	16:00:56	<u>m 103.000</u>	101.784%	0.000	0.000						
3	16:02:01	<u>m 101.200</u>	101.595%	0.000	0.000						
x		<u>m 104.300</u>	100.292%	0.000	0.000						
σ		<u>m 3.804</u>	2.423%	0.000	0.000						
%RSD		<u>m 3.648</u>	2.416	0.000	0.000						

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mp58043-s1 5/7/2011 16:03:04

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:04:09	83.330%	M 118.700	M 218.600	M 225.600	0.000	TM 379900.000	TM 25550.000	TM 25140.000	T 490.500	T 0.000
2	16:05:14	85.903%	M 108.800	M 207.500	M 216.200	0.000	TM 361200.000	TM 24030.000	TM 23660.000	448.400	T 0.000
3	16:06:19	85.512%	M 114.000	M 218.900	M 230.400	0.000	TM 375000.000	TM 25150.000	TM 24880.000	473.700	T 0.000
X		84.915%	M 113.800	M 215.000	M 224.100	0.000	TM 372000.000	TM 24910.000	TM 24560.000	T 470.900	T 0.000
σ		1.386%	M 4.929	M 6.503	M 7.211	0.000	TM 9702.000	TM 786.500	TM 788.100	T 21.180	T 0.000
%RSD		1.633	M 4.330	M 3.025	M 3.218	0.000	TM 2.608	TM 3.157	TM 3.209	T 4.499	T 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:04:09	TM 4384.000	M 34580.000	TM 38060.000	106.991%	5.818	93.800	92.180	93.300	166.600	TM 635.500
2	16:05:14	TM 4226.000	M 32870.000	TM 36140.000	111.026%	4.993	88.670	86.280	87.880	171.300	TM 595.200
3	16:06:19	TM 4413.000	M 34770.000	TM 38040.000	109.749%	5.230	93.490	91.310	91.050	199.900	TM 630.700
X		TM 4341.000	M 34070.000	TM 37410.000	109.255%	5.347	91.990	89.920	90.740	179.300	TM 620.500
σ		TM 100.700	M 1041.000	TM 1103.000	2.063%	0.425	2.881	3.187	2.720	18.000	TM 22.030
%RSD		TM 2.320	M 3.056	TM 2.948	1.888	7.940	3.132	3.544	2.997	10.040	TM 3.551
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:04:09	TM 13820.000	M 15320.000	92.720	88.240	M 118.000	91.300	88.670	90.300	96.890	98.450
2	16:05:14	TM 12940.000	M 14450.000	87.830	83.700	M 117.700	86.700	84.100	85.230	93.310	91.360
3	16:06:19	TM 13730.000	M 15380.000	92.680	88.620	M 127.200	91.650	88.770	90.690	97.360	98.150
X		TM 13490.000	M 15050.000	91.080	86.850	M 120.900	89.880	87.180	88.740	95.850	95.980
σ		TM 485.400	M 521.200	2.815	2.736	M 5.404	2.767	2.667	3.048	2.213	4.009
%RSD		TM 3.597	M 3.463	3.091	3.150	M 4.468	3.078	3.059	3.435	2.308	4.177
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:04:09	M 101.200	M 192.800	M 186.700	0.000	0.000	M 190.100	TM 448.700	90.183%	-0.199	-0.166
2	16:05:14	96.590	M 184.800	M 179.600	0.000	0.000	M 182.600	TM 428.900	93.744%	-0.199	-0.165
3	16:06:19	M 101.700	M 195.800	M 187.400	0.000	0.000	M 190.100	TM 446.700	92.185%	-0.183	-0.151
X		M 99.830	M 191.100	M 184.600	0.000	0.000	M 187.600	TM 441.400	92.038%	-0.194	-0.161
σ		M 2.816	M 5.685	M 4.314	0.000	0.000	M 4.315	TM 10.880	1.785%	0.009	0.008
%RSD		M 2.821	M 2.974	M 2.337	0.000	0.000	M 2.300	TM 2.465	1.939	4.840	5.071
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:04:09	-0.096	82.255%	M 104.000	M 103.000	0.713	M 104.300	M 102.300	M 106.500	M 105.700	85.560%
2	16:05:14	-0.103	85.431%	M 100.400	98.960	0.839	M 102.900	97.870	M 100.900	M 100.600	88.008%
3	16:06:19	-0.091	84.663%	M 101.100	M 101.900	0.986	M 105.600	M 101.000	M 105.000	M 104.700	86.860%
X		-0.096	84.116%	M 101.800	M 101.300	0.846	M 104.300	M 100.400	M 104.100	M 103.700	86.809%
σ		0.006	1.657%	M 1.919	M 2.094	0.137	M 1.388	M 2.285	M 2.863	M 2.716	1.224%
%RSD		5.867	1.970	M 1.885	M 2.068	16.170	M 1.331	M 2.276	M 2.749	M 2.620	1.410
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:04:09	-0.190	M 115.300	M 114.400	M 453.600	91.544%	92.597%	M 109.100	M 109.900	M 111.000	M 111.700
2	16:05:14	-0.182	M 108.400	M 108.400	M 429.100	94.924%	95.584%	M 103.900	M 105.600	M 105.600	M 105.900
3	16:06:19	-0.195	M 113.400	M 112.900	M 450.900	92.562%	93.554%	M 107.800	M 109.000	M 109.000	M 110.200
X		-0.189	M 112.400	M 111.900	M 444.500	93.010%	93.912%	M 107.000	M 108.200	M 108.600	M 109.300
σ		0.007	M 3.557	M 3.098	M 13.450	1.734%	1.525%	M 2.727	M 2.290	M 2.773	M 3.018
%RSD		3.590	M 3.164	M 2.768	M 3.026	1.864	1.624	M 2.549	M 2.117	M 2.555	M 2.761
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	16:04:09	M 111.800	85.704%	0.000	0.000						
2	16:05:14	M 106.200	88.751%	0.000	0.000						
3	16:06:19	M 110.000	87.179%	0.000	0.000						
X		M 109.300	87.211%	0.000	0.000						
σ		M 2.815	1.523%	0.000	0.000						
%RSD		M 2.575	1.747	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:08:27	82.419%	M 119.800	M 232.400	M 235.400	0.000	TM 389700.000	TM 26300.000	TM 25880.000	T 516.500	T 0.000
2	16:09:32	88.811%	M 108.500	M 213.000	M 220.500	0.000	TM 362900.000	TM 24360.000	TM 23920.000	T 473.300	T 0.000
3	16:10:37	88.061%	M 108.000	M 215.800	M 220.900	0.000	TM 359000.000	TM 23690.000	TM 23350.000	T 462.400	T 0.000
X		86.430%	M 112.100	M 220.400	M 225.600	0.000	TM 370600.000	TM 24780.000	TM 24380.000	T 484.100	T 0.000
σ		3.494%	M 6.703	M 10.510	M 8.508	0.000	TM 16700.000	TM 1352.000	TM 1328.000	T 28.640	T 0.000
%RSD		4.043	M 5.980	M 4.767	M 3.771	0.000	TM 4.508	TM 5.455	TM 5.446	T 5.915	T 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:08:27	TM 4515.000	M 35780.000	TM 39310.000	109.620%	5.539	96.350	93.950	93.790	216.400	TM 652.000
2	16:09:32	TM 4345.000	M 33860.000	TM 37150.000	112.727%	5.246	91.010	88.130	88.620	207.000	TM 609.900
3	16:10:37	TM 4195.000	M 32270.000	TM 35490.000	117.945%	5.145	86.500	83.420	82.440	215.900	TM 583.700
X		TM 4352.000	M 33970.000	TM 37310.000	113.431%	5.310	91.290	88.500	88.290	213.100	TM 615.200
σ		TM 160.200	M 1756.000	TM 1913.000	4.207%	0.205	4.930	5.276	5.685	5.260	TM 34.480
%RSD		TM 3.683	M 5.170	TM 5.125	3.708	3.856	5.401	5.962	6.439	2.469	TM 5.605
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:08:27	TM 14160.000	TM 15700.000	95.610	90.560	M 130.700	94.070	91.240	91.480	M 100.200	99.170
2	16:09:32	TM 13230.000	TM 14600.000	89.720	84.920	M 129.900	87.980	84.820	85.280	92.790	92.750
3	16:10:37	TM 12630.000	TM 14010.000	86.280	81.650	M 122.700	85.370	82.530	82.680	89.310	89.430
X		TM 13340.000	TM 14770.000	90.540	85.710	M 127.800	89.140	86.200	86.480	M 94.110	93.780
σ		TM 766.900	TM 857.400	4.719	4.509	M 4.427	4.464	4.515	4.521	M 5.586	4.951
%RSD		TM 5.749	TM 5.804	5.213	5.261	M 3.464	5.008	5.238	5.228	M 5.935	5.279
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:08:27	M 103.600	M 205.900	M 190.900	0.000	0.000	M 193.700	TM 461.500	92.029%	-0.216	-0.138
2	16:09:32	96.340	M 187.800	M 177.100	0.000	0.000	M 179.200	TM 418.500	98.961%	-0.235	-0.191
3	16:10:37	94.120	M 183.900	M 175.300	0.000	0.000	M 176.200	TM 415.600	99.620%	-0.212	-0.167
X		M 98.030	M 192.500	M 181.100	0.000	0.000	M 183.000	TM 431.900	96.870%	-0.221	-0.166
σ		M 4.983	M 11.750	M 8.562	0.000	0.000	M 9.400	TM 25.710	4.205%	0.012	0.027
%RSD		M 5.083	M 6.102	M 4.728	0.000	0.000	M 5.136	TM 5.952	4.341	5.633	16.100
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:08:27	-0.103	83.272%	M 109.400	M 104.600	0.562	M 107.200	M 103.900	M 107.500	M 108.300	86.480%
2	16:09:32	-0.104	88.329%	98.320	97.080	0.649	98.150	96.450	98.830	99.040	91.142%
3	16:10:37	-0.096	90.544%	94.840	95.210	0.608	94.440	94.410	96.620	97.070	92.557%
X		-0.101	87.382%	M 100.900	M 98.970	0.606	M 99.920	M 98.260	M 101.000	M 101.500	90.060%
σ		0.004	3.727%	M 7.623	M 4.992	0.044	M 6.538	M 5.010	M 5.769	M 5.999	3.180%
%RSD		4.359	4.265	M 7.558	M 5.043	7.236	M 6.544	M 5.099	M 5.712	M 5.912	3.531
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:08:27	-0.176	M 116.200	M 116.300	M 465.500	91.512%	92.096%	M 111.200	M 112.100	M 113.600	M 113.100
2	16:09:32	-0.191	M 107.100	M 106.100	M 424.200	96.524%	97.333%	M 103.500	M 104.300	M 104.700	M 104.700
3	16:10:37	-0.190	M 104.900	M 104.200	M 418.400	98.161%	98.304%	M 101.500	M 101.800	M 102.500	M 101.600
X		-0.186	M 109.400	M 108.900	M 436.000	95.399%	95.911%	M 105.400	M 106.100	M 106.900	M 106.500
σ		0.009	M 6.009	M 6.521	M 25.650	3.464%	3.339%	M 5.122	M 5.390	M 5.883	M 5.964
%RSD		4.608	M 5.493	M 5.990	M 5.883	3.632	3.482	M 4.860	M 5.081	M 5.501	M 5.601
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	16:08:27	M 114.000	84.888%	0.000	0.000						
2	16:09:32	M 105.100	89.284%	0.000	0.000						
3	16:10:37	M 102.400	90.846%	0.000	0.000						
X		M 107.200	88.339%	0.000	0.000						
σ		M 6.081	3.090%	0.000	0.000						
%RSD		M 5.673	3.497	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:12:45	85.780%	0.203	<u>M 226.900</u>	<u>M 231.500</u>	0.000	<u>TM 378600.000</u>	<u>TM 24830.000</u>	<u>TM 24430.000</u>	9.085	<u>T 0.000</u>
2	16:13:50	89.401%	0.087	<u>M 220.100</u>	<u>M 223.000</u>	0.000	<u>TM 366700.000</u>	<u>TM 23970.000</u>	<u>TM 23610.000</u>	7.644	<u>T 0.000</u>
3	16:14:55	89.666%	0.043	<u>M 217.200</u>	<u>M 223.800</u>	0.000	<u>TM 365700.000</u>	<u>TM 23950.000</u>	<u>TM 23660.000</u>	7.198	<u>T 0.000</u>
X		<u>88.282%</u>	<u>0.111</u>	<u>M 221.400</u>	<u>M 226.100</u>	<u>0.000</u>	<u>TM 370300.000</u>	<u>TM 24250.000</u>	<u>TM 23900.000</u>	<u>7.976</u>	<u>T 0.000</u>
σ		<u>2.171%</u>	<u>0.082</u>	<u>M 4.993</u>	<u>M 4.705</u>	<u>0.000</u>	<u>TM 7153.000</u>	<u>TM 504.300</u>	<u>TM 462.400</u>	<u>0.986</u>	<u>T 0.000</u>
%RSD		<u>2.460</u>	<u>73.980</u>	<u>M 2.255</u>	<u>M 2.081</u>	<u>0.000</u>	<u>TM 1.931</u>	<u>TM 2.080</u>	<u>TM 1.935</u>	<u>12.370</u>	<u>T 0.000</u>
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:12:45	<u>TM 3995.000</u>	<u>M 33960.000</u>	<u>TM 37440.000</u>	114.419%	5.199	0.688	1.697	1.422	217.800	<u>TM 530.400</u>
2	16:13:50	<u>TM 3922.000</u>	<u>M 33300.000</u>	<u>TM 36620.000</u>	117.386%	5.207	0.522	1.427	0.813	220.200	<u>TM 520.100</u>
3	16:14:55	<u>TM 3931.000</u>	<u>M 33030.000</u>	<u>TM 36420.000</u>	119.451%	5.282	0.875	1.385	1.663	216.400	<u>TM 516.200</u>
X		<u>TM 3949.000</u>	<u>M 33430.000</u>	<u>TM 36830.000</u>	117.086%	5.230	0.695	1.503	1.299	218.100	<u>TM 522.200</u>
σ		<u>TM 39.890</u>	<u>M 474.000</u>	<u>TM 540.400</u>	2.530%	0.046	0.176	0.169	0.438	1.896	<u>TM 7.292</u>
%RSD		<u>TM 1.010</u>	<u>M 1.418</u>	<u>TM 1.467</u>	2.160	0.874	25.380	11.270	33.710	0.869	<u>TM 1.396</u>
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:12:45	<u>TM 13060.000</u>	<u>TM 14520.000</u>	2.919	0.782	41.920	3.776	0.224	0.484	9.205	6.713
2	16:13:50	<u>TM 12900.000</u>	<u>M 14490.000</u>	2.758	0.801	42.660	3.784	0.088	0.335	9.240	6.330
3	16:14:55	<u>TM 12810.000</u>	<u>M 14430.000</u>	2.760	0.633	42.570	3.647	0.055	0.246	8.602	6.323
X		<u>TM 12920.000</u>	<u>TM 14480.000</u>	2.813	0.739	42.380	3.736	0.123	0.355	9.016	6.455
σ		<u>TM 124.600</u>	<u>TM 46.300</u>	0.092	0.092	0.404	0.077	0.090	0.120	0.359	0.223
%RSD		<u>TM 0.964</u>	<u>TM 0.320</u>	3.287	12.500	0.953	2.054	73.150	33.900	3.977	3.457
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:12:45	0.945	8.577	0.605	0.000	0.000	1.240	<u>TM 441.300</u>	97.280%	-0.220	-0.195
2	16:13:50	0.862	8.451	0.206	0.000	0.000	1.162	<u>TM 431.500</u>	99.240%	-0.230	-0.190
3	16:14:55	0.635	9.431	0.123	0.000	0.000	1.068	<u>TM 428.800</u>	100.346%	-0.221	-0.157
X		<u>0.814</u>	<u>8.820</u>	<u>0.311</u>	<u>0.000</u>	<u>0.000</u>	<u>1.156</u>	<u>TM 433.900</u>	<u>98.955%</u>	<u>-0.223</u>	<u>-0.181</u>
σ		<u>0.160</u>	<u>0.533</u>	<u>0.258</u>	<u>0.000</u>	<u>0.000</u>	<u>0.086</u>	<u>TM 6.533</u>	1.553%	0.006	0.021
%RSD		<u>19.680</u>	<u>6.044</u>	<u>82.750</u>	<u>0.000</u>	<u>0.000</u>	<u>7.465</u>	<u>TM 1.506</u>	1.569	2.474	11.580
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:12:45	-0.106	88.286%	-2.381	0.563	0.365	0.079	0.592	-0.002	0.055	90.026%
2	16:13:50	-0.116	90.103%	-2.515	0.420	0.371	0.046	0.474	-0.150	-0.076	92.138%
3	16:14:55	-0.106	91.241%	-3.003	0.421	0.403	0.045	0.462	-0.217	-0.128	92.732%
X		<u>-0.109</u>	<u>89.877%</u>	<u>-2.633</u>	<u>0.468</u>	<u>0.380</u>	<u>0.057</u>	<u>0.509</u>	<u>-0.123</u>	<u>-0.049</u>	<u>91.632%</u>
σ		<u>0.006</u>	<u>1.491%</u>	<u>0.327</u>	<u>0.082</u>	<u>0.020</u>	<u>0.019</u>	<u>0.072</u>	<u>0.110</u>	<u>0.094</u>	<u>1.422%</u>
%RSD		<u>5.475</u>	<u>1.659</u>	<u>12.430</u>	<u>17.620</u>	<u>5.392</u>	<u>33.530</u>	<u>14.110</u>	<u>89.380</u>	<u>190.400</u>	<u>1.552</u>
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:12:45	-0.192	0.402	0.349	<u>M 330.100</u>	93.608%	94.494%	0.488	0.721	0.250	0.243
2	16:13:50	-0.177	0.253	0.198	<u>M 324.800</u>	95.883%	97.068%	0.323	0.552	0.092	0.089
3	16:14:55	-0.184	0.209	0.198	<u>M 325.200</u>	96.368%	96.812%	0.321	0.567	0.057	0.055
X		<u>-0.184</u>	<u>0.288</u>	<u>0.248</u>	<u>M 326.700</u>	<u>95.286%</u>	<u>96.125%</u>	<u>0.377</u>	<u>0.613</u>	<u>0.133</u>	<u>0.129</u>
σ		<u>0.007</u>	<u>0.101</u>	<u>0.087</u>	<u>M 2.953</u>	1.474%	1.418%	0.096	0.093	0.103	0.100
%RSD		<u>3.981</u>	<u>35.140</u>	<u>35.060</u>	<u>M 0.904</u>	1.547	1.475	25.390	15.200	77.060	77.730
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	16:12:45	0.302	87.438%	0.000	0.000						
2	16:13:50	0.144	88.902%	0.000	0.000						
3	16:14:55	0.113	88.713%	0.000	0.000						
X		<u>0.186</u>	<u>88.351%</u>	<u>0.000</u>	<u>0.000</u>						
σ		<u>0.101</u>	<u>0.796%</u>	<u>0.000</u>	<u>0.000</u>						
%RSD		<u>54.240</u>	<u>0.901</u>	<u>0.000</u>	<u>0.000</u>						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:17:03	88.315%	0.032	M 220.200	M 231.800	0.000	TM 381200.000	TM 25080.000	TM 24780.000	± 7.973	± 0.000
2	16:18:08	89.614%	-0.043	M 201.800	M 209.700	0.000	TM 348100.000	TM 22360.000	TM 21970.000	5.832	± 0.000
3	16:19:13	90.448%	0.003	M 227.100	M 231.700	0.000	TM 377600.000	TM 24720.000	TM 24310.000	6.287	± 0.000
X		89.459%	-0.002	M 216.400	M 224.400	0.000	TM 369000.000	TM 24050.000	TM 23690.000	± 6.697	± 0.000
σ		1.075%	0.038	M 13.070	M 12.720	0.000	TM 18130.000	TM 1475.000	TM 1508.000	± 1.128	± 0.000
%RSD		1.201	1571.000	M 6.039	M 5.669	0.000	TM 4.915	TM 6.132	TM 6.365	± 16.850	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:17:03	TM 4099.000	M 34860.000	TM 38450.000	116.104%	5.557	0.623	1.406	0.927	238.000	TM 542.000
2	16:18:08	TM 3763.000	M 31050.000	TM 34360.000	118.714%	5.876	0.530	1.232	0.243	228.100	TM 484.300
3	16:19:13	TM 4009.000	M 33810.000	TM 37370.000	123.188%	5.340	0.518	1.291	1.630	241.600	TM 530.400
X		TM 3957.000	M 33240.000	TM 36730.000	119.335%	5.591	0.557	1.310	0.934	235.900	TM 518.900
σ		TM 173.700	M 1969.000	TM 2123.000	3.583%	0.270	0.057	0.088	0.694	7.010	TM 30.500
%RSD		TM 4.389	M 5.922	TM 5.779	3.002	4.823	10.320	6.731	74.280	2.972	TM 5.878
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:17:03	TM 13290.000	M 14980.000	2.748	2.681	42.800	3.525	-0.034	1.664	10.440	8.466
2	16:18:08	TM 11830.000	TM 13030.000	2.460	2.385	41.560	3.215	-0.067	1.456	8.979	6.810
3	16:19:13	TM 13040.000	TM 14420.000	2.593	2.473	46.220	3.646	-0.026	1.679	9.710	7.963
X		TM 12720.000	TM 14140.000	2.601	2.513	43.530	3.462	-0.042	1.600	9.711	7.746
σ		TM 781.700	TM 1003.000	0.144	0.152	2.413	0.223	0.022	0.124	0.733	0.849
%RSD		TM 6.147	TM 7.094	5.548	6.062	5.543	6.425	50.670	7.778	7.543	10.960
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:17:03	0.560	11.800	0.343	0.000	0.000	0.796	TM 450.800	98.273%	-0.207	-0.182
2	16:18:08	0.582	9.898	0.354	0.000	0.000	0.794	TM 401.800	101.707%	-0.229	-0.202
3	16:19:13	0.777	12.540	0.149	0.000	0.000	0.893	TM 444.100	101.386%	-0.223	-0.175
X		0.640	11.410	0.282	0.000	0.000	0.828	TM 432.200	100.455%	-0.220	-0.187
σ		0.120	1.365	0.115	0.000	0.000	0.056	TM 26.560	1.897%	0.011	0.014
%RSD		18.680	11.960	40.850	0.000	0.000	6.795	TM 6.145	1.888	4.969	7.517
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:17:03	-0.121	88.645%	-1.337	0.371	0.285	-0.096	0.422	-0.138	-0.091	91.044%
2	16:18:08	-0.112	92.185%	-2.203	0.374	0.350	0.016	0.410	-0.200	-0.144	92.424%
3	16:19:13	-0.118	91.966%	-2.298	0.371	0.355	0.016	0.403	-0.213	-0.146	93.322%
X		-0.117	90.932%	-1.946	0.372	0.330	-0.021	0.412	-0.184	-0.127	92.263%
σ		0.005	1.983%	0.530	0.002	0.039	0.065	0.010	0.040	0.031	1.147%
%RSD		3.872	2.181	27.230	0.582	11.910	305.100	2.355	21.720	24.670	1.244
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:17:03	-0.201	0.134	0.100	M 337.600	94.382%	95.526%	0.100	0.331	-0.004	0.016
2	16:18:08	-0.202	0.118	0.088	M 303.800	96.404%	96.984%	0.080	0.312	0.004	-0.005
3	16:19:13	-0.195	0.126	0.122	M 335.200	97.096%	97.088%	0.070	0.311	0.001	0.000
X		-0.199	0.126	0.103	M 325.500	95.961%	96.532%	0.083	0.318	0.000	0.004
σ		0.003	0.008	0.017	M 18.880	1.410%	0.874%	0.015	0.011	0.004	0.011
%RSD		1.742	6.328	16.180	M 5.799	1.469	0.905	18.280	3.601	2519.000	304.800
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	16:17:03	0.064	87.250%	0.000	0.000						
2	16:18:08	0.058	88.219%	0.000	0.000						
3	16:19:13	0.059	89.193%	0.000	0.000						
X		0.060	88.220%	0.000	0.000						
σ		0.003	0.971%	0.000	0.000						
%RSD		5.614	1.101	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:21:21	90.428%	0.032	M 216.000	M 224.300	0.000	TM 368700.000	TM 24390.000	TM 23920.000	5.515	± 0.000
2	16:22:26	92.010%	-0.046	M 218.700	M 219.900	0.000	TM 367200.000	TM 23960.000	TM 23670.000	5.314	± 0.000
3	16:23:31	90.654%	0.041	M 225.800	M 222.100	0.000	TM 367300.000	TM 24200.000	TM 23770.000	5.192	± 0.000
X		91.030%	0.009	M 220.200	M 222.100	0.000	TM 367700.000	TM 24180.000	TM 23790.000	5.340	± 0.000
σ		0.855%	0.048	M 5.089	M 2.179	0.000	TM 818.700	TM 214.500	TM 122.700	0.163	± 0.000
%RSD		0.940	519.700	M 2.311	M 0.981	0.000	TM 0.223	TM 0.887	TM 0.516	3.053	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:21:21	TM 3946.000	M 33470.000	TM 36980.000	120.179%	5.122	0.372	1.328	0.752	256.500	TM 529.000
2	16:22:26	TM 3950.000	M 33600.000	TM 36830.000	120.971%	4.985	0.706	1.318	1.771	254.600	TM 522.400
3	16:23:31	TM 3908.000	M 33010.000	TM 36180.000	123.566%	5.229	0.723	1.292	1.606	252.000	TM 513.700
X		TM 3934.000	M 33360.000	TM 36660.000	121.572%	5.112	0.601	1.313	1.376	254.400	TM 521.700
σ		TM 23.400	M 308.400	TM 425.700	1.772%	0.122	0.198	0.019	0.547	2.271	TM 7.670
%RSD		TM 0.595	M 0.925	TM 1.161	1.457	2.389	32.930	1.452	39.740	0.893	TM 1.470
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:21:21	TM 13120.000	TM 14520.000	2.656	0.679	38.410	3.376	0.027	0.208	9.225	6.535
2	16:22:26	TM 12990.000	TM 14330.000	2.635	0.720	40.520	3.414	0.024	0.217	9.609	6.412
3	16:23:31	TM 12820.000	M 14370.000	2.565	0.721	41.060	3.302	-0.006	0.232	9.150	6.614
X		TM 12980.000	TM 14410.000	2.619	0.707	40.000	3.364	0.015	0.219	9.328	6.520
σ		TM 147.900	TM 101.800	0.048	0.024	1.401	0.057	0.018	0.012	0.246	0.102
%RSD		TM 1.140	TM 0.707	1.817	3.351	3.504	1.692	120.700	5.550	2.640	1.559
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:21:21	0.733	13.450	0.142	0.000	0.000	0.959	TM 437.900	100.376%	-0.229	-0.186
2	16:22:26	0.692	14.420	0.265	0.000	0.000	0.897	TM 431.900	101.811%	-0.227	-0.196
3	16:23:31	0.661	14.650	0.205	0.000	0.000	0.867	TM 427.900	102.864%	-0.224	-0.172
X		0.695	14.170	0.204	0.000	0.000	0.907	TM 432.600	101.684%	-0.227	-0.184
σ		0.036	0.637	0.061	0.000	0.000	0.047	TM 5.041	1.249%	0.003	0.012
%RSD		5.239	4.496	30.000	0.000	0.000	5.173	TM 1.165	1.228	1.176	6.410
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:21:21	-0.126	90.638%	-2.769	0.376	0.386	0.018	0.416	-0.237	-0.165	91.770%
2	16:22:26	-0.118	91.874%	-2.882	0.364	0.400	0.127	0.406	-0.251	-0.169	94.061%
3	16:23:31	-0.121	93.123%	-1.620	0.376	0.313	0.042	0.404	-0.173	-0.116	94.938%
X		-0.121	91.878%	-2.424	0.372	0.366	0.062	0.409	-0.220	-0.150	93.590%
σ		0.004	1.243%	0.698	0.007	0.047	0.058	0.006	0.041	0.030	1.636%
%RSD		3.231	1.352	28.810	1.836	12.800	92.320	1.540	18.790	19.850	1.748
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:21:21	-0.192	0.129	0.119	M 333.600	95.928%	95.433%	0.055	0.298	0.006	0.017
2	16:22:26	-0.197	0.123	0.081	M 327.600	97.315%	97.139%	0.043	0.288	-0.001	-0.002
3	16:23:31	-0.187	0.129	0.071	M 325.600	97.528%	98.622%	0.048	0.285	0.015	0.002
X		-0.192	0.127	0.090	M 329.000	96.924%	97.065%	0.049	0.290	0.007	0.006
σ		0.005	0.003	0.025	M 4.161	0.869%	1.596%	0.006	0.007	0.008	0.010
%RSD		2.556	2.596	28.050	M 1.265	0.897	1.644	11.670	2.272	117.600	167.800
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	16:21:21	0.066	88.392%	0.000	0.000						
2	16:22:26	0.058	89.346%	0.000	0.000						
3	16:23:31	0.064	89.056%	0.000	0.000						
X		0.063	88.931%	0.000	0.000						
σ		0.004	0.489%	0.000	0.000						
%RSD		6.733	0.550	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:25:39	92.461%	0.023	M 214.300	M 216.700	0.000	TM 355500.000	TM 23120.000	TM 22810.000	5.289	± 0.000
2	16:26:45	94.189%	0.007	M 221.000	M 221.100	0.000	TM 361500.000	TM 23750.000	TM 23330.000	5.328	± 0.000
3	16:27:50	90.049%	0.004	M 226.800	M 225.300	0.000	TM 369500.000	TM 24340.000	TM 23880.000	5.383	± 0.000
X		92.233%	0.011	M 220.700	M 221.000	0.000	TM 362200.000	TM 23730.000	TM 23340.000	5.333	± 0.000
σ		2.079%	0.010	M 6.287	M 4.260	0.000	TM 7028.000	TM 611.000	TM 534.300	0.047	± 0.000
%RSD		2.255	92.170	M 2.849	M 1.927	0.000	TM 1.940	TM 2.574	TM 2.289	0.888	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:25:39	TM 3812.000	M 32110.000	TM 35390.000	123.993%	4.925	0.708	1.232	1.196	252.600	TM 501.300
2	16:26:45	TM 3913.000	M 33430.000	TM 36920.000	122.803%	4.995	0.671	1.442	1.351	260.300	TM 525.800
3	16:27:50	TM 3960.000	M 32940.000	TM 36600.000	123.707%	5.642	0.614	1.377	0.910	264.300	TM 521.400
X		TM 3895.000	M 32830.000	TM 36300.000	123.501%	5.188	0.664	1.350	1.153	259.000	TM 516.100
σ		TM 75.310	M 666.700	TM 809.000	0.621%	0.395	0.048	0.107	0.224	5.942	TM 13.070
%RSD		TM 1.934	M 2.031	TM 2.228	0.503	7.620	7.178	7.949	19.410	2.294	TM 2.532
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:25:39	TM 12140.000	M 13610.000	2.379	0.661	33.960	3.503	0.400	0.102	7.882	6.287
2	16:26:45	TM 12860.000	M 14400.000	2.582	0.671	36.570	3.630	0.461	0.091	9.431	6.414
3	16:27:50	TM 12720.000	M 14270.000	2.560	0.743	39.360	3.588	0.358	0.078	9.581	6.583
X		TM 12570.000	M 14090.000	2.507	0.691	36.630	3.574	0.406	0.090	8.965	6.428
σ		TM 376.300	M 425.800	0.111	0.045	2.700	0.065	0.052	0.012	0.941	0.148
%RSD		TM 2.993	M 3.021	4.433	6.502	7.372	1.811	12.810	12.990	10.500	2.309
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:25:39	0.581	13.220	-0.039	0.000	0.000	0.729	TM 411.900	104.917%	-0.211	-0.175
2	16:26:45	0.635	15.380	0.086	0.000	0.000	0.869	TM 434.100	102.178%	-0.226	-0.171
3	16:27:50	0.694	14.860	0.161	0.000	0.000	0.816	TM 425.100	104.316%	-0.229	-0.186
X		0.637	14.490	0.070	0.000	0.000	0.804	TM 423.700	103.804%	-0.222	-0.178
σ		0.056	1.130	0.101	0.000	0.000	0.071	TM 11.190	1.440%	0.009	0.008
%RSD		8.840	7.799	145.000	0.000	0.000	8.814	TM 2.640	1.387	4.209	4.296
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:25:39	-0.108	94.258%	-2.660	0.375	0.378	0.013	0.409	-0.233	-0.161	96.028%
2	16:26:45	-0.118	92.194%	-2.224	0.370	0.360	0.154	0.412	-0.211	-0.145	94.512%
3	16:27:50	-0.103	94.316%	-2.953	0.362	0.400	0.041	0.409	-0.255	-0.178	94.892%
X		-0.110	93.589%	-2.613	0.369	0.379	0.070	0.410	-0.233	-0.162	95.144%
σ		0.007	1.208%	0.367	0.007	0.020	0.075	0.002	0.022	0.016	0.789%
%RSD		6.793	1.291	14.040	1.802	5.350	107.600	0.471	9.339	10.110	0.829
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:25:39	-0.189	0.091	0.034	M 311.600	99.493%	99.707%	0.029	0.272	-0.002	0.005
2	16:26:45	-0.197	0.086	0.074	M 326.700	97.306%	97.798%	0.037	0.273	-0.001	-0.011
3	16:27:50	-0.187	0.081	0.046	M 324.400	97.663%	98.078%	0.042	0.269	0.002	0.002
X		-0.191	0.086	0.051	M 320.900	98.154%	98.527%	0.036	0.271	-0.000	-0.001
σ		0.006	0.005	0.021	M 8.102	1.173%	1.031%	0.006	0.002	0.002	0.009
%RSD		2.991	5.996	40.030	M 2.525	1.195	1.046	17.840	0.797	693.500	627.300
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	16:25:39	0.058	91.029%	0.000	0.000						
2	16:26:45	0.058	89.283%	0.000	0.000						
3	16:27:50	0.061	89.892%	0.000	0.000						
X		0.059	90.068%	0.000	0.000						
σ		0.002	0.886%	0.000	0.000						
%RSD		2.710	0.984	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:29:58	86.048%	-0.028	M 268.500	M 277.200	0.000	TM 539200.000	TM 76250.000	TM 75180.000	4.572	± 0.000
2	16:31:03	87.147%	-0.025	M 270.500	M 279.600	0.000	TM 540500.000	TM 76700.000	TM 75150.000	4.528	± 0.000
3	16:32:08	87.881%	-0.060	M 271.900	M 279.600	0.000	TM 533100.000	TM 74800.000	TM 73870.000	4.508	± 0.000
X		87.025%	-0.038	M 270.300	M 278.800	0.000	TM 537600.000	TM 75910.000	TM 74730.000	4.536	± 0.000
σ		0.923%	0.020	M 1.704	M 1.401	0.000	TM 3925.000	TM 988.100	TM 747.000	0.033	± 0.000
%RSD		1.060	51.670	M 0.630	M 0.503	0.000	TM 0.730	TM 1.302	TM 1.000	0.721	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:29:58	TM 8233.000	M 93580.000	TM 101500.000	119.072%	4.235	0.685	0.356	0.732	179.100	TM 1971.000
2	16:31:03	TM 8350.000	M 94610.000	TM 102200.000	119.288%	4.898	0.599	0.301	1.347	173.000	TM 1991.000
3	16:32:08	TM 8129.000	M 90990.000	TM 98920.000	124.008%	4.898	0.751	0.263	1.212	163.500	TM 1929.000
X		TM 8237.000	M 93060.000	TM 100900.000	120.789%	4.677	0.678	0.307	1.097	171.900	TM 1963.000
σ		TM 110.400	M 1863.000	TM 1735.000	2.790%	0.382	0.077	0.047	0.323	7.847	TM 31.310
%RSD		TM 1.340	M 2.002	TM 1.720	2.309	8.176	11.280	15.170	29.440	4.566	TM 1.594
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:29:58	TM 25100.000	TM 28100.000	0.838	-0.297	81.630	7.189	0.789	0.420	28.520	21.500
2	16:31:03	TM 25460.000	TM 28510.000	0.851	-0.362	M 102.800	8.424	0.798	0.384	30.310	21.490
3	16:32:08	TM 24580.000	TM 27470.000	0.828	-0.317	M 109.400	8.538	0.714	0.476	29.100	21.210
X		TM 25040.000	TM 28030.000	0.839	-0.325	M 97.930	8.051	0.767	0.427	29.310	21.400
σ		TM 443.000	TM 522.400	0.012	0.033	M 14.490	0.748	0.046	0.046	0.915	0.162
%RSD		TM 1.769	TM 1.864	1.402	10.180	M 14.800	9.294	6.014	10.870	3.123	0.758
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:29:58	0.531	16.970	0.073	0.000	0.000	1.467	TM 1193.000	99.585%	-0.250	-0.210
2	16:31:03	0.399	16.760	0.223	0.000	0.000	0.897	TM 1197.000	99.943%	-0.241	-0.187
3	16:32:08	0.488	14.750	-0.062	0.000	0.000	0.963	TM 1162.000	102.775%	-0.251	-0.207
X		0.473	16.160	0.078	0.000	0.000	1.109	TM 1184.000	100.768%	-0.247	-0.201
σ		0.068	1.224	0.143	0.000	0.000	0.312	TM 18.920	1.748%	0.005	0.012
%RSD		14.300	7.575	182.700	0.000	0.000	28.130	TM 1.598	1.735	2.126	6.120
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:29:58	-0.131	88.872%	-6.699	0.379	0.637	-0.038	0.410	-0.479	-0.325	90.461%
2	16:31:03	-0.128	88.904%	-7.311	0.378	0.674	-0.067	0.404	-0.514	-0.341	90.513%
3	16:32:08	-0.142	90.923%	-7.137	0.366	0.667	-0.011	0.410	-0.500	-0.337	92.249%
X		-0.134	89.566%	-7.049	0.374	0.659	-0.039	0.408	-0.498	-0.334	91.074%
σ		0.008	1.175%	0.315	0.007	0.020	0.028	0.003	0.018	0.009	1.018%
%RSD		5.646	1.312	4.474	1.944	3.034	72.370	0.800	3.576	2.575	1.118
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:29:58	-0.166	0.069	0.028	TM 1161.000	94.410%	94.784%	0.028	0.269	-0.023	-0.023
2	16:31:03	-0.195	0.043	0.018	TM 1170.000	95.037%	94.239%	0.026	0.265	-0.026	-0.021
3	16:32:08	-0.182	0.063	-0.006	TM 1143.000	96.482%	96.917%	0.023	0.266	-0.012	-0.028
X		-0.181	0.058	0.013	TM 1158.000	95.310%	95.313%	0.026	0.267	-0.020	-0.024
σ		0.015	0.014	0.018	TM 13.880	1.062%	1.415%	0.003	0.002	0.008	0.004
%RSD		8.267	23.420	131.800	TM 1.199	1.115	1.485	10.010	0.783	37.240	15.300
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	16:29:58	0.036	83.916%	0.000	0.000						
2	16:31:03	0.035	84.642%	0.000	0.000						
3	16:32:08	0.037	85.600%	0.000	0.000						
X		0.036	84.719%	0.000	0.000						
σ		0.001	0.845%	0.000	0.000						
%RSD		2.787	0.997	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:34:16	87.782%	-0.019	M 284.700	M 289.300	0.000	TM 573200.000	TM 80880.000	TM 80270.000	T 7.693	T 0.000
2	16:35:22	93.034%	-0.031	M 263.200	M 272.800	0.000	TM 546400.000	TM 77140.000	TM 76270.000	T 6.854	T 0.000
3	16:36:26	89.293%	-0.002	M 283.200	M 291.200	0.000	TM 580000.000	TM 82100.000	TM 80960.000	4.966	T 0.000
X		90.037%	-0.017	M 277.000	M 284.500	0.000	TM 566500.000	TM 80040.000	TM 79170.000	T 6.504	T 0.000
σ		2.704%	0.015	M 12.030	M 10.120	0.000	TM 17780.000	TM 2584.000	TM 2535.000	T 1.397	T 0.000
%RSD		3.003	86.250	M 4.343	M 3.559	0.000	TM 3.139	TM 3.228	TM 3.202	T 21.470	T 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:34:16	TM 10060.000	M 110400.000	TM 121000.000	0.000	6.076	0.791	0.610	1.383	202.200	TM 2311.000
2	16:35:22	TM 9712.000	M 106000.000	TM 115700.000	0.000	5.946	0.455	0.526	0.379	201.900	TM 2238.000
3	16:36:26	TM 10250.000	M 112700.000	TM 123300.000	0.000	6.308	0.417	0.630	0.315	208.200	TM 2376.000
X		TM 10010.000	M 109700.000	TM 120000.000	0.000	6.110	0.554	0.589	0.692	204.100	TM 2308.000
σ		TM 273.600	M 3376.000	TM 3873.000	0.000	0.183	0.206	0.055	0.599	3.518	TM 68.960
%RSD		TM 2.734	M 3.077	TM 3.228	0.000	2.998	37.200	9.376	86.550	1.723	TM 2.987
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:34:16	TM 29080.000	TM 32570.000	1.519	-0.009	M 129.800	9.245	0.705	1.776	32.970	24.330
2	16:35:22	TM 28220.000	TM 31540.000	1.476	-0.104	M 136.100	9.820	0.635	1.629	31.320	24.100
3	16:36:26	TM 29880.000	TM 33320.000	1.529	-0.025	M 146.200	10.660	0.765	1.761	33.840	25.070
X		TM 29060.000	TM 32480.000	1.508	-0.046	M 137.400	9.908	0.702	1.722	32.710	24.500
σ		TM 826.600	TM 897.200	0.028	0.051	M 8.240	0.711	0.065	0.081	1.280	0.505
%RSD		TM 2.845	TM 2.762	1.869	110.700	M 5.999	7.179	9.269	4.682	3.912	2.063
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:34:16	0.567	17.200	0.422	0.000	0.000	0.814	TM 1108.000	103.039%	-0.183	-0.148
2	16:35:22	0.457	16.930	0.648	0.000	0.000	0.735	TM 1091.000	104.750%	-0.173	-0.157
3	16:36:26	0.475	18.340	0.921	0.000	0.000	0.466	TM 1134.000	103.521%	-0.169	-0.163
X		0.500	17.490	0.663	0.000	0.000	0.672	TM 1111.000	103.770%	-0.175	-0.156
σ		0.059	0.751	0.250	0.000	0.000	0.183	TM 21.620	0.882%	0.007	0.007
%RSD		11.740	4.295	37.680	0.000	0.000	27.170	TM 1.947	0.850	4.143	4.651
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:34:16	-0.104	90.667%	-6.888	0.352	0.659	0.130	0.412	-0.482	-0.320	93.178%
2	16:35:22	-0.109	93.253%	-5.958	0.356	0.598	0.097	0.399	-0.436	-0.281	94.440%
3	16:36:26	-0.084	92.057%	-5.606	0.362	0.577	0.128	0.403	-0.410	-0.262	93.618%
X		-0.099	91.992%	-6.151	0.356	0.612	0.118	0.405	-0.443	-0.288	93.745%
σ		0.013	1.294%	0.662	0.005	0.043	0.018	0.007	0.036	0.030	0.641%
%RSD		13.210	1.407	10.770	1.433	6.971	15.330	1.625	8.176	10.300	0.684
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:34:16	-0.205	0.079	0.049	TM 1090.000	96.453%	96.954%	0.022	0.263	0.028	0.014
2	16:35:22	-0.191	0.063	0.033	TM 1063.000	97.882%	98.526%	0.027	0.264	0.020	0.019
3	16:36:26	-0.190	0.087	0.069	TM 1100.000	96.596%	96.601%	0.026	0.262	0.008	0.018
X		-0.195	0.076	0.050	TM 1084.000	96.977%	97.360%	0.025	0.263	0.019	0.017
σ		0.008	0.013	0.018	TM 19.270	0.787%	1.025%	0.002	0.001	0.010	0.003
%RSD		4.259	16.520	35.680	TM 1.777	0.811	1.053	8.717	0.352	52.280	15.610
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	16:34:16	0.077	85.018%	0.000	0.000						
2	16:35:22	0.074	87.041%	0.000	0.000						
3	16:36:26	0.072	86.074%	0.000	0.000						
X		0.074	86.044%	0.000	0.000						
σ		0.002	1.012%	0.000	0.000						
%RSD		2.814	1.176	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:38:35	101.942%	53.920	56.840	57.720	0.000	TM 1283.000	541.700	541.400	476.300	±0.000
2	16:39:40	99.212%	54.000	56.350	55.480	0.000	±763.900	487.800	487.900	479.000	±0.000
3	16:40:45	99.435%	53.890	53.070	55.380	0.000	599.700	473.000	474.000	474.500	±0.000
x		100.196%	53.930	55.420	56.190	0.000	TM 882.200	500.800	501.100	476.600	±0.000
σ		1.516%	0.059	2.046	1.321	0.000	TM 356.600	36.190	35.590	2.313	±0.000
%RSD		1.513	0.110	3.692	2.351	0.000	TM 40.430	7.227	7.102	0.485	±0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:38:35	459.400	601.400	585.300	105.667%	50.320	50.260	49.590	50.000	184.800	52.080
2	16:39:40	455.400	527.100	508.200	104.124%	49.950	50.570	50.110	51.260	181.000	50.290
3	16:40:45	449.200	500.100	486.700	102.353%	49.390	49.890	50.010	48.750	199.200	49.740
x		454.700	542.900	526.700	104.048%	49.880	50.240	49.900	50.000	188.300	50.700
σ		5.159	52.460	51.890	1.659%	0.469	0.342	0.272	1.255	9.637	1.221
%RSD		1.135	9.664	9.851	1.594	0.940	0.680	0.546	2.510	5.117	2.409
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:38:35	±500.000	514.400	50.300	50.640	92.810	51.760	50.180	49.930	48.920	50.160
2	16:39:40	±476.200	494.200	50.530	50.730	72.040	51.110	49.350	49.620	51.120	51.020
3	16:40:45	±467.500	480.100	50.080	50.930	62.290	50.150	49.330	49.570	49.100	50.700
x		±481.200	496.200	50.300	50.770	75.710	51.000	49.620	49.710	49.710	50.630
σ		±16.800	17.250	0.224	0.147	15.590	0.813	0.484	0.198	1.227	0.432
%RSD		±3.491	3.476	0.445	0.290	20.590	1.594	0.975	0.399	2.467	0.853
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:38:35	51.100	53.920	50.910	0.000	0.000	50.460	50.960	106.698%	49.520	49.470
2	16:39:40	51.310	54.560	51.860	0.000	0.000	51.270	50.030	104.090%	50.090	50.150
3	16:40:45	51.190	52.980	51.170	0.000	0.000	50.420	49.700	103.685%	49.980	50.070
x		51.200	53.820	51.310	0.000	0.000	50.720	50.230	104.825%	49.860	49.900
σ		0.103	0.796	0.491	0.000	0.000	0.481	0.654	1.635%	0.300	0.372
%RSD		0.200	1.479	0.957	0.000	0.000	0.948	1.302	1.560	0.602	0.745
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:38:35	50.050	103.142%	48.780	49.090	0.451	49.330	48.790	49.770	49.680	102.526%
2	16:39:40	50.360	101.793%	51.990	49.550	0.174	48.400	49.080	50.140	49.830	100.590%
3	16:40:45	49.960	100.185%	48.590	49.370	0.376	48.020	48.970	49.310	49.710	100.354%
x		50.120	101.707%	49.790	49.340	0.334	48.580	48.940	49.740	49.740	101.157%
σ		0.208	1.481%	1.913	0.231	0.143	0.677	0.147	0.413	0.079	1.192%
%RSD		0.416	1.456	3.841	0.468	42.940	1.394	0.300	0.831	0.160	1.178
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:38:35	49.280	48.530	48.900	51.610	100.738%	100.856%	49.620	49.090	49.630	49.610
2	16:39:40	49.760	49.530	49.610	51.250	98.800%	99.501%	50.000	49.560	50.210	49.840
3	16:40:45	49.380	49.270	49.500	50.340	98.797%	97.976%	50.050	49.850	50.680	50.370
x		49.470	49.110	49.340	51.060	99.445%	99.444%	49.890	49.500	50.170	49.940
σ		0.251	0.519	0.382	0.656	1.120%	1.441%	0.232	0.388	0.528	0.392
%RSD		0.507	1.056	0.773	1.285	1.126	1.449	0.465	0.784	1.052	0.786
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	16:38:35	49.540	99.832%	0.000	0.000						
2	16:39:40	50.090	98.544%	0.000	0.000						
3	16:40:45	50.280	97.116%	0.000	0.000						
x		49.970	98.497%	0.000	0.000						
σ		0.386	1.359%	0.000	0.000						
%RSD		0.772	1.379	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:42:53	98.510%	-0.047	3.368	3.949	0.000	68.310	8.197	8.538	3.266	±0.000
2	16:43:58	101.396%	-0.115	2.973	3.063	0.000	40.340	4.647	4.960	2.321	±0.000
3	16:45:04	99.476%	-0.127	3.020	2.621	0.000	30.430	3.192	3.485	2.205	±0.000
x		99.794%	-0.096	3.120	3.211	0.000	46.360	5.345	5.661	2.597	±0.000
σ		1.469%	0.043	0.215	0.676	0.000	19.640	2.575	2.598	0.582	±0.000
%RSD		1.472	44.980	6.903	21.060	0.000	42.370	48.160	45.900	22.390	±0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:42:53	-0.804	-9.848	-4.509	99.200%	-0.394	-0.022	0.006	0.166	196.500	0.195
2	16:43:58	-3.046	-16.720	-9.432	102.605%	-0.528	0.241	-0.038	0.497	192.100	0.032
3	16:45:04	-1.139	-18.360	-11.290	101.384%	-0.533	0.122	-0.037	-0.360	205.600	-0.018
x		-1.663	-14.970	-8.411	101.063%	-0.485	0.114	-0.023	0.101	198.100	0.069
σ		1.209	4.514	3.504	1.725%	0.079	0.131	0.025	0.432	6.925	0.111
%RSD		72.710	30.150	41.660	1.707	16.250	115.700	107.500	428.000	3.496	160.800
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:42:53	8.561	11.900	0.014	-0.060	3.748	-0.002	-0.222	-0.368	-0.375	-0.504
2	16:43:58	4.890	8.240	-0.057	-0.173	2.699	-0.131	-0.297	-0.494	-0.415	-0.590
3	16:45:04	5.273	8.462	-0.071	-0.185	1.504	-0.171	-0.320	-0.503	-0.135	-0.630
x		6.241	9.534	-0.038	-0.139	2.650	-0.101	-0.279	-0.455	-0.308	-0.575
σ		2.018	2.051	0.045	0.069	1.123	0.088	0.051	0.075	0.151	0.064
%RSD		32.330	21.510	119.700	49.700	42.380	87.420	18.310	16.520	49.090	11.140
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:42:53	-0.173	2.797	-0.126	0.000	0.000	-0.027	0.089	100.318%	-0.077	-0.038
2	16:43:58	-0.144	1.539	-0.223	0.000	0.000	-0.235	-0.069	104.615%	-0.178	-0.117
3	16:45:04	-0.122	2.430	-0.291	0.000	0.000	-0.209	-0.114	102.274%	-0.219	-0.154
x		-0.146	2.255	-0.214	0.000	0.000	-0.157	-0.031	102.402%	-0.158	-0.103
σ		0.026	0.647	0.083	0.000	0.000	0.113	0.106	2.151%	0.073	0.060
%RSD		17.490	28.690	38.860	0.000	0.000	72.240	339.900	2.101	46.070	57.900
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:42:53	0.034	99.790%	0.250	0.470	0.187	-0.043	0.489	0.025	0.040	96.873%
2	16:43:58	-0.081	102.394%	-0.652	0.382	0.249	0.006	0.436	-0.080	-0.063	100.725%
3	16:45:04	-0.084	100.902%	-0.578	0.382	0.239	-0.070	0.403	-0.094	-0.069	99.249%
x		-0.043	101.029%	-0.327	0.411	0.225	-0.036	0.443	-0.050	-0.031	98.949%
σ		0.067	1.307%	0.501	0.051	0.033	0.039	0.044	0.065	0.061	1.944%
%RSD		155.500	1.293	153.400	12.290	14.720	107.500	9.898	130.500	198.100	1.964
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:42:53	-0.055	0.891	0.841	0.239	95.764%	95.706%	0.183	0.404	0.134	0.116
2	16:43:58	-0.141	0.510	0.502	0.028	99.389%	98.598%	0.106	0.343	0.013	0.021
3	16:45:04	-0.149	0.401	0.374	-0.039	96.388%	96.074%	0.087	0.333	-0.022	-0.002
x		-0.115	0.601	0.573	0.076	97.180%	96.793%	0.126	0.360	0.041	0.045
σ		0.052	0.257	0.242	0.145	1.938%	1.574%	0.051	0.038	0.082	0.062
%RSD		45.430	42.790	42.210	191.400	1.994	1.626	40.550	10.690	197.500	138.400
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	16:42:53	0.179	96.373%	0.000	0.000						
2	16:43:58	0.077	97.712%	0.000	0.000						
3	16:45:04	0.048	96.209%	0.000	0.000						
x		0.101	96.765%	0.000	0.000						
σ		0.069	0.824%	0.000	0.000						
%RSD		68.050	0.852	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:47:12	86.872%	0.015	M 263.500	M 273.000	0.000	TM 519900.000	TM 72030.000	TM 71030.000	TM 9.916	TM 0.000
2	16:48:17	87.141%	0.034	M 275.100	M 280.900	0.000	TM 529000.000	TM 73550.000	TM 72600.000	7.192	TM 0.000
3	16:49:22	89.796%	-0.072	M 271.000	M 275.500	0.000	TM 518400.000	TM 72320.000	TM 71120.000	6.401	TM 0.000
X		87.936%	-0.008	M 269.900	M 276.400	0.000	TM 522400.000	TM 72630.000	TM 71590.000	TM 7.836	TM 0.000
σ		1.616%	0.056	M 5.907	M 4.044	0.000	TM 5749.000	TM 807.600	TM 882.400	TM 1.844	TM 0.000
%RSD		1.838	715.100	M 2.189	M 1.463	0.000	TM 1.100	TM 1.112	TM 1.233	TM 23.530	TM 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:47:12	TM 8008.000	M 84990.000	TM 92870.000	122.696%	4.227	0.669	0.419	1.243	142.400	TM 1864.000
2	16:48:17	TM 8141.000	M 87190.000	TM 94830.000	124.574%	4.908	0.536	0.293	0.690	147.400	TM 1912.000
3	16:49:22	TM 8004.000	M 85470.000	TM 92730.000	127.583%	4.627	0.769	0.294	0.858	143.200	TM 1889.000
X		TM 8051.000	M 85890.000	TM 93480.000	124.951%	4.588	0.658	0.335	0.930	144.300	TM 1889.000
σ		TM 77.990	M 1156.000	TM 1176.000	2.465%	0.342	0.117	0.073	0.283	2.696	TM 24.290
%RSD		TM 0.969	M 1.346	TM 1.258	1.973	7.461	17.760	21.660	30.450	1.868	TM 1.286
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:47:12	TM 23690.000	TM 26510.000	0.879	-0.362	73.820	6.094	0.258	0.222	26.790	19.420
2	16:48:17	TM 24360.000	TM 27350.000	0.919	-0.280	92.900	7.276	0.307	0.154	28.360	20.820
3	16:49:22	TM 24120.000	TM 27000.000	0.922	-0.276	M 102.800	7.668	0.293	0.168	27.560	20.430
X		TM 24060.000	TM 26960.000	0.907	-0.306	M 89.860	7.013	0.286	0.181	27.570	20.220
σ		TM 342.000	TM 420.000	0.024	0.049	M 14.750	0.820	0.025	0.036	0.784	0.726
%RSD		TM 1.422	TM 1.558	2.603	15.900	M 16.410	11.690	8.806	19.710	2.842	3.588
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:47:12	0.570	9.905	0.033	0.000	0.000	1.400	TM 1100.000	102.812%	-0.204	-0.162
2	16:48:17	0.668	11.170	0.201	0.000	0.000	1.275	TM 1139.000	102.474%	-0.221	-0.168
3	16:49:22	0.564	11.300	0.255	0.000	0.000	0.858	TM 1121.000	104.575%	-0.215	-0.183
X		0.601	10.790	0.163	0.000	0.000	1.178	TM 1120.000	103.287%	-0.213	-0.171
σ		0.059	0.769	0.116	0.000	0.000	0.284	TM 19.550	1.128%	0.009	0.011
%RSD		9.747	7.130	71.090	0.000	0.000	24.090	TM 1.746	1.092	4.152	6.340
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:47:12	-0.117	91.439%	-6.067	0.363	0.609	0.157	0.400	-0.450	-0.304	93.008%
2	16:48:17	-0.120	90.419%	-7.353	0.366	0.679	-0.039	0.402	-0.515	-0.346	91.913%
3	16:49:22	-0.130	92.732%	-7.257	0.376	0.681	0.071	0.397	-0.514	-0.349	94.008%
X		-0.122	91.530%	-6.892	0.368	0.656	0.063	0.400	-0.493	-0.333	92.976%
σ		0.007	1.159%	0.716	0.007	0.041	0.098	0.002	0.037	0.025	1.048%
%RSD		5.491	1.266	10.390	1.844	6.217	156.300	0.565	7.592	7.585	1.127
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:47:12	-0.178	0.293	0.243	TM 1082.000	97.272%	96.772%	0.033	0.275	-0.010	-0.004
2	16:48:17	-0.179	0.239	0.237	TM 1125.000	96.099%	96.511%	0.033	0.272	-0.015	-0.018
3	16:49:22	-0.181	0.191	0.169	TM 1107.000	97.507%	97.879%	0.029	0.266	-0.020	-0.002
X		-0.179	0.241	0.216	TM 1105.000	96.959%	97.054%	0.032	0.271	-0.015	-0.008
σ		0.001	0.051	0.041	TM 21.310	0.754%	0.726%	0.003	0.004	0.005	0.009
%RSD		0.823	21.130	18.980	TM 1.928	0.778	0.748	8.011	1.639	34.350	108.000
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	16:47:12	0.054	86.083%	0.000	0.000						
2	16:48:17	0.043	84.763%	0.000	0.000						
3	16:49:22	0.043	86.317%	0.000	0.000						
X		0.047	85.721%	0.000	0.000						
σ		0.006	0.838%	0.000	0.000						
%RSD		13.480	0.977	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:51:30	89.208%	-0.016	M 286.400	M 294.200	0.000	TM 606000.000	TM 86460.000	TM 85840.000	5.337	± 0.000
2	16:52:35	91.650%	-0.029	M 282.400	M 290.000	0.000	TM 597100.000	TM 85010.000	TM 84140.000	5.147	± 0.000
3	16:53:40	92.641%	-0.050	M 282.500	M 285.200	0.000	TM 590800.000	TM 84660.000	TM 83740.000	5.176	± 0.000
X		91.166%	-0.032	M 283.800	M 289.800	0.000	TM 597900.000	TM 85380.000	TM 84580.000	5.220	± 0.000
σ		1.767%	0.017	M 2.291	M 4.529	0.000	TM 7625.000	TM 956.700	TM 1112.000	0.102	± 0.000
%RSD		1.938	52.970	M 0.807	M 1.563	0.000	TM 1.275	TM 1.121	TM 1.315	1.954	± 0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:51:30	TM 10610.000	M 119900.000	TM 130900.000	0.000	6.632	0.520	0.564	-0.093	199.700	TM 2452.000
2	16:52:35	TM 10520.000	M 118900.000	TM 130100.000	0.000	6.617	0.710	0.553	0.527	196.500	TM 2438.000
3	16:53:40	TM 10550.000	M 118300.000	TM 129100.000	0.000	6.395	0.840	0.490	0.935	189.300	TM 2428.000
X		TM 10560.000	M 119000.000	TM 130100.000	0.000	6.548	0.690	0.535	0.457	195.200	TM 2440.000
σ		TM 42.910	M 818.800	TM 906.600	0.000	0.133	0.161	0.040	0.518	5.324	TM 12.100
%RSD		TM 0.406	M 0.688	TM 0.697	0.000	2.028	23.360	7.463	113.300	2.728	TM 0.496

Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:51:30	TM 31300.000	TM 34860.000	1.130	-0.078	M 134.100	9.899	0.417	1.524	33.660	25.760
2	16:52:35	TM 31170.000	TM 34690.000	1.065	-0.028	M 146.800	10.210	0.464	1.570	36.140	26.370
3	16:53:40	TM 30970.000	TM 34450.000	1.025	0.055	M 151.600	10.530	0.452	1.527	33.820	25.680
X		TM 31150.000	TM 34670.000	1.073	-0.017	M 144.200	10.210	0.444	1.540	34.540	25.940
σ		TM 162.400	TM 204.800	0.053	0.067	M 9.069	0.315	0.025	0.026	1.390	0.379
%RSD		TM 0.521	TM 0.591	4.945	397.200	M 6.290	3.084	5.572	1.676	4.026	1.461

Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:51:30	0.651	18.230	0.844	0.000	0.000	0.893	TM 1179.000	105.825%	-0.244	-0.190
2	16:52:35	0.355	19.690	0.667	0.000	0.000	0.610	TM 1177.000	106.485%	-0.219	-0.193
3	16:53:40	0.609	18.150	0.872	0.000	0.000	0.827	TM 1161.000	108.356%	-0.224	-0.194
X		0.538	18.690	0.794	0.000	0.000	0.777	TM 1172.000	106.889%	-0.229	-0.192
σ		0.160	0.865	0.111	0.000	0.000	0.148	TM 9.846	1.313%	0.013	0.002
%RSD		29.780	4.627	14.020	0.000	0.000	19.020	TM 0.840	1.228	5.805	0.965

Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:51:30	-0.126	93.088%	-6.591	0.364	0.642	0.152	0.404	-0.475	-0.318	95.507%
2	16:52:35	-0.121	94.022%	-6.479	0.357	0.633	0.123	0.399	-0.472	-0.319	95.935%
3	16:53:40	-0.126	95.365%	-7.466	0.369	0.716	0.390	0.400	-0.550	-0.374	96.940%
X		-0.124	94.159%	-6.845	0.363	0.664	0.221	0.401	-0.499	-0.337	96.127%
σ		0.003	1.145%	0.540	0.006	0.046	0.147	0.003	0.044	0.032	0.736%
%RSD		2.026	1.216	7.895	1.678	6.861	66.170	0.684	8.866	9.427	0.766

Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:51:30	-0.172	0.168	0.106	TM 1156.000	98.807%	98.224%	0.025	0.265	-0.024	-0.023
2	16:52:35	-0.169	0.163	0.115	TM 1150.000	99.036%	98.410%	0.024	0.265	-0.029	-0.020
3	16:53:40	-0.181	0.125	0.099	TM 1147.000	99.398%	99.609%	0.028	0.262	-0.024	-0.023
X		-0.174	0.152	0.107	TM 1151.000	99.080%	98.747%	0.026	0.264	-0.026	-0.022
σ		0.006	0.023	0.008	TM 4.860	0.298%	0.752%	0.002	0.002	0.003	0.002
%RSD		3.451	15.450	7.727	TM 0.422	0.301	0.761	8.849	0.615	11.280	7.676

Run	Time	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb
1	16:51:30	0.036	85.837%	0.000	0.000
2	16:52:35	0.035	87.277%	0.000	0.000
3	16:53:40	0.036	86.372%	0.000	0.000
X		0.036	86.495%	0.000	0.000
σ		0.000	0.728%	0.000	0.000
%RSD		0.402	0.842	0.000	0.000

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:55:48	85.581%	-0.107	M 172.700	M 180.300	0.000	TM 692800.000	TM 73000.000	TM 72410.000	4.817	± 0.000
2	16:56:53	88.192%	-0.079	M 170.900	M 179.500	0.000	TM 693900.000	TM 73680.000	TM 73240.000	5.049	± 0.000
3	16:57:58	91.533%	-0.087	M 176.000	M 178.200	0.000	TM 684400.000	TM 72930.000	TM 72260.000	4.867	± 0.000
X		88.435%	-0.091	M 173.200	M 179.300	0.000	TM 690300.000	TM 73200.000	TM 72640.000	4.911	± 0.000
σ		2.984%	0.015	M 2.581	M 1.036	0.000	TM 5200.000	TM 417.200	TM 524.800	0.122	± 0.000
%RSD		3.374	15.950	M 1.490	M 0.578	0.000	TM 0.753	TM 0.570	TM 0.723	2.490	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:55:48	TM 6676.000	M 100000.000	TM 110900.000	0.000	4.557	-0.063	0.043	0.083	107.500	TM 17540.000
2	16:56:53	TM 6824.000	M 102300.000	TM 112600.000	0.000	4.221	0.050	0.050	0.769	97.450	TM 17770.000
3	16:57:58	TM 6796.000	M 102100.000	TM 113200.000	0.000	4.882	-0.022	0.026	-0.096	94.420	TM 17790.000
X		TM 6765.000	M 101500.000	TM 112200.000	0.000	4.553	-0.012	0.040	0.252	99.810	TM 17700.000
σ		TM 78.410	M 1272.000	TM 1220.000	0.000	0.331	0.057	0.012	0.457	6.874	TM 141.700
%RSD		TM 1.159	M 1.254	TM 1.087	0.000	7.266	490.100	31.380	181.300	6.888	TM 0.801
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:55:48	TM 275600.000	TM 312800.000	-0.166	0.055	M 103.600	9.301	1.210	1.535	68.820	50.670
2	16:56:53	TM 280400.000	TM 316900.000	-0.169	0.365	M 126.100	10.570	1.244	1.619	69.380	51.030
3	16:57:58	TM 279400.000	TM 317400.000	-0.161	0.377	M 151.900	11.660	1.227	1.624	68.920	51.400
X		TM 278500.000	TM 315700.000	-0.165	0.266	M 127.200	10.510	1.227	1.593	69.040	51.030
σ		TM 2567.000	TM 2531.000	0.004	0.182	M 24.140	1.182	0.017	0.050	0.299	0.368
%RSD		TM 0.922	TM 0.802	2.640	68.710	M 18.980	11.240	1.388	3.144	0.433	0.721
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:55:48	0.807	8.082	1.159	0.000	0.000	1.909	TM 1044.000	110.556%	-0.164	-0.168
2	16:56:53	0.736	8.285	1.330	0.000	0.000	1.800	TM 1042.000	114.929%	-0.177	-0.174
3	16:57:58	0.684	8.977	1.492	0.000	0.000	1.609	TM 1043.000	117.430%	-0.175	-0.186
X		0.742	8.448	1.327	0.000	0.000	1.773	TM 1043.000	114.305%	-0.172	-0.176
σ		0.062	0.469	0.166	0.000	0.000	0.152	TM 1.035	3.479%	0.007	0.009
%RSD		8.319	5.551	12.540	0.000	0.000	8.568	TM 0.099	3.044	4.038	5.248
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:55:48	-0.129	97.050%	-6.761	0.376	0.642	-0.043	0.402	-0.486	-0.325	97.573%
2	16:56:53	-0.127	99.788%	-6.470	0.356	0.632	0.111	0.398	-0.465	-0.319	101.257%
3	16:57:58	-0.123	102.127%	-6.208	0.360	0.611	0.055	0.404	-0.450	-0.304	104.012%
X		-0.126	99.655%	-6.480	0.364	0.628	0.041	0.401	-0.467	-0.316	100.947%
σ		0.003	2.541%	0.277	0.010	0.016	0.078	0.003	0.018	0.011	3.230%
%RSD		2.245	2.550	4.268	2.867	2.480	189.500	0.704	3.789	3.480	3.200
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:55:48	-0.187	0.082	0.048	TM 2132.000	99.994%	99.530%	0.064	0.303	0.009	0.012
2	16:56:53	-0.197	0.086	0.049	TM 2148.000	102.054%	101.729%	0.062	0.303	0.019	0.014
3	16:57:58	-0.195	0.086	0.029	TM 2145.000	103.289%	103.581%	0.062	0.303	0.009	0.008
X		-0.193	0.085	0.042	TM 2142.000	101.779%	101.613%	0.063	0.303	0.012	0.011
σ		0.005	0.003	0.011	TM 8.274	1.664%	2.028%	0.001	0.000	0.006	0.003
%RSD		2.771	3.059	26.560	TM 0.386	1.635	1.996	1.443	0.082	46.530	27.860
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	16:55:48	0.069	86.560%	0.000	0.000						
2	16:56:53	0.072	88.027%	0.000	0.000						
3	16:57:58	0.068	88.920%	0.000	0.000						
X		0.070	87.836%	0.000	0.000						
σ		0.002	1.192%	0.000	0.000						
%RSD		2.856	1.357	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:00:06	92.688%	-0.097	M 172.700	M 177.700	0.000	TM 688500.000	TM 73850.000	TM 72940.000	3.693	± 0.000
2	17:01:11	93.382%	-0.093	M 171.400	M 175.800	0.000	TM 689300.000	TM 72880.000	TM 72240.000	3.837	± 0.000
3	17:02:16	96.640%	-0.086	M 166.700	M 170.100	0.000	TM 667200.000	TM 70750.000	TM 69910.000	3.504	± 0.000
x		94.237%	-0.092	M 170.300	M 174.500	0.000	TM 681700.000	TM 72490.000	TM 71700.000	3.678	± 0.000
σ		2.110%	0.006	M 3.149	M 3.931	0.000	TM 12560.000	TM 1587.000	TM 1590.000	0.167	± 0.000
%RSD		2.239	6.043	M 1.849	M 2.253	0.000	TM 1.842	TM 2.189	TM 2.217	4.548	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:00:06	TM 6843.000	M 104000.000	TM 114800.000	0.000	4.786	0.034	0.160	0.663	87.550	TM 17970.000
2	17:01:11	TM 6802.000	M 102800.000	TM 114300.000	0.000	4.707	-0.039	0.142	0.589	87.770	TM 18000.000
3	17:02:16	TM 6678.000	M 99960.000	TM 110800.000	0.000	4.693	0.014	0.130	1.202	85.150	TM 17440.000
x		TM 6775.000	M 102200.000	TM 113300.000	0.000	4.729	0.003	0.144	0.818	86.820	TM 17800.000
σ		TM 86.100	M 2054.000	TM 2170.000	0.000	0.050	0.038	0.015	0.335	1.454	TM 318.400
%RSD		TM 1.271	M 2.010	TM 1.915	0.000	1.056	1153.000	10.530	40.960	1.675	TM 1.789
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:00:06	TM 282700.000	TM 320900.000	-0.153	0.440	M 170.100	12.080	0.592	1.016	68.710	53.470
2	17:01:11	TM 283100.000	TM 320000.000	-0.146	0.598	M 181.700	12.660	0.640	0.996	71.370	51.850
3	17:02:16	TM 273800.000	TM 311300.000	-0.169	0.560	M 184.900	12.880	0.593	1.026	67.270	51.200
x		TM 279800.000	TM 317400.000	-0.156	0.533	M 178.900	12.540	0.608	1.013	69.120	52.170
σ		TM 5248.000	TM 5304.000	0.012	0.082	M 7.804	0.413	0.028	0.015	2.082	1.169
%RSD		TM 1.875	TM 1.671	7.702	15.440	M 4.362	3.292	4.544	1.520	3.012	2.240
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:00:06	0.638	8.410	1.783	0.000	0.000	1.458	TM 1047.000	121.736%	-0.181	-0.156
2	17:01:11	0.618	8.919	1.798	0.000	0.000	1.435	TM 1032.000	123.699%	-0.177	-0.182
3	17:02:16	0.607	8.376	1.691	0.000	0.000	1.428	TM 1010.000	126.418%	-0.177	-0.175
x		0.621	8.568	1.758	0.000	0.000	1.440	TM 1030.000	123.951%	-0.178	-0.171
σ		0.016	0.304	0.058	0.000	0.000	0.016	TM 18.400	2.351%	0.002	0.013
%RSD		2.531	3.552	3.294	0.000	0.000	1.107	TM 1.787	1.897	1.348	7.888
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:00:06	-0.127	105.596%	-6.967	0.374	0.673	0.199	0.408	-0.515	-0.348	105.020%
2	17:01:11	-0.128	107.857%	-6.942	0.377	0.656	-0.000	0.398	-0.499	-0.336	108.871%
3	17:02:16	-0.140	110.762%	-7.222	0.360	0.684	0.115	0.399	-0.521	-0.358	110.108%
x		-0.132	108.072%	-7.044	0.370	0.671	0.105	0.402	-0.512	-0.347	108.000%
σ		0.008	2.590%	0.155	0.009	0.014	0.100	0.005	0.012	0.011	2.654%
%RSD		5.771	2.396	2.198	2.322	2.092	95.670	1.342	2.276	3.184	2.457
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:00:06	-0.204	0.051	0.009	TM 2183.000	104.685%	105.095%	0.021	0.263	-0.026	-0.019
2	17:01:11	-0.208	0.037	-0.002	TM 2125.000	107.769%	107.144%	0.026	0.262	-0.029	-0.022
3	17:02:16	-0.216	0.030	-0.010	TM 2080.000	109.617%	108.938%	0.022	0.263	-0.031	-0.028
x		-0.209	0.040	-0.001	TM 2129.000	107.357%	107.059%	0.023	0.263	-0.028	-0.023
σ		0.006	0.011	0.010	TM 51.650	2.492%	1.923%	0.002	0.000	0.003	0.004
%RSD		3.014	27.190	1031.000	TM 2.426	2.321	1.796	10.640	0.168	9.256	19.180
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	17:00:06	0.034	91.096%	0.000	0.000						
2	17:01:11	0.034	92.345%	0.000	0.000						
3	17:02:16	0.031	93.660%	0.000	0.000						
x		0.033	92.367%	0.000	0.000						
σ		0.002	1.282%	0.000	0.000						
%RSD		4.735	1.388	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:04:24	113.061%	-0.127	4.614	5.354	0.000	<u>TM 1215.000</u>	84.540	87.700	2.653	<u>10.000</u>
2	17:05:29	111.432%	-0.134	3.653	3.902	0.000	449.400	29.740	29.340	2.606	<u>10.000</u>
3	17:06:34	113.106%	-0.146	2.592	3.053	0.000	239.300	14.100	15.190	2.569	<u>10.000</u>
x		<u>112.533%</u>	<u>-0.136</u>	<u>3.620</u>	<u>4.103</u>	<u>0.000</u>	<u>TM 634.400</u>	<u>42.800</u>	<u>44.080</u>	<u>2.610</u>	<u>10.000</u>
$\sigma$		<u>0.954%</u>	<u>0.010</u>	<u>1.011</u>	<u>1.163</u>	<u>0.000</u>	<u>TM 513.300</u>	<u>36.990</u>	<u>38.440</u>	<u>0.042</u>	<u>10.000</u>
%RSD		<u>0.848</u>	<u>7.123</u>	<u>27.930</u>	<u>28.350</u>	<u>0.000</u>	<u>TM 80.910</u>	<u>86.430</u>	<u>87.200</u>	<u>1.621</u>	<u>10.000</u>
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:04:24	10.710	111.800	122.500	126.432%	0.087	-0.768	0.130	-1.126	313.000	20.900
2	17:05:29	3.046	36.000	34.330	124.532%	0.153	-0.395	0.157	0.692	357.100	6.707
3	17:06:34	0.987	8.848	13.510	122.237%	-0.024	-0.785	0.181	0.153	385.800	3.068
x		<u>4.915</u>	<u>52.220</u>	<u>56.780</u>	<u>124.400%</u>	<u>0.072</u>	<u>-0.649</u>	<u>0.156</u>	<u>-0.094</u>	<u>352.000</u>	<u>10.220</u>
$\sigma$		<u>5.123</u>	<u>53.370</u>	<u>57.870</u>	<u>2.101%</u>	<u>0.089</u>	<u>0.220</u>	<u>0.025</u>	<u>0.933</u>	<u>36.660</u>	<u>9.421</u>
%RSD		<u>104.300</u>	<u>102.200</u>	<u>101.900</u>	<u>1.689</u>	<u>123.600</u>	<u>33.910</u>	<u>16.150</u>	<u>995.700</u>	<u>10.420</u>	<u>92.150</u>
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:04:24	<u>1456.300</u>	447.000	-0.088	0.362	<u>M 128.800</u>	5.311	-0.019	0.111	0.638	0.109
2	17:05:29	154.900	169.500	-0.086	0.199	97.910	4.048	-0.040	0.085	0.514	-0.101
3	17:06:34	85.040	95.770	-0.088	0.115	73.720	2.988	-0.050	0.064	0.579	-0.082
x		<u>1232.100</u>	<u>237.400</u>	<u>-0.087</u>	<u>0.225</u>	<u>M 100.100</u>	<u>4.116</u>	<u>-0.036</u>	<u>0.087</u>	<u>0.577</u>	<u>-0.025</u>
$\sigma$		<u>1197.300</u>	<u>185.200</u>	<u>0.001</u>	<u>0.126</u>	<u>M 27.610</u>	<u>1.163</u>	<u>0.016</u>	<u>0.024</u>	<u>0.062</u>	<u>0.116</u>
%RSD		<u>185.010</u>	<u>78.010</u>	<u>1.239</u>	<u>55.740</u>	<u>M 27.570</u>	<u>28.260</u>	<u>44.030</u>	<u>27.350</u>	<u>10.790</u>	<u>464.800</u>
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:04:24	-0.216	9.170	0.934	0.000	0.000	-0.807	1.198	123.097%	-0.241	-0.214
2	17:05:29	-0.319	10.300	0.540	0.000	0.000	-0.688	0.323	119.411%	-0.248	-0.210
3	17:06:34	-0.273	9.475	0.561	0.000	0.000	-0.674	0.054	118.870%	-0.246	-0.193
x		<u>-0.269</u>	<u>9.647</u>	<u>0.678</u>	<u>0.000</u>	<u>0.000</u>	<u>-0.723</u>	<u>0.525</u>	<u>120.459%</u>	<u>-0.245</u>	<u>-0.206</u>
$\sigma$		<u>0.052</u>	<u>0.583</u>	<u>0.222</u>	<u>0.000</u>	<u>0.000</u>	<u>0.073</u>	<u>0.598</u>	<u>2.300%</u>	<u>0.003</u>	<u>0.011</u>
%RSD		<u>19.220</u>	<u>6.044</u>	<u>32.710</u>	<u>0.000</u>	<u>0.000</u>	<u>10.130</u>	<u>113.900</u>	<u>1.909</u>	<u>1.385</u>	<u>5.452</u>
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:04:24	-0.137	120.418%	-0.868	0.368	0.257	-0.096	0.401	-0.126	-0.088	116.693%
2	17:05:29	-0.133	116.932%	0.603	0.364	0.161	-0.096	0.402	-0.035	-0.025	113.132%
3	17:06:34	-0.135	116.225%	0.267	0.353	0.186	-0.051	0.404	-0.053	-0.041	112.333%
x		<u>-0.135</u>	<u>117.859%</u>	<u>0.000</u>	<u>0.362</u>	<u>0.201</u>	<u>-0.081</u>	<u>0.402</u>	<u>-0.071</u>	<u>-0.051</u>	<u>114.053%</u>
$\sigma$		<u>0.002</u>	<u>2.245%</u>	<u>0.771</u>	<u>0.008</u>	<u>0.050</u>	<u>0.026</u>	<u>0.002</u>	<u>0.048</u>	<u>0.033</u>	<u>2.321%</u>
%RSD		<u>1.266</u>	<u>1.905</u>	<u>156100.000</u>	<u>2.119</u>	<u>24.760</u>	<u>32.270</u>	<u>0.478</u>	<u>67.710</u>	<u>64.250</u>	<u>2.035</u>
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:04:24	-0.186	0.016	-0.032	3.322	109.422%	109.700%	0.018	0.257	-0.027	-0.024
2	17:05:29	-0.190	0.008	-0.025	0.994	107.319%	106.091%	0.017	0.256	-0.028	-0.023
3	17:06:34	-0.189	0.028	-0.020	0.407	107.227%	106.661%	0.015	0.256	-0.031	-0.025
x		<u>-0.188</u>	<u>0.017</u>	<u>-0.026</u>	<u>1.574</u>	<u>107.989%</u>	<u>107.484%</u>	<u>0.017</u>	<u>0.256</u>	<u>-0.029</u>	<u>-0.024</u>
$\sigma$		<u>0.002</u>	<u>0.010</u>	<u>0.006</u>	<u>1.542</u>	<u>1.241%</u>	<u>1.940%</u>	<u>0.002</u>	<u>0.001</u>	<u>0.002</u>	<u>0.001</u>
%RSD		<u>1.030</u>	<u>58.850</u>	<u>23.400</u>	<u>97.960</u>	<u>1.150</u>	<u>1.805</u>	<u>11.120</u>	<u>0.199</u>	<u>6.384</u>	<u>3.850</u>
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	17:04:24	0.032	105.807%	0.000	0.000						
2	17:05:29	0.032	105.030%	0.000	0.000						
3	17:06:34	0.030	104.661%	0.000	0.000						
x		<u>0.032</u>	<u>105.166%</u>	<u>0.000</u>	<u>0.000</u>						
$\sigma$		<u>0.001</u>	<u>0.585%</u>	<u>0.000</u>	<u>0.000</u>						
%RSD		<u>3.344</u>	<u>0.556</u>	<u>0.000</u>	<u>0.000</u>						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:08:42	107.343%	m 109.100	2.357	2.251	0.000	588.400	489.000	488.000	521.700	0.000
2	17:09:47	109.835%	m 102.300	1.896	1.946	0.000	534.600	457.700	455.500	464.700	0.000
3	17:10:52	106.079%	m 110.000	1.795	1.907	0.000	542.200	486.100	487.800	503.700	0.000
x		107.752%	m 107.100	2.016	2.034	0.000	555.100	477.600	477.100	496.700	0.000
σ		1.911%	m 4.166	0.299	0.188	0.000	29.110	17.310	18.660	29.130	0.000
%RSD		1.774	m 3.889	14.860	9.263	0.000	5.245	3.625	3.911	5.864	0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:08:42	472.100	455.000	480.200	119.171%	-0.521	m 107.300	m 106.700	m 106.800	313.700	m 106.800
2	17:09:47	445.400	427.700	430.800	124.055%	-0.479	96.720	96.130	95.200	259.000	96.670
3	17:10:52	479.200	479.200	477.300	115.468%	-0.500	m 106.800	m 106.700	m 105.400	233.300	m 105.900
x		465.600	453.900	462.700	119.565%	-0.500	m 103.600	m 103.200	m 102.500	268.700	m 103.100
σ		17.790	25.760	27.720	4.307%	0.021	m 5.952	m 6.125	m 6.333	41.070	m 5.603
%RSD		3.821	5.675	5.991	3.602	4.103	m 5.745	m 5.935	m 6.181	15.290	m 5.434
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:08:42	530.800	529.900	m 108.100	m 108.700	m 151.200	m 109.700	m 107.700	m 106.600	m 106.600	m 106.200
2	17:09:47	470.500	472.400	98.360	98.670	m 128.500	99.260	98.660	96.900	95.550	97.160
3	17:10:52	512.700	519.100	m 108.200	m 108.600	m 132.400	m 108.900	m 107.800	m 106.700	m 104.100	m 106.900
x		504.700	507.100	m 104.900	m 105.300	m 137.300	m 105.900	m 104.700	m 103.400	m 102.100	m 103.400
σ		30.940	30.570	m 5.643	m 5.750	m 12.130	m 5.798	m 5.250	m 5.610	m 5.801	m 5.413
%RSD		6.131	6.027	m 5.381	m 5.460	m 8.831	m 5.473	m 5.013	m 5.427	m 5.682	m 5.235
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:08:42	m 109.800	m 223.800	m 212.200	0.000	0.000	m 209.900	-0.100	115.525%	-0.259	-0.231
2	17:09:47	m 100.200	m 205.800	m 196.300	0.000	0.000	m 192.400	-0.127	120.238%	-0.271	-0.226
3	17:10:52	m 109.600	m 220.100	m 212.100	0.000	0.000	m 210.800	-0.139	113.321%	-0.268	-0.234
x		m 106.500	m 216.500	m 206.800	0.000	0.000	m 204.400	-0.122	116.362%	-0.266	-0.230
σ		5.481	9.525	m 9.114	0.000	0.000	m 10.360	0.020	3.533%	0.006	0.004
%RSD		5.144	4.399	m 4.406	0.000	0.000	m 5.070	16.430	3.037	2.283	1.772
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:08:42	-0.165	112.243%	m 103.000	m 103.900	0.445	m 100.400	m 104.400	m 104.700	m 104.800	109.662%
2	17:09:47	-0.166	116.519%	95.000	97.070	0.456	92.960	97.220	95.610	96.140	114.531%
3	17:10:52	-0.153	110.683%	m 100.900	m 103.000	0.605	m 100.600	m 103.000	m 102.600	m 103.200	108.713%
x		-0.161	113.148%	m 99.630	m 101.300	0.502	m 98.020	m 101.500	m 101.000	m 101.400	110.969%
σ		0.008	3.021%	m 4.151	m 3.713	0.089	m 4.377	m 3.792	m 4.769	m 4.613	3.121%
%RSD		4.652	2.670	m 4.167	m 3.664	17.820	m 4.465	m 3.735	m 4.723	m 4.550	2.813
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:08:42	-0.211	m 108.100	m 107.700	m 106.700	105.755%	105.306%	m 104.700	m 105.700	m 106.000	m 105.700
2	17:09:47	-0.211	98.720	98.610	98.260	110.414%	110.173%	99.280	m 100.100	98.140	98.440
3	17:10:52	-0.204	m 107.100	m 106.800	m 105.400	105.157%	105.061%	m 104.800	m 105.500	m 104.900	m 104.800
x		-0.209	m 104.600	m 104.400	m 103.400	107.109%	106.847%	m 102.900	m 103.800	m 103.000	m 103.000
σ		0.004	m 5.153	m 5.018	m 4.527	2.878%	2.883%	m 3.141	m 3.179	m 4.243	m 3.969
%RSD		1.853	m 4.924	m 4.807	m 4.377	2.687	2.698	m 3.052	m 3.064	m 4.120	m 3.853
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	17:08:42	m 105.800	103.447%	0.000	0.000						
2	17:09:47	98.560	106.667%	0.000	0.000						
3	17:10:52	m 105.000	103.308%	0.000	0.000						
x		m 103.100	104.474%	0.000	0.000						
σ		m 3.977	1.900%	0.000	0.000						
%RSD		m 3.856	1.819	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:13:00	91.133%	M 113.100	M 225.000	M 232.100	0.000	TM 382200.000	TM 50030.000	TM 49110.000	469.100	± 0.000
2	17:14:05	93.894%	M 107.300	M 219.100	M 222.200	0.000	TM 368100.000	TM 47750.000	TM 47060.000	449.600	± 0.000
3	17:15:10	93.372%	M 113.600	M 230.700	M 232.400	0.000	TM 386100.000	TM 50580.000	TM 49850.000	476.800	± 0.000
X		92.800%	M 111.400	M 224.900	M 228.900	0.000	TM 378800.000	TM 49450.000	TM 48670.000	465.200	± 0.000
σ		1.467%	M 3.536	M 5.773	M 5.824	0.000	TM 9421.000	TM 1504.000	TM 1444.000	14.050	± 0.000
%RSD		1.581	M 3.175	M 2.567	M 2.544	0.000	TM 2.487	TM 3.042	TM 2.967	3.021	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:13:00	TM 9188.000	M 43170.000	TM 47600.000	133.618%	6.028	90.750	87.690	88.400	128.400	TM 2111.000
2	17:14:05	TM 8943.000	M 41290.000	TM 45770.000	138.536%	5.525	86.460	83.930	84.600	143.300	TM 2027.000
3	17:15:10	TM 9291.000	M 43620.000	TM 48220.000	137.132%	5.936	92.880	89.360	92.190	139.400	TM 2157.000
X		TM 9141.000	M 42690.000	TM 47200.000	136.429%	5.830	90.030	86.990	88.400	137.000	TM 2098.000
σ		TM 178.800	M 1236.000	TM 1277.000	2.533%	0.268	3.275	2.784	3.797	7.716	TM 65.800
%RSD		TM 1.956	M 2.895	TM 2.705	1.857	4.596	3.637	3.200	4.295	5.630	TM 3.136
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:13:00	TM 17450.000	TM 19520.000	88.560	85.880	M 124.400	88.670	85.680	85.800	M 101.300	99.940
2	17:14:05	TM 16820.000	TM 18710.000	84.760	83.010	M 120.400	85.740	82.110	83.320	97.910	96.580
3	17:15:10	TM 17920.000	TM 19950.000	90.370	88.380	M 127.800	90.550	87.920	87.860	M 104.800	M 102.500
X		TM 17400.000	TM 19390.000	87.900	85.760	M 124.200	88.320	85.240	85.660	M 101.300	M 99.680
σ		TM 551.800	TM 630.000	2.863	2.687	M 3.701	2.425	2.930	2.272	M 3.445	M 2.982
%RSD		TM 3.172	TM 3.249	3.257	3.133	M 2.980	2.746	3.438	2.652	M 3.400	M 2.991
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:13:00	97.940	M 182.600	M 179.100	0.000	0.000	M 179.700	TM 635.100	110.732%	-0.191	-0.163
2	17:14:05	94.110	M 175.000	M 171.400	0.000	0.000	M 173.300	TM 604.300	115.928%	-0.205	-0.163
3	17:15:10	M 100.100	M 185.500	M 181.300	0.000	0.000	M 182.700	TM 648.400	112.684%	-0.201	-0.163
X		M 97.390	M 181.000	M 177.300	0.000	0.000	M 178.600	TM 629.300	113.115%	-0.199	-0.163
σ		M 3.047	M 5.414	M 5.233	0.000	0.000	M 4.819	TM 22.600	2.625%	0.007	0.000
%RSD		M 3.129	M 2.991	M 2.952	0.000	0.000	M 2.698	TM 3.591	2.320	3.548	0.181
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:13:00	-0.096	99.855%	97.200	97.290	0.725	98.610	96.850	98.830	98.710	100.254%
2	17:14:05	-0.092	103.313%	92.210	93.230	0.609	92.050	92.360	92.870	93.190	105.310%
3	17:15:10	-0.075	101.975%	96.160	98.680	0.674	96.980	97.500	M 100.500	99.050	101.706%
X		-0.088	101.714%	95.190	96.400	0.669	95.880	95.570	M 97.400	96.980	102.423%
σ		0.011	1.744%	2.631	2.832	0.058	3.419	2.803	M 4.013	3.287	2.603%
%RSD		12.620	1.714	2.764	2.938	8.705	3.566	2.933	M 4.119	3.389	2.542
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:13:00	-0.196	M 107.300	M 107.400	TM 768.400	102.474%	102.522%	M 103.900	M 103.800	M 104.200	M 104.700
2	17:14:05	-0.191	M 100.800	M 100.900	TM 728.400	107.474%	107.154%	99.360	M 100.000	M 100.300	99.730
3	17:15:10	-0.200	M 108.200	M 108.500	TM 773.200	104.266%	104.691%	M 105.300	M 106.700	M 105.800	M 106.100
X		-0.196	M 105.500	M 105.600	TM 756.700	104.738%	104.789%	M 102.800	M 103.500	M 103.400	M 103.500
σ		0.005	M 4.054	M 4.112	TM 24.580	2.533%	2.317%	M 3.093	M 3.319	M 2.789	M 3.372
%RSD		2.357	M 3.845	M 3.894	TM 3.248	2.418	2.212	M 3.007	M 3.206	M 2.697	M 3.257
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	17:13:00	M 104.800	92.693%	0.000	0.000						
2	17:14:05	M 100.300	95.832%	0.000	0.000						
3	17:15:10	M 106.500	93.009%	0.000	0.000						
X		M 103.900	93.845%	0.000	0.000						
σ		M 3.187	1.728%	0.000	0.000						
%RSD		M 3.068	1.842	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:17:17	86.621%	M 114.200	M 231.100	M 233.400	0.000	TM 384100.000	TM 50400.000	TM 49810.000	T 493.100	T 0.000
2	17:18:22	93.113%	M 115.200	M 228.400	M 233.300	0.000	TM 386900.000	TM 51210.000	TM 50420.000	TM 485.900	T 0.000
3	17:19:27	93.808%	M 113.700	M 227.000	M 234.800	0.000	TM 382000.000	TM 50420.000	TM 49560.000	472.900	T 0.000
X		91.181%	M 114.300	M 228.900	M 233.800	0.000	TM 384300.000	TM 50680.000	TM 49930.000	T 484.000	T 0.000
σ		3.964%	M 0.768	M 2.088	M 0.831	0.000	TM 2464.000	TM 461.900	TM 439.400	T 10.230	T 0.000
%RSD		4.348	M 0.671	M 0.912	M 0.355	0.000	TM 0.641	TM 0.911	TM 0.880	T 2.115	T 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:17:17	TM 9246.000	M 43520.000	TM 47880.000	130.629%	5.894	91.610	88.410	89.370	147.400	TM 2134.000
2	17:18:22	TM 9358.000	M 44170.000	TM 48760.000	138.225%	6.409	93.590	90.490	92.030	151.400	TM 2165.000
3	17:19:27	TM 9239.000	M 43210.000	TM 47880.000	139.999%	6.101	92.570	89.180	90.020	147.000	TM 2135.000
X		TM 9281.000	M 43630.000	TM 48170.000	136.284%	6.135	92.590	89.360	90.470	148.600	TM 2144.000
σ		TM 66.890	M 488.400	TM 505.400	4.977%	0.259	0.992	1.049	1.386	2.426	TM 17.370
%RSD		TM 0.721	M 1.119	TM 1.049	3.652	4.225	1.071	1.174	1.532	1.632	TM 0.810
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:17:17	TM 17770.000	TM 19620.000	88.920	86.390	M 129.100	89.760	87.350	86.210	M 104.700	M 100.000
2	17:18:22	TM 18120.000	TM 20110.000	91.110	88.130	M 127.500	91.400	88.880	88.950	M 107.600	M 103.400
3	17:19:27	TM 17820.000	TM 19650.000	89.250	86.710	M 121.600	88.950	86.430	86.560	M 101.500	98.270
X		TM 17900.000	TM 19790.000	89.760	87.080	M 126.100	90.040	87.550	87.240	M 104.600	M 100.600
σ		TM 192.100	TM 279.100	1.182	0.927	M 3.961	1.250	1.235	1.491	M 3.040	M 2.603
%RSD		TM 1.073	TM 1.410	1.317	1.065	M 3.142	1.388	1.410	1.709	M 2.906	M 2.589
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:17:17	98.870	M 186.200	M 179.200	0.000	0.000	M 178.600	TM 640.800	106.511%	-0.200	-0.178
2	17:18:22	M 101.500	M 192.200	M 184.400	0.000	0.000	M 185.200	TM 649.300	113.772%	-0.189	-0.149
3	17:19:27	98.980	M 187.200	M 180.400	0.000	0.000	M 180.800	TM 635.600	115.847%	-0.199	-0.158
X		M 99.770	M 188.600	M 181.300	0.000	0.000	M 181.500	TM 641.900	112.043%	-0.196	-0.162
σ		M 1.460	M 3.232	M 2.699	0.000	0.000	M 3.334	TM 6.943	4.902%	0.006	0.015
%RSD		M 1.464	M 1.714	M 1.489	0.000	0.000	M 1.836	TM 1.082	4.375	3.173	9.273
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:17:17	-0.099	95.175%	95.530	97.540	0.705	96.540	97.190	98.470	98.370	96.968%
2	17:18:22	-0.090	101.931%	98.650	99.250	0.624	98.510	98.370	M 101.400	M 101.100	102.265%
3	17:19:27	-0.091	102.390%	96.350	98.010	0.819	98.920	97.490	98.480	98.410	104.526%
X		-0.093	99.832%	96.840	98.270	0.716	97.990	97.680	M 99.460	M 99.290	101.253%
σ		0.005	4.040%	1.613	0.882	0.098	1.276	0.615	M 1.712	M 1.549	3.879%
%RSD		5.016	4.047	1.666	0.897	13.680	1.302	0.630	M 1.721	M 1.560	3.831
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:17:17	-0.190	M 107.100	M 106.600	TM 763.200	98.667%	98.385%	M 104.700	M 105.000	M 106.300	M 105.500
2	17:18:22	-0.194	M 110.000	M 109.900	TM 787.700	103.082%	103.938%	M 107.000	M 107.600	M 107.300	M 108.200
3	17:19:27	-0.190	M 107.300	M 106.800	TM 765.900	106.031%	105.983%	M 105.000	M 105.500	M 105.800	M 105.800
X		-0.192	M 108.100	M 107.800	TM 772.300	102.593%	102.769%	M 105.500	M 106.000	M 106.500	M 106.500
σ		0.003	M 1.605	M 1.867	TM 13.420	3.706%	3.931%	M 1.275	M 1.341	M 0.733	M 1.470
%RSD		1.352	M 1.484	M 1.732	TM 1.737	3.613	3.826	M 1.208	M 1.265	M 0.688	M 1.380
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	17:17:17	M 105.900	87.679%	0.000	0.000						
2	17:18:22	M 108.100	92.663%	0.000	0.000						
3	17:19:27	M 105.900	93.779%	0.000	0.000						
X		M 106.700	91.374%	0.000	0.000						
σ		M 1.263	3.248%	0.000	0.000						
%RSD		M 1.184	3.555	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:21:35	94.248%	0.260	M 229.500	M 235.800	0.000	TM 390700.000	TM 51440.000	TM 50540.000	7.860	± 0.000
2	17:22:40	94.101%	0.065	M 234.700	M 238.800	0.000	TM 385600.000	TM 50510.000	TM 49770.000	6.416	± 0.000
3	17:23:45	91.900%	0.014	M 244.900	M 243.200	0.000	TM 397500.000	TM 52050.000	TM 51170.000	6.274	± 0.000
X		93.416%	0.113	M 236.400	M 239.300	0.000	TM 391300.000	TM 51330.000	TM 50490.000	6.850	± 0.000
σ		1.316%	0.130	M 7.831	M 3.714	0.000	TM 5980.000	TM 774.100	TM 702.800	0.878	± 0.000
%RSD		1.408	115.000	M 3.313	M 1.552	0.000	TM 1.528	TM 1.508	TM 1.392	12.810	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:21:35	TM 9133.000	M 44520.000	TM 49680.000	135.941%	6.360	1.119	1.683	2.732	152.000	TM 2132.000
2	17:22:40	TM 9011.000	M 43230.000	TM 48100.000	139.471%	5.974	0.818	1.408	1.932	155.600	TM 2068.000
3	17:23:45	TM 9194.000	M 44390.000	TM 49270.000	137.329%	6.143	0.926	1.345	1.717	158.400	TM 2109.000
X		TM 9112.000	M 44050.000	TM 49020.000	137.580%	6.159	0.954	1.479	2.127	155.400	TM 2103.000
σ		TM 93.010	M 713.400	TM 815.300	1.779%	0.194	0.153	0.180	0.535	3.234	TM 32.510
%RSD		TM 1.021	M 1.620	TM 1.663	1.293	3.146	16.000	12.170	25.150	2.082	TM 1.546
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:21:35	TM 18030.000	TM 20000.000	1.637	1.018	35.560	3.700	0.417	1.090	19.190	14.300
2	17:22:40	TM 17420.000	TM 19340.000	1.420	0.790	33.020	3.314	0.180	0.704	17.580	13.200
3	17:23:45	TM 17820.000	TM 19750.000	1.439	0.737	31.470	3.346	0.194	0.780	18.010	13.640
X		TM 17760.000	TM 19700.000	1.499	0.848	33.350	3.453	0.264	0.858	18.260	13.710
σ		TM 307.400	TM 333.900	0.120	0.149	2.065	0.214	0.133	0.204	0.830	0.554
%RSD		TM 1.731	TM 1.695	8.033	17.560	6.192	6.206	50.330	23.830	4.547	4.037
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:21:35	0.707	6.041	1.141	0.000	0.000	1.060	TM 674.200	111.558%	-0.157	-0.139
2	17:22:40	0.645	4.300	0.715	0.000	0.000	0.793	TM 645.900	115.149%	-0.190	-0.124
3	17:23:45	0.695	4.441	0.603	0.000	0.000	0.892	TM 654.800	114.472%	-0.155	-0.139
X		0.683	4.927	0.819	0.000	0.000	0.915	TM 658.300	113.726%	-0.168	-0.134
σ		0.033	0.967	0.284	0.000	0.000	0.135	TM 14.420	1.908%	0.019	0.008
%RSD		4.825	19.620	34.610	0.000	0.000	14.800	TM 2.191	1.678	11.590	6.258
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:21:35	-0.074	99.892%	-2.967	0.557	0.425	0.393	0.565	-0.079	0.030	101.849%
2	17:22:40	-0.076	102.933%	-3.726	0.382	0.459	0.179	0.421	-0.265	-0.166	104.298%
3	17:23:45	-0.065	101.488%	-3.087	0.375	0.413	0.107	0.411	-0.246	-0.156	103.043%
X		-0.072	101.438%	-3.260	0.438	0.432	0.226	0.466	-0.197	-0.097	103.064%
σ		0.006	1.521%	0.408	0.103	0.024	0.149	0.086	0.102	0.111	1.225%
%RSD		7.829	1.499	12.530	23.570	5.612	65.650	18.480	52.030	113.900	1.188
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:21:35	-0.182	0.329	0.275	M 658.300	102.200%	102.834%	0.547	0.780	0.223	0.211
2	17:22:40	-0.192	0.109	0.081	M 637.300	105.348%	106.164%	0.334	0.572	0.029	0.022
3	17:23:45	-0.178	0.074	0.039	M 647.500	104.658%	104.232%	0.348	0.585	0.001	0.008
X		-0.184	0.171	0.132	M 647.700	104.069%	104.410%	0.410	0.646	0.084	0.080
σ		0.007	0.138	0.126	M 10.510	1.655%	1.672%	0.120	0.117	0.121	0.113
%RSD		3.931	80.880	95.670	M 1.623	1.590	1.602	29.180	18.050	143.400	141.000
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	17:21:35	0.274	92.057%	0.000	0.000						
2	17:22:40	0.085	93.187%	0.000	0.000						
3	17:23:45	0.059	93.748%	0.000	0.000						
X		0.139	92.997%	0.000	0.000						
σ		0.117	0.861%	0.000	0.000						
%RSD		84.150	0.926	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:25:53	89.980%	0.064	M 160.200	M 163.800	0.000	TM 577800.000	TM 60280.000	TM 59210.000	9.327	± 0.000
2	17:26:58	88.992%	0.095	M 176.600	M 175.700	0.000	TM 615900.000	TM 65480.000	TM 63850.000	9.981	± 0.000
3	17:28:03	92.661%	0.057	M 168.100	M 168.800	0.000	TM 591800.000	TM 61990.000	TM 60440.000	9.582	± 0.000
X		90.544%	0.072	M 168.300	M 169.400	0.000	TM 595200.000	TM 62590.000	TM 61160.000	9.630	± 0.000
σ		1.898%	0.020	M 8.204	M 6.009	0.000	TM 19280.000	TM 2649.000	TM 2402.000	0.330	± 0.000
%RSD		2.097	27.830	M 4.874	M 3.547	0.000	TM 3.239	TM 4.233	TM 3.927	3.426	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:25:53	TM 4811.000	M 68060.000	TM 74750.000	149.920%	2.937	0.105	0.010	0.334	62.960	TM 12820.000
2	17:26:58	TM 5086.000	TM 82710.000	TM 80700.000	151.752%	2.963	0.068	-0.006	-0.054	64.570	TM 13970.000
3	17:28:03	TM 4866.000	M 69360.000	TM 76250.000	159.755%	2.836	0.140	-0.004	0.259	60.310	TM 13060.000
X		TM 4921.000	TM 73380.000	TM 77230.000	153.809%	2.912	0.104	-0.000	0.180	62.610	TM 13280.000
σ		TM 145.400	TM 8111.000	TM 3092.000	5.230%	0.067	0.036	0.008	0.206	2.148	TM 606.400
%RSD		TM 2.954	TM 11.050	TM 4.003	3.400	2.307	34.780	7197.000	114.500	3.431	TM 4.565
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:25:53	TM 204700.000	TM 232300.000	0.032	0.353	36.190	4.833	0.586	1.047	53.950	40.360
2	17:26:58	TM 223700.000	TM 253500.000	-0.008	0.248	45.460	5.660	0.565	1.165	59.640	44.710
3	17:28:03	TM 209000.000	TM 236900.000	0.044	0.441	55.300	5.911	0.571	1.083	58.160	42.390
X		TM 212500.000	TM 240900.000	0.023	0.348	45.650	5.468	0.574	1.098	57.250	42.490
σ		TM 9974.000	TM 11110.000	0.027	0.097	9.556	0.564	0.011	0.061	2.950	2.178
%RSD		TM 4.694	TM 4.612	119.800	27.880	20.930	10.320	1.893	5.510	5.152	5.127
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:25:53	0.914	3.193	0.888	0.000	0.000	2.554	TM 1007.000	118.889%	-0.179	-0.199
2	17:26:58	1.062	5.422	1.523	0.000	0.000	2.635	TM 1091.000	117.577%	-0.197	-0.164
3	17:28:03	0.868	4.809	1.266	0.000	0.000	2.201	TM 1019.000	124.208%	-0.167	-0.169
X		0.948	4.474	1.226	0.000	0.000	2.464	TM 1039.000	120.225%	-0.181	-0.177
σ		0.101	1.151	0.320	0.000	0.000	0.231	TM 45.520	3.512%	0.015	0.019
%RSD		10.680	25.730	26.080	0.000	0.000	9.364	TM 4.381	2.921	8.388	10.560
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:25:53	-0.142	103.811%	-5.489	0.539	0.567	0.078	0.561	-0.220	-0.101	105.131%
2	17:26:58	-0.136	102.113%	-5.224	0.529	0.555	0.156	0.564	-0.231	-0.083	103.627%
3	17:28:03	-0.127	107.060%	-5.911	0.512	0.592	0.048	0.574	-0.259	-0.116	108.764%
X		-0.135	104.328%	-5.542	0.527	0.571	0.094	0.566	-0.237	-0.100	105.841%
σ		0.008	2.514%	0.346	0.014	0.019	0.056	0.007	0.020	0.016	2.641%
%RSD		5.703	2.409	6.250	2.585	3.301	59.280	1.176	8.521	16.510	2.495
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:25:53	-0.161	0.197	0.143	TM 2097.000	105.223%	105.765%	0.273	0.515	0.201	0.173
2	17:26:58	-0.162	0.226	0.173	TM 2271.000	102.421%	101.053%	0.289	0.511	0.210	0.218
3	17:28:03	-0.163	0.201	0.147	TM 2124.000	108.336%	107.735%	0.261	0.491	0.217	0.201
X		-0.162	0.208	0.154	TM 2164.000	105.327%	104.851%	0.274	0.506	0.209	0.198
σ		0.001	0.016	0.016	TM 93.530	2.959%	3.434%	0.014	0.013	0.008	0.023
%RSD		0.644	7.619	10.460	TM 4.321	2.809	3.275	5.061	2.589	3.861	11.480
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	17:25:53	0.248	90.465%	0.000	0.000						
2	17:26:58	0.269	87.308%	0.000	0.000						
3	17:28:03	0.261	92.421%	0.000	0.000						
X		0.259	90.065%	0.000	0.000						
σ		0.011	2.580%	0.000	0.000						
%RSD		4.089	2.864	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:30:13	117.606%	48.530	51.280	50.750	0.000	TM 1617.000	520.600	521.600	└458.900	└0.000
2	17:31:18	113.818%	52.920	53.590	52.990	0.000	└859.300	490.200	491.900	└495.000	└0.000
3	17:32:23	111.727%	52.090	51.220	53.960	0.000	└664.800	473.900	477.900	479.100	└0.000
x		114.384%	51.180	52.030	52.570	0.000	TM 1047.000	494.900	497.100	└477.700	└0.000
σ		2.980%	2.334	1.347	1.645	0.000	TM 503.100	23.710	22.360	└18.130	└0.000
%RSD		2.605	4.560	2.589	3.130	0.000	TM 48.050	4.791	4.497	└3.796	└0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:30:13	437.900	593.900	578.500	138.070%	45.610	46.700	46.690	45.060	282.000	69.710
2	17:31:18	460.700	544.700	518.100	131.144%	51.140	50.310	50.770	49.550	316.600	56.770
3	17:32:23	455.900	500.500	488.700	131.385%	49.640	49.570	49.550	50.100	290.500	51.990
x		451.500	546.400	528.400	133.533%	48.800	48.860	49.000	48.240	296.400	59.490
σ		12.000	46.750	45.760	3.931%	2.862	1.910	2.092	2.769	18.040	9.170
%RSD		2.658	8.557	8.660	2.944	5.865	3.909	4.268	5.741	6.086	15.410
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:30:13	└925.100	929.700	47.240	47.500	90.970	49.090	47.020	46.480	48.560	46.760
2	17:31:18	└645.700	638.500	51.400	51.210	87.990	52.980	50.840	50.740	51.030	50.950
3	17:32:23	└556.600	548.800	50.120	50.500	79.580	50.880	50.250	49.560	49.640	50.000
x		└709.100	705.700	49.580	49.740	86.180	50.980	49.370	48.920	49.750	49.240
σ		└192.300	199.100	2.131	1.971	5.909	1.950	2.056	2.201	1.236	2.197
%RSD		└27.110	28.220	4.298	3.963	6.856	3.824	4.164	4.498	2.485	4.462
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:30:13	47.920	53.790	48.410	0.000	0.000	46.300	46.770	134.330%	45.840	46.500
2	17:31:18	52.300	60.480	52.820	0.000	0.000	50.760	50.380	125.844%	50.440	50.060
3	17:32:23	51.200	58.740	51.390	0.000	0.000	50.100	48.950	126.641%	49.090	49.180
x		50.470	57.670	50.870	0.000	0.000	49.050	48.700	128.938%	48.460	48.580
σ		2.278	3.470	2.251	0.000	0.000	2.408	1.816	4.687%	2.361	1.855
%RSD		4.514	6.018	4.425	0.000	0.000	4.908	3.729	3.635	4.872	3.818
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:30:13	45.840	129.150%	44.210	46.030	0.408	44.610	45.770	45.660	44.970	124.852%
2	17:31:18	50.480	122.372%	47.610	48.790	0.302	46.230	48.980	48.950	49.320	119.041%
3	17:32:23	49.240	121.805%	47.770	48.390	0.398	47.740	48.440	47.980	48.470	119.119%
x		48.520	124.442%	46.530	47.730	0.370	46.190	47.730	47.530	47.590	121.004%
σ		2.401	4.087%	2.010	1.494	0.059	1.566	1.721	1.691	2.306	3.333%
%RSD		4.948	3.284	4.319	3.129	15.940	3.390	3.605	3.557	4.847	2.755
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:30:13	45.220	44.780	45.000	50.940	117.222%	116.524%	46.610	46.230	46.410	45.950
2	17:31:18	49.340	49.030	49.090	52.400	113.153%	112.009%	50.400	49.980	50.430	50.380
3	17:32:23	49.050	49.140	48.890	50.540	112.602%	111.032%	50.160	49.620	49.970	49.990
x		47.870	47.650	47.660	51.290	114.326%	113.188%	49.050	48.610	48.930	48.770
σ		2.302	2.489	2.304	0.979	2.523%	2.929%	2.124	2.067	2.200	2.450
%RSD		4.809	5.223	4.834	1.909	2.207	2.588	4.329	4.252	4.495	5.023
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	17:30:13	46.090	112.432%	0.000	0.000						
2	17:31:18	50.260	107.070%	0.000	0.000						
3	17:32:23	49.850	106.474%	0.000	0.000						
x		48.730	108.659%	0.000	0.000						
σ		2.302	3.282%	0.000	0.000						
%RSD		4.723	3.020	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:34:31	111.002%	-0.033	3.203	3.645	0.000	83.370	6.171	6.445	3.525	±0.000
2	17:35:36	110.403%	-0.095	2.907	2.862	0.000	65.640	4.010	4.394	2.630	±0.000
3	17:36:41	107.483%	-0.110	2.062	2.369	0.000	58.640	3.493	4.086	2.385	±0.000
x		109.629%	-0.079	2.724	2.959	0.000	69.220	4.558	4.975	2.847	±0.000
σ		1.883%	0.041	0.592	0.643	0.000	12.750	1.421	1.282	0.600	±0.000
%RSD		1.718	51.700	21.740	21.750	0.000	18.420	31.170	25.770	21.080	±0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:34:31	0.287	-17.760	-8.934	124.422%	-0.375	-0.308	0.570	-0.239	293.600	0.936
2	17:35:36	-0.597	-18.530	-11.390	125.409%	-0.492	-0.312	0.447	0.195	299.000	0.483
3	17:36:41	0.130	-18.090	-11.600	126.151%	-0.498	-0.266	0.453	0.627	301.700	0.338
x		-0.060	-18.130	-10.640	125.327%	-0.455	-0.295	0.490	0.195	298.100	0.586
σ		0.472	0.386	1.483	0.867%	0.069	0.025	0.069	0.433	4.159	0.312
%RSD		785.000	2.129	13.940	0.692	15.190	8.558	14.170	222.600	1.395	53.240
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:34:31	30.510	34.460	0.049	-0.013	19.590	0.694	-0.189	-0.408	0.017	-0.507
2	17:35:36	21.390	24.560	-0.057	-0.126	17.280	0.470	-0.291	-0.429	-0.254	-0.598
3	17:36:41	16.690	20.440	-0.074	-0.157	14.250	0.332	-0.316	-0.493	-0.020	-0.603
x		22.870	26.490	-0.027	-0.098	17.040	0.499	-0.265	-0.443	-0.086	-0.569
σ		7.026	7.205	0.066	0.076	2.676	0.183	0.068	0.044	0.147	0.054
%RSD		30.730	27.200	242.500	77.190	15.710	36.590	25.440	9.986	171.200	9.439
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:34:31	-0.299	8.792	0.900	0.000	0.000	-0.127	0.067	120.080%	-0.018	0.010
2	17:35:36	-0.130	7.374	0.726	0.000	0.000	-0.237	-0.076	121.017%	-0.167	-0.131
3	17:36:41	-0.215	7.673	0.819	0.000	0.000	-0.181	-0.123	120.729%	-0.206	-0.133
x		-0.215	7.946	0.815	0.000	0.000	-0.182	-0.044	120.609%	-0.131	-0.085
σ		0.084	0.748	0.087	0.000	0.000	0.055	0.099	0.480%	0.099	0.082
%RSD		39.270	9.408	10.680	0.000	0.000	30.430	225.600	0.398	75.930	96.830
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:34:31	0.050	117.491%	-0.237	0.473	0.225	0.038	0.488	0.030	0.043	113.442%
2	17:35:36	-0.060	118.018%	0.230	0.373	0.189	-0.051	0.420	-0.012	-0.005	113.313%
3	17:36:41	-0.106	117.489%	-0.470	0.366	0.233	-0.074	0.412	-0.093	-0.049	113.539%
x		-0.038	117.666%	-0.159	0.404	0.215	-0.029	0.440	-0.025	-0.004	113.431%
σ		0.080	0.305%	0.356	0.060	0.024	0.059	0.042	0.062	0.046	0.114%
%RSD		207.400	0.259	224.500	14.900	10.940	205.000	9.456	248.800	1184.000	0.100
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:34:31	-0.037	0.894	0.844	0.250	107.064%	106.733%	0.225	0.450	0.141	0.156
2	17:35:36	-0.126	0.515	0.486	0.040	107.541%	106.704%	0.134	0.358	0.022	0.023
3	17:36:41	-0.157	0.390	0.302	-0.053	106.864%	106.765%	0.124	0.354	-0.018	-0.003
x		-0.107	0.600	0.544	0.079	107.156%	106.734%	0.161	0.387	0.049	0.059
σ		0.063	0.263	0.276	0.155	0.348%	0.030%	0.056	0.054	0.082	0.085
%RSD		58.600	43.790	50.690	196.800	0.325	0.028	34.600	13.920	169.900	145.400
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	17:34:31	0.203	102.740%	0.000	0.000						
2	17:35:36	0.080	103.890%	0.000	0.000						
3	17:36:41	0.051	104.166%	0.000	0.000						
x		0.111	103.599%	0.000	0.000						
σ		0.080	0.756%	0.000	0.000						
%RSD		72.400	0.730	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:50	92.860%	-0.108	M 156.100	M 156.500	0.000	TM 570600.000	TM 59960.000	TM 58460.000	5.349	± 0.000
2	17:39:56	92.952%	-0.053	M 155.500	M 160.900	0.000	TM 579700.000	TM 60950.000	TM 59950.000	4.201	± 0.000
3	17:41:01	93.630%	-0.081	M 159.500	M 160.500	0.000	TM 580700.000	TM 61010.000	TM 59640.000	4.004	± 0.000
X		93.148%	-0.080	M 157.000	M 159.300	0.000	TM 577000.000	TM 60640.000	TM 59350.000	4.518	± 0.000
σ		0.420%	0.027	M 2.158	M 2.438	0.000	TM 5550.000	TM 590.200	TM 784.300	0.726	± 0.000
%RSD		0.451	33.940	M 1.374	M 1.531	0.000	TM 0.962	TM 0.973	TM 1.322	16.080	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:50	TM 4731.000	M 67370.000	TM 74340.000	156.240%	4.029	0.028	-0.005	0.630	57.260	TM 12760.000
2	17:39:56	TM 4823.000	M 68690.000	TM 75460.000	160.037%	2.884	0.021	-0.154	0.347	57.370	TM 12930.000
3	17:41:01	TM 4802.000	M 67580.000	TM 74340.000	164.986%	2.778	0.094	-0.188	0.565	54.780	TM 12740.000
X		TM 4786.000	M 67880.000	TM 74710.000	160.421%	3.230	0.047	-0.116	0.514	56.470	TM 12810.000
σ		TM 48.260	M 711.100	TM 645.100	4.386%	0.693	0.040	0.097	0.148	1.464	TM 105.900
%RSD		TM 1.008	M 1.048	TM 0.864	2.734	21.470	84.730	84.090	28.860	2.593	TM 0.827
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:50	TM 204900.000	TM 231400.000	-0.108	0.121	30.470	4.345	0.217	0.625	54.930	41.090
2	17:39:56	TM 207800.000	TM 235100.000	-0.093	0.168	36.030	4.652	0.259	0.743	55.130	41.780
3	17:41:01	TM 204800.000	TM 232500.000	-0.120	0.204	37.280	4.905	0.211	0.725	55.760	41.850
X		TM 205900.000	TM 233000.000	-0.107	0.165	34.590	4.634	0.229	0.698	55.270	41.570
σ		TM 1691.000	TM 1890.000	0.013	0.042	3.629	0.280	0.026	0.064	0.434	0.421
%RSD		TM 0.821	TM 0.811	12.600	25.300	10.490	6.048	11.220	9.157	0.786	1.013
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:50	0.826	2.564	0.820	0.000	0.000	1.918	TM 994.600	122.992%	-0.167	-0.118
2	17:39:56	0.661	4.418	1.003	0.000	0.000	2.156	TM 1000.000	125.971%	-0.179	-0.140
3	17:41:01	0.691	4.476	1.161	0.000	0.000	1.929	TM 993.900	127.866%	-0.192	-0.162
X		0.726	3.819	0.995	0.000	0.000	2.001	TM 996.200	125.609%	-0.180	-0.140
σ		0.088	1.087	0.171	0.000	0.000	0.134	TM 3.331	2.457%	0.012	0.022
%RSD		12.130	28.460	17.160	0.000	0.000	6.705	TM 0.334	1.956	6.916	15.950
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:50	-0.120	107.373%	-5.751	0.347	0.574	-0.072	0.395	-0.412	-0.277	108.119%
2	17:39:56	-0.106	108.932%	-6.777	0.358	0.647	0.023	0.396	-0.478	-0.327	109.740%
3	17:41:01	-0.121	111.187%	-6.080	0.342	0.601	0.020	0.388	-0.443	-0.300	112.343%
X		-0.115	109.164%	-6.203	0.349	0.607	-0.010	0.393	-0.444	-0.301	110.067%
σ		0.008	1.917%	0.524	0.008	0.037	0.054	0.004	0.033	0.025	2.131%
%RSD		7.365	1.756	8.443	2.288	6.079	550.400	1.037	7.400	8.184	1.936
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:50	-0.191	0.235	0.258	TM 2074.000	108.496%	108.237%	0.046	0.284	-0.005	-0.005
2	17:39:56	-0.179	0.179	0.160	TM 2089.000	109.030%	108.574%	0.040	0.281	-0.015	-0.013
3	17:41:01	-0.186	0.128	0.107	TM 2083.000	110.805%	109.925%	0.044	0.279	-0.018	-0.022
X		-0.185	0.181	0.175	TM 2082.000	109.444%	108.912%	0.044	0.281	-0.013	-0.013
σ		0.006	0.054	0.077	TM 7.492	1.209%	0.893%	0.003	0.002	0.007	0.008
%RSD		3.404	29.840	43.970	TM 0.360	1.105	0.820	6.806	0.872	50.960	63.160
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	17:38:50	0.052	92.013%	0.000	0.000						
2	17:39:56	0.042	92.309%	0.000	0.000						
3	17:41:01	0.039	92.785%	0.000	0.000						
X		0.044	92.369%	0.000	0.000						
σ		0.007	0.389%	0.000	0.000						
%RSD		14.890	0.421	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:43:09	99.976%	-0.030	M 215.600	M 223.400	0.000	TM 366900.000	TM 47210.000	TM 46260.000	T 7.820	T 0.000
2	17:44:15	98.436%	-0.006	M 228.600	M 232.300	0.000	TM 384300.000	TM 49880.000	TM 49000.000	6.151	T 0.000
3	17:45:20	97.509%	-0.035	M 231.900	M 237.000	0.000	TM 381700.000	TM 49390.000	TM 48500.000	5.920	T 0.000
X		98.640%	-0.024	M 225.400	M 230.900	0.000	TM 377600.000	TM 48830.000	TM 47920.000	T 6.630	T 0.000
σ		1.246%	0.016	M 8.576	M 6.941	0.000	TM 9360.000	TM 1421.000	TM 1461.000	T 1.037	T 0.000
%RSD		1.263	65.430	M 3.806	M 3.006	0.000	TM 2.479	TM 2.910	TM 3.049	T 15.640	T 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:43:09	TM 8489.000	M 39750.000	TM 44250.000	154.771%	5.619	0.444	1.261	0.686	207.000	TM 1917.000
2	17:44:15	TM 8946.000	M 42940.000	TM 47710.000	148.109%	6.120	0.537	1.399	1.334	215.500	TM 2053.000
3	17:45:20	TM 8835.000	M 42440.000	TM 47220.000	148.822%	6.296	0.455	1.411	1.379	211.800	TM 2039.000
X		TM 8757.000	M 41710.000	TM 46400.000	150.567%	6.012	0.479	1.357	1.133	211.400	TM 2003.000
σ		TM 238.200	M 1718.000	TM 1872.000	3.658%	0.351	0.051	0.083	0.388	4.261	TM 74.780
%RSD		TM 2.720	M 4.118	TM 4.035	2.430	5.837	10.610	6.135	34.250	2.015	TM 3.734
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:43:09	TM 16340.000	TM 18070.000	1.624	0.713	42.830	3.746	0.061	0.829	17.100	12.900
2	17:44:15	TM 17550.000	TM 19350.000	1.746	0.891	47.540	4.020	0.144	0.973	19.160	13.590
3	17:45:20	TM 17350.000	TM 19140.000	1.752	0.790	47.570	3.912	0.090	1.017	18.150	13.450
X		TM 17080.000	TM 18850.000	1.707	0.798	45.980	3.893	0.098	0.940	18.140	13.310
σ		TM 645.500	TM 685.000	0.072	0.089	2.727	0.138	0.042	0.098	1.027	0.362
%RSD		TM 3.779	TM 3.633	4.231	11.190	5.932	3.541	42.910	10.440	5.663	2.719
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:43:09	0.561	7.850	0.747	0.000	0.000	0.486	TM 593.400	125.815%	-0.156	-0.127
2	17:44:15	0.428	9.418	0.845	0.000	0.000	0.486	TM 633.500	121.564%	-0.149	-0.112
3	17:45:20	0.410	9.121	0.880	0.000	0.000	0.582	TM 633.100	120.999%	-0.145	-0.080
X		0.466	8.796	0.824	0.000	0.000	0.518	TM 620.000	122.793%	-0.150	-0.106
σ		0.083	0.833	0.069	0.000	0.000	0.055	TM 23.040	2.633%	0.006	0.024
%RSD		17.730	9.465	8.370	0.000	0.000	10.690	TM 3.716	2.144	3.926	22.690
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:43:09	-0.055	111.368%	-3.270	0.343	0.422	0.044	0.392	-0.277	-0.186	110.772%
2	17:44:15	-0.037	107.642%	-3.169	0.341	0.415	0.048	0.385	-0.258	-0.176	107.964%
3	17:45:20	-0.057	108.401%	-3.113	0.362	0.408	-0.000	0.388	-0.262	-0.174	108.287%
X		-0.050	109.137%	-3.184	0.349	0.415	0.031	0.388	-0.266	-0.179	109.008%
σ		0.011	1.969%	0.079	0.011	0.007	0.027	0.004	0.010	0.006	1.536%
%RSD		22.200	1.804	2.491	3.248	1.631	87.870	1.005	3.709	3.576	1.409
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:43:09	-0.191	0.146	0.094	M 584.000	111.181%	111.243%	0.036	0.270	-0.013	-0.007
2	17:44:15	-0.194	0.118	0.098	M 622.600	108.431%	107.200%	0.034	0.269	-0.007	-0.004
3	17:45:20	-0.188	0.127	0.078	M 617.400	108.612%	109.327%	0.030	0.271	-0.015	0.010
X		-0.191	0.130	0.090	M 608.000	109.408%	109.257%	0.033	0.270	-0.012	-0.000
σ		0.003	0.014	0.011	M 20.950	1.538%	2.022%	0.003	0.001	0.004	0.009
%RSD		1.655	10.980	11.810	M 3.447	1.406	1.851	8.961	0.474	35.260	3232.000
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	17:43:09	0.049	98.612%	0.000	0.000						
2	17:44:15	0.053	94.870%	0.000	0.000						
3	17:45:20	0.055	95.343%	0.000	0.000						
X		0.052	96.275%	0.000	0.000						
σ		0.003	2.038%	0.000	0.000						
%RSD		5.224	2.117	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:47:28	98.445%	-0.015	M 225.100	M 229.700	0.000	TM 382400.000	TM 49840.000	TM 48880.000	7.004	± 0.000
2	17:48:32	99.640%	0.048	M 228.200	M 227.900	0.000	TM 378000.000	TM 49120.000	TM 48090.000	6.655	± 0.000
3	17:49:37	97.782%	0.008	M 238.500	M 241.400	0.000	TM 391500.000	TM 51290.000	TM 50210.000	6.943	± 0.000
X		98.622%	0.014	M 230.600	M 233.000	0.000	TM 384000.000	TM 50080.000	TM 49060.000	6.867	± 0.000
σ		0.942%	0.032	M 7.014	M 7.336	0.000	TM 6900.000	TM 1106.000	TM 1073.000	0.186	± 0.000
%RSD		0.955	232.500	M 3.041	M 3.149	0.000	TM 1.797	TM 2.208	TM 2.187	2.712	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:47:28	TM 8992.000	M 43220.000	TM 48330.000	147.808%	6.345	0.678	1.410	1.755	194.700	TM 2085.000
2	17:48:32	TM 8786.000	M 41860.000	TM 46800.000	151.962%	5.883	0.753	1.318	1.894	190.300	TM 2027.000
3	17:49:37	TM 9170.000	M 44220.000	TM 49120.000	149.143%	6.116	0.771	1.396	1.745	193.700	TM 2111.000
X		TM 8983.000	M 43100.000	TM 48080.000	149.637%	6.115	0.734	1.375	1.798	192.900	TM 2075.000
σ		TM 192.500	M 1182.000	TM 1180.000	2.121%	0.231	0.049	0.049	0.083	2.309	TM 42.850
%RSD		TM 2.144	M 2.743	TM 2.454	1.417	3.775	6.723	3.589	4.632	1.197	TM 2.065
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:47:28	TM 17760.000	TM 19470.000	1.500	0.705	44.580	3.888	0.238	0.599	18.280	13.090
2	17:48:32	TM 17250.000	TM 18860.000	1.489	0.649	38.530	3.678	0.204	0.563	17.900	13.110
3	17:49:37	TM 18010.000	TM 19670.000	1.535	0.710	37.590	3.748	0.262	0.564	18.540	13.380
X		TM 17670.000	TM 19330.000	1.508	0.688	40.230	3.771	0.234	0.576	18.240	13.190
σ		TM 387.500	TM 423.100	0.024	0.034	3.796	0.107	0.029	0.020	0.322	0.159
%RSD		TM 2.193	TM 2.188	1.603	4.928	9.436	2.835	12.490	3.487	1.763	1.201
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:47:28	0.609	6.549	0.970	0.000	0.000	0.688	TM 636.900	122.578%	-0.206	-0.151
2	17:48:32	0.555	6.798	0.801	0.000	0.000	0.810	TM 625.000	124.047%	-0.200	-0.159
3	17:49:37	0.433	8.437	1.074	0.000	0.000	0.853	TM 653.800	122.098%	-0.191	-0.144
X		0.532	7.261	0.948	0.000	0.000	0.784	TM 638.600	122.907%	-0.199	-0.152
σ		0.090	1.026	0.138	0.000	0.000	0.085	TM 14.470	1.016%	0.008	0.007
%RSD		16.850	14.120	14.530	0.000	0.000	10.900	TM 2.267	0.826	3.808	4.808
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:47:28	-0.090	107.429%	-3.048	0.354	0.412	0.121	0.394	-0.268	-0.180	107.877%
2	17:48:32	-0.089	110.205%	-3.500	0.361	0.429	-0.049	0.386	-0.289	-0.188	111.113%
3	17:49:37	-0.095	108.521%	-3.814	0.358	0.457	0.047	0.391	-0.310	-0.207	109.038%
X		-0.091	108.718%	-3.454	0.358	0.433	0.040	0.390	-0.289	-0.192	109.343%
σ		0.003	1.398%	0.385	0.003	0.022	0.085	0.004	0.021	0.014	1.640%
%RSD		3.585	1.286	11.150	0.951	5.199	215.500	1.024	7.259	7.372	1.499
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:47:28	-0.197	0.060	0.001	TM 668.700	108.328%	108.261%	0.028	0.269	-0.014	-0.018
2	17:48:32	-0.190	0.052	-0.009	M 619.100	111.323%	110.780%	0.027	0.265	-0.023	-0.014
3	17:49:37	-0.198	0.044	0.009	TM 674.100	108.950%	107.918%	0.026	0.266	-0.017	-0.017
X		-0.195	0.052	0.001	TM 654.000	109.534%	108.986%	0.027	0.267	-0.018	-0.016
σ		0.004	0.008	0.009	TM 30.290	1.581%	1.563%	0.001	0.002	0.005	0.002
%RSD		2.203	15.160	1445.000	TM 4.631	1.443	1.434	4.211	0.776	26.070	14.180
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	17:47:28	0.041	95.628%	0.000	0.000						
2	17:48:32	0.039	97.653%	0.000	0.000						
3	17:49:37	0.039	95.177%	0.000	0.000						
X		0.040	96.153%	0.000	0.000						
σ		0.001	1.319%	0.000	0.000						
%RSD		2.750	1.372	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:45	99.435%	0.018	M 219.300	M 220.100	0.000	TM 367600.000	TM 47350.000	TM 46650.000	T 8.696	T 0.000
2	17:52:50	99.267%	-0.003	M 221.200	M 228.600	0.000	TM 376300.000	TM 48940.000	TM 48210.000	5.599	T 0.000
3	17:53:55	96.190%	0.006	M 236.600	M 238.700	0.000	TM 388700.000	TM 50730.000	TM 49830.000	T 8.750	T 0.000
X		98.297%	0.007	M 225.700	M 229.100	0.000	TM 377500.000	TM 49010.000	TM 48230.000	T 7.682	T 0.000
σ		1.827%	0.011	M 9.455	M 9.349	0.000	TM 10580.000	TM 1693.000	TM 1589.000	T 1.804	T 0.000
%RSD		1.859	146.700	M 4.189	M 4.080	0.000	TM 2.803	TM 3.455	TM 3.295	T 23.480	T 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:45	TM 8675.000	M 41320.000	TM 46100.000	147.489%	5.911	0.734	1.217	1.344	185.300	TM 1965.000
2	17:52:50	TM 8964.000	M 42610.000	TM 47640.000	146.183%	6.277	0.722	1.325	1.489	186.700	TM 2050.000
3	17:53:55	TM 9131.000	M 44000.000	TM 48970.000	144.846%	5.844	0.878	1.308	2.240	185.700	TM 2100.000
X		TM 8923.000	M 42640.000	TM 47570.000	146.173%	6.011	0.778	1.283	1.691	185.900	TM 2038.000
σ		TM 230.700	M 1341.000	TM 1434.000	1.321%	0.233	0.087	0.058	0.481	0.693	TM 67.970
%RSD		TM 2.585	M 3.144	TM 3.015	0.904	3.881	11.170	4.530	28.440	0.373	TM 3.335
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:45	TM 16820.000	TM 18550.000	1.381	0.630	31.580	3.229	0.111	0.584	16.710	12.610
2	17:52:50	TM 17540.000	TM 19250.000	1.398	0.579	31.930	3.231	0.123	0.601	17.950	13.220
3	17:53:55	TM 18080.000	TM 19780.000	1.478	0.659	30.210	3.234	0.125	0.808	18.000	13.430
X		TM 17480.000	TM 19200.000	1.419	0.622	31.240	3.231	0.120	0.664	17.550	13.090
σ		TM 632.200	TM 614.500	0.052	0.040	0.907	0.002	0.007	0.125	0.731	0.426
%RSD		TM 3.616	TM 3.201	3.673	6.495	2.902	0.072	6.137	18.740	4.162	3.255
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:45	0.604	4.681	0.506	0.000	0.000	0.624	TM 606.800	123.590%	-0.204	-0.179
2	17:52:50	0.600	5.545	0.728	0.000	0.000	0.735	TM 634.900	120.617%	-0.211	-0.177
3	17:53:55	0.619	6.466	0.860	0.000	0.000	0.879	TM 648.800	119.731%	-0.197	-0.165
X		0.607	5.564	0.698	0.000	0.000	0.746	TM 630.200	121.313%	-0.204	-0.174
σ		0.010	0.893	0.179	0.000	0.000	0.128	TM 21.400	2.022%	0.007	0.008
%RSD		1.637	16.040	25.610	0.000	0.000	17.150	TM 3.396	1.667	3.449	4.529
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:45	-0.084	110.625%	-2.280	0.357	0.350	-0.049	0.388	-0.199	-0.137	111.239%
2	17:52:50	-0.095	107.140%	-3.665	0.349	0.442	-0.000	0.381	-0.293	-0.192	109.750%
3	17:53:55	-0.086	105.483%	-3.343	0.347	0.423	0.026	0.386	-0.273	-0.182	107.662%
X		-0.088	107.749%	-3.096	0.351	0.405	-0.008	0.385	-0.255	-0.170	109.550%
σ		0.006	2.625%	0.725	0.005	0.049	0.038	0.004	0.049	0.029	1.797%
%RSD		6.711	2.436	23.410	1.541	11.990	482.400	0.977	19.340	17.100	1.640
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:45	-0.193	0.018	-0.015	TM 625.000	112.661%	112.146%	0.028	0.264	-0.020	-0.014
2	17:52:50	-0.196	0.014	-0.017	M 620.500	109.255%	110.405%	0.024	0.262	-0.011	-0.018
3	17:53:55	-0.207	0.016	-0.036	M 632.800	108.956%	107.167%	0.024	0.261	-0.017	-0.021
X		-0.199	0.016	-0.022	TM 626.100	110.291%	109.906%	0.025	0.262	-0.016	-0.018
σ		0.008	0.002	0.011	TM 6.240	2.058%	2.527%	0.002	0.001	0.005	0.004
%RSD		3.843	13.480	51.290	TM 0.997	1.866	2.299	8.439	0.544	28.910	19.840
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	17:51:45	0.041	98.213%	0.000	0.000						
2	17:52:50	0.041	96.869%	0.000	0.000						
3	17:53:55	0.041	96.009%	0.000	0.000						
X		0.041	97.030%	0.000	0.000						
σ		0.000	1.111%	0.000	0.000						
%RSD		0.706	1.145	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:56:03	94.633%	0.096	M 227.000	M 231.900	0.000	TM 406200.000	TM 40190.000	TM 39590.000	5.416	± 0.000
2	17:57:08	92.236%	0.129	M 224.100	M 229.300	0.000	TM 405000.000	TM 39550.000	TM 39170.000	5.461	± 0.000
3	17:58:13	93.054%	0.017	M 230.000	M 233.900	0.000	TM 409000.000	TM 40020.000	TM 39480.000	± 8.754	± 0.000
X		93.308%	0.081	M 227.100	M 231.700	0.000	TM 406700.000	TM 39920.000	TM 39410.000	± 6.543	± 0.000
σ		1.218%	0.058	M 2.944	M 2.281	0.000	TM 2081.000	TM 330.200	TM 218.900	± 1.915	± 0.000
%RSD		1.306	71.650	M 1.297	M 0.984	0.000	TM 0.512	TM 0.827	TM 0.555	± 29.260	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:56:03	TM 6635.000	M 56880.000	TM 63310.000	134.292%	5.441	1.166	1.188	1.217	120.200	TM 1069.000
2	17:57:08	TM 6490.000	M 54920.000	TM 61020.000	136.389%	5.200	0.853	1.068	1.458	113.600	TM 1020.000
3	17:58:13	TM 6591.000	M 56090.000	TM 62280.000	134.342%	5.374	1.044	1.091	1.429	109.400	TM 1043.000
X		TM 6572.000	M 55960.000	TM 62200.000	135.007%	5.338	1.021	1.116	1.368	114.400	TM 1044.000
σ		TM 74.600	M 989.000	TM 1145.000	1.196%	0.124	0.158	0.064	0.132	5.426	TM 24.580
%RSD		TM 1.135	M 1.767	TM 1.841	0.886	2.324	15.460	5.711	9.623	4.742	TM 2.354
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:56:03	TM 12100.000	TM 13310.000	1.251	0.439	29.130	3.413	0.189	1.451	15.430	12.080
2	17:57:08	TM 11610.000	M 12640.000	1.177	0.296	28.390	3.233	0.254	1.302	15.270	11.510
3	17:58:13	TM 11800.000	M 12850.000	1.222	0.315	26.780	3.227	0.256	1.390	14.920	11.920
X		TM 11830.000	TM 12940.000	1.217	0.350	28.100	3.291	0.233	1.381	15.210	11.840
σ		TM 244.700	TM 340.500	0.037	0.078	1.205	0.105	0.038	0.075	0.260	0.295
%RSD		TM 2.068	TM 2.632	3.058	22.240	4.290	3.199	16.410	5.405	1.709	2.487
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:56:03	0.562	1.937	0.857	0.000	0.000	1.025	TM 682.200	112.331%	-0.187	-0.172
2	17:57:08	0.536	0.195	0.685	0.000	0.000	1.061	TM 658.800	114.340%	-0.215	-0.164
3	17:58:13	0.446	0.659	0.632	0.000	0.000	0.850	TM 668.000	113.541%	-0.195	-0.135
X		0.515	0.930	0.724	0.000	0.000	0.979	TM 669.700	113.404%	-0.199	-0.157
σ		0.061	0.903	0.118	0.000	0.000	0.113	TM 11.830	1.012%	0.015	0.019
%RSD		11.880	97.000	16.230	0.000	0.000	11.530	TM 1.767	0.892	7.380	12.420
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:56:03	-0.086	99.627%	-3.843	0.338	0.452	-0.019	0.390	-0.300	-0.203	102.539%
2	17:57:08	-0.096	102.436%	-3.764	0.342	0.447	-0.021	0.383	-0.290	-0.195	104.729%
3	17:58:13	-0.093	101.423%	-3.092	0.347	0.406	0.005	0.379	-0.256	-0.165	103.436%
X		-0.092	101.162%	-3.566	0.342	0.435	-0.011	0.384	-0.282	-0.188	103.568%
σ		0.005	1.422%	0.413	0.005	0.025	0.015	0.005	0.023	0.020	1.101%
%RSD		5.572	1.406	11.570	1.323	5.855	127.400	1.400	8.182	10.780	1.063
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:56:03	-0.176	0.004	-0.022	M 540.900	103.127%	103.140%	0.021	0.261	0.008	0.003
2	17:57:08	-0.192	0.006	-0.036	M 515.100	106.898%	107.618%	0.021	0.261	0.007	0.009
3	17:58:13	-0.191	0.012	-0.022	M 531.000	104.878%	106.580%	0.020	0.261	-0.007	-0.008
X		-0.186	0.007	-0.027	M 529.000	104.968%	105.779%	0.021	0.261	0.003	0.001
σ		0.009	0.004	0.008	M 13.050	1.887%	2.344%	0.001	0.000	0.008	0.008
%RSD		4.865	60.040	29.440	M 2.466	1.798	2.216	4.346	0.118	308.600	665.800
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	17:56:03	0.062	92.404%	0.000	0.000						
2	17:57:08	0.063	94.755%	0.000	0.000						
3	17:58:13	0.054	93.364%	0.000	0.000						
X		0.060	93.508%	0.000	0.000						
σ		0.005	1.182%	0.000	0.000						
%RSD		7.870	1.264	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:00:21	94.168%	0.092	M 214.300	M 220.200	0.000	TM 383800.000	TM 37230.000	TM 36540.000	T 11.150	T 0.000
2	18:01:26	92.794%	0.059	M 225.100	M 229.500	0.000	TM 402100.000	TM 39600.000	TM 39000.000	6.063	T 0.000
3	18:02:31	93.475%	0.048	M 218.900	M 227.400	0.000	TM 398400.000	TM 39080.000	TM 38400.000	5.946	T 0.000
X		93.479%	0.067	M 219.500	M 225.700	0.000	TM 394800.000	TM 38640.000	TM 37980.000	T 7.719	T 0.000
σ		0.687%	0.023	M 5.423	M 4.898	0.000	TM 9676.000	TM 1247.000	TM 1280.000	T 2.970	T 0.000
%RSD		0.735	34.330	M 2.471	M 2.170	0.000	TM 2.451	TM 3.228	TM 3.371	T 38.480	T 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:00:21	TM 6197.000	M 51980.000	TM 58150.000	134.366%	5.194	0.999	0.997	1.639	107.700	TM 972.900
2	18:01:26	TM 6498.000	M 55650.000	TM 61970.000	131.890%	5.759	1.183	1.124	2.074	109.400	TM 1039.000
3	18:02:31	TM 6521.000	M 55490.000	TM 61690.000	131.350%	5.565	1.022	1.109	0.863	117.500	TM 1033.000
X		TM 6406.000	M 54370.000	TM 60600.000	132.536%	5.506	1.068	1.076	1.525	111.600	TM 1015.000
σ		TM 181.100	M 2072.000	TM 2127.000	1.608%	0.287	0.100	0.070	0.614	5.192	TM 36.510
%RSD		TM 2.828	M 3.811	TM 3.510	1.214	5.217	9.372	6.463	40.230	4.654	TM 3.597
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:00:21	TM 11230.000	M 12230.000	1.112	0.236	22.780	3.733	1.016	0.512	13.500	10.170
2	18:01:26	TM 12120.000	TM 13290.000	1.196	0.276	25.010	4.288	1.150	0.647	14.390	11.150
3	18:02:31	TM 12050.000	TM 13190.000	1.178	0.266	28.390	4.350	1.038	0.742	13.860	10.830
X		TM 11800.000	TM 12900.000	1.162	0.259	25.390	4.124	1.068	0.633	13.920	10.720
σ		TM 497.100	TM 583.800	0.044	0.020	2.828	0.340	0.072	0.116	0.451	0.496
%RSD		TM 4.212	TM 4.524	3.796	7.853	11.140	8.242	6.702	18.230	3.244	4.629
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:00:21	0.418	-0.254	0.204	0.000	0.000	1.136	TM 620.600	115.058%	-0.243	-0.152
2	18:01:26	0.557	0.728	0.599	0.000	0.000	1.195	TM 669.600	110.719%	-0.212	-0.154
3	18:02:31	0.620	0.524	0.492	0.000	0.000	1.200	TM 656.600	111.830%	-0.219	-0.172
X		0.532	0.333	0.431	0.000	0.000	1.177	TM 648.900	112.536%	-0.224	-0.160
σ		0.103	0.518	0.204	0.000	0.000	0.035	TM 25.400	2.254%	0.017	0.011
%RSD		19.420	155.900	47.320	0.000	0.000	3.014	TM 3.914	2.003	7.363	6.672
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:00:21	-0.132	103.534%	-3.365	0.349	0.422	-0.021	0.381	-0.273	-0.186	105.185%
2	18:01:26	-0.108	99.139%	-3.416	0.341	0.427	0.008	0.382	-0.280	-0.186	101.541%
3	18:02:31	-0.111	100.344%	-3.769	0.350	0.449	0.006	0.382	-0.296	-0.202	102.859%
X		-0.117	101.006%	-3.517	0.347	0.433	-0.003	0.382	-0.283	-0.191	103.195%
σ		0.013	2.271%	0.220	0.005	0.015	0.016	0.001	0.012	0.009	1.845%
%RSD		10.890	2.248	6.251	1.380	3.389	640.000	0.224	4.159	4.643	1.788
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:00:21	-0.198	0.017	-0.035	M 489.300	108.174%	108.793%	0.026	0.262	-0.026	-0.018
2	18:01:26	-0.191	0.017	-0.015	M 535.500	103.692%	104.856%	0.024	0.264	-0.022	-0.010
3	18:02:31	-0.194	0.023	-0.034	M 524.200	105.126%	105.569%	0.022	0.262	-0.023	-0.025
X		-0.194	0.019	-0.028	M 516.300	105.664%	106.406%	0.024	0.262	-0.024	-0.017
σ		0.004	0.004	0.011	M 24.070	2.289%	2.098%	0.002	0.001	0.002	0.007
%RSD		1.985	20.030	40.320	M 4.662	2.166	1.971	7.981	0.396	9.707	41.070
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	18:00:21	0.037	96.142%	0.000	0.000						
2	18:01:26	0.041	92.470%	0.000	0.000						
3	18:02:31	0.038	94.292%	0.000	0.000						
X		0.038	94.301%	0.000	0.000						
σ		0.002	1.836%	0.000	0.000						
%RSD		5.468	1.947	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:04:39	92.306%	0.074	M 227.200	M 229.000	0.000	TM 406300.000	TM 40080.000	TM 39340.000	5.237	± 0.000
2	18:05:44	96.492%	0.051	M 211.700	M 216.400	0.000	TM 382600.000	TM 37350.000	TM 36760.000	4.921	± 0.000
3	18:06:49	93.678%	0.075	M 225.200	M 227.800	0.000	TM 398600.000	TM 39000.000	TM 38500.000	± 8.074	± 0.000
X		94.159%	0.067	M 221.300	M 224.400	0.000	TM 395800.000	TM 38810.000	TM 38200.000	± 6.077	± 0.000
σ		2.134%	0.014	M 8.452	M 6.960	0.000	TM 12110.000	TM 1378.000	TM 1317.000	± 1.737	± 0.000
%RSD		2.266	20.670	M 3.819	M 3.102	0.000	TM 3.059	TM 3.550	TM 3.447	± 28.580	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:04:39	TM 6604.000	M 56540.000	TM 62790.000	129.297%	5.443	1.071	1.311	1.206	127.700	TM 1055.000
2	18:05:44	TM 6284.000	M 52630.000	TM 58830.000	135.416%	4.904	1.036	1.197	1.672	126.900	TM 990.200
3	18:06:49	TM 6474.000	M 54780.000	TM 60980.000	133.436%	5.224	1.083	1.274	1.560	132.700	TM 1022.000
X		TM 6454.000	M 54650.000	TM 60870.000	132.717%	5.190	1.064	1.261	1.480	129.100	TM 1022.000
σ		TM 160.800	M 1957.000	TM 1982.000	3.122%	0.271	0.024	0.058	0.243	3.138	TM 32.220
%RSD		TM 2.491	M 3.582	TM 3.257	2.353	5.221	2.299	4.640	16.430	2.431	TM 3.152
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:04:39	TM 11950.000	TM 13070.000	1.212	0.326	29.160	3.439	0.122	0.587	14.560	10.390
2	18:05:44	TM 11220.000	M 12150.000	1.154	0.345	28.250	3.372	0.076	0.527	13.810	10.240
3	18:06:49	TM 11630.000	TM 12660.000	1.169	0.338	30.620	3.463	0.099	0.642	13.500	10.070
X		TM 11600.000	TM 12630.000	1.178	0.336	29.340	3.425	0.099	0.585	13.960	10.230
σ		TM 367.500	TM 460.100	0.030	0.009	1.199	0.047	0.023	0.057	0.544	0.158
%RSD		TM 3.168	TM 3.644	2.571	2.742	4.085	1.374	22.760	9.792	3.899	1.546
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:04:39	0.595	1.785	0.565	0.000	0.000	1.141	TM 671.000	110.524%	-0.196	-0.154
2	18:05:44	0.400	1.583	0.319	0.000	0.000	0.767	TM 634.400	114.043%	-0.205	-0.175
3	18:06:49	0.495	2.480	0.510	0.000	0.000	0.868	TM 656.000	112.115%	-0.185	-0.148
X		0.497	1.949	0.465	0.000	0.000	0.925	TM 653.800	112.227%	-0.195	-0.159
σ		0.097	0.471	0.129	0.000	0.000	0.193	TM 18.360	1.762%	0.010	0.014
%RSD		19.550	24.140	27.810	0.000	0.000	20.890	TM 2.809	1.570	5.205	9.005
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:04:39	-0.089	99.166%	-3.519	0.345	0.725	4.213	0.386	-0.542	-0.352	100.751%
2	18:05:44	-0.089	101.957%	-3.376	0.347	0.730	4.425	0.382	-0.532	-0.341	104.911%
3	18:06:49	-0.084	100.679%	-2.060	0.340	0.641	4.360	0.386	-0.455	-0.297	101.900%
X		-0.087	100.601%	-2.985	0.344	0.699	4.333	0.385	-0.510	-0.330	102.521%
σ		0.003	1.397%	0.805	0.004	0.050	0.109	0.002	0.047	0.029	2.148%
%RSD		3.858	1.388	26.960	1.112	7.156	2.505	0.611	9.291	8.899	2.096
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:04:39	-0.195	-0.003	-0.041	M 526.600	103.475%	104.318%	0.017	0.258	0.173	0.159
2	18:05:44	-0.186	-0.015	-0.063	M 494.400	107.691%	108.172%	0.015	0.257	0.157	0.154
3	18:06:49	-0.204	-0.008	-0.047	M 513.000	105.170%	105.177%	0.016	0.256	0.168	0.167
X		-0.195	-0.009	-0.050	M 511.300	105.445%	105.889%	0.016	0.257	0.166	0.160
σ		0.009	0.006	0.011	M 16.200	2.122%	2.024%	0.001	0.001	0.008	0.007
%RSD		4.464	70.760	22.490	M 3.168	2.012	1.911	7.012	0.359	5.029	4.148
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	18:04:39	0.220	92.127%	0.000	0.000						
2	18:05:44	0.210	95.401%	0.000	0.000						
3	18:06:49	0.218	93.693%	0.000	0.000						
X		0.216	93.740%	0.000	0.000						
σ		0.006	1.638%	0.000	0.000						
%RSD		2.580	1.747	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:08:57	91.542%	0.057	M 226.000	M 228.800	0.000	TM 403000.000	TM 39500.000	TM 38790.000	4.844	± 0.000
2	18:10:02	90.279%	0.017	M 235.600	M 239.700	0.000	TM 420100.000	TM 41370.000	TM 40710.000	± 8.147	± 0.000
3	18:11:07	96.503%	0.011	M 211.400	M 219.200	0.000	TM 379600.000	TM 36990.000	TM 36330.000	4.582	± 0.000
X		92.775%	0.028	M 224.300	M 229.200	0.000	TM 400900.000	TM 39290.000	TM 38610.000	± 5.858	± 0.000
σ		3.290%	0.025	M 12.230	M 10.260	0.000	TM 20330.000	TM 2198.000	TM 2198.000	± 1.987	± 0.000
%RSD		3.546	88.070	M 5.453	M 4.477	0.000	TM 5.071	TM 5.595	TM 5.692	± 33.920	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:08:57	TM 6514.000	M 55190.000	TM 61650.000	131.020%	5.330	0.973	1.108	0.971	141.600	TM 1034.000
2	18:10:02	TM 6793.000	M 57550.000	TM 63980.000	130.403%	5.775	1.216	1.159	2.124	144.400	TM 1077.000
3	18:11:07	TM 6253.000	M 52290.000	TM 58270.000	136.033%	5.135	0.922	1.069	0.622	146.600	TM 977.800
X		TM 6520.000	M 55010.000	TM 61300.000	132.485%	5.413	1.037	1.112	1.239	144.200	TM 1030.000
σ		TM 269.900	M 2633.000	TM 2870.000	3.088%	0.328	0.157	0.045	0.787	2.490	TM 49.700
%RSD		TM 4.140	M 4.786	TM 4.682	2.331	6.059	15.140	4.050	63.490	1.727	TM 4.827
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:08:57	TM 11610.000	M 12560.000	1.182	0.430	28.580	3.574	0.156	0.807	13.840	10.200
2	18:10:02	TM 12110.000	TM 13200.000	1.234	0.457	31.780	3.848	0.178	0.916	14.430	10.950
3	18:11:07	TM 10940.000	M 11780.000	1.098	0.407	29.300	3.533	0.116	0.761	13.380	10.160
X		TM 11560.000	TM 12510.000	1.171	0.431	29.890	3.651	0.150	0.828	13.880	10.440
σ		TM 586.900	TM 710.000	0.069	0.025	1.676	0.171	0.031	0.080	0.527	0.448
%RSD		TM 5.079	TM 5.674	5.853	5.856	5.609	4.687	20.900	9.643	3.793	4.291
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:08:57	0.343	3.648	0.419	0.000	0.000	0.681	TM 662.900	110.787%	-0.199	-0.165
2	18:10:02	0.487	4.822	0.712	0.000	0.000	0.943	TM 691.700	108.985%	-0.184	-0.151
3	18:11:07	0.414	3.529	0.403	0.000	0.000	0.847	TM 617.500	115.719%	-0.200	-0.174
X		0.415	4.000	0.511	0.000	0.000	0.824	TM 657.400	111.830%	-0.194	-0.163
σ		0.072	0.715	0.174	0.000	0.000	0.133	TM 37.440	3.486%	0.009	0.012
%RSD		17.260	17.870	34.070	0.000	0.000	16.130	TM 5.695	3.117	4.590	7.258
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:08:57	-0.088	99.133%	-3.292	0.359	0.422	0.059	0.391	-0.270	-0.177	101.906%
2	18:10:02	-0.089	97.162%	-3.165	0.350	0.412	0.036	0.386	-0.256	-0.178	99.313%
3	18:11:07	-0.088	102.924%	-2.877	0.342	0.393	0.028	0.383	-0.237	-0.162	105.740%
X		-0.088	99.740%	-3.111	0.350	0.409	0.041	0.387	-0.254	-0.172	102.320%
σ		0.001	2.929%	0.213	0.009	0.015	0.016	0.004	0.017	0.009	3.233%
%RSD		0.827	2.936	6.832	2.497	3.605	38.590	1.036	6.564	5.332	3.160
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:08:57	-0.166	-0.020	-0.063	M 510.000	105.068%	104.744%	0.015	0.255	0.006	0.001
2	18:10:02	-0.197	-0.025	-0.057	M 534.400	102.853%	103.630%	0.016	0.256	-0.000	0.003
3	18:11:07	-0.194	-0.038	-0.052	M 481.400	108.438%	108.295%	0.017	0.257	-0.003	-0.013
X		-0.186	-0.028	-0.057	M 508.600	105.453%	105.556%	0.016	0.256	0.001	-0.003
σ		0.017	0.009	0.005	M 26.560	2.812%	2.437%	0.001	0.001	0.005	0.009
%RSD		9.329	32.990	9.383	M 5.222	2.667	2.308	7.342	0.267	494.600	264.300
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	18:08:57	0.057	93.227%	0.000	0.000						
2	18:10:02	0.055	91.623%	0.000	0.000						
3	18:11:07	0.051	96.250%	0.000	0.000						
X		0.054	93.700%	0.000	0.000						
σ		0.003	2.349%	0.000	0.000						
%RSD		5.784	2.507	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:13:16	96.870%	53.380	59.620	58.410	0.000	TM 1386.000	560.900	557.000	491.900	±0.000
2	18:14:22	97.499%	51.960	57.230	55.730	0.000	681.900	482.500	481.800	465.600	±0.000
3	18:15:27	100.267%	50.820	52.860	52.920	0.000	531.700	457.600	457.600	453.300	±0.000
x		98.212%	52.050	56.570	55.680	0.000	TM 866.700	500.300	498.800	470.300	±0.000
σ		1.807%	1.282	3.425	2.745	0.000	TM 456.300	53.930	51.860	19.730	±0.000
%RSD		1.840	2.463	6.054	4.929	0.000	TM 52.650	10.780	10.400	4.195	±0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:13:16	479.200	698.300	657.600	101.018%	54.290	53.910	53.070	55.570	240.400	55.340
2	18:14:22	450.200	528.800	521.300	105.647%	50.070	49.630	49.820	48.960	244.100	50.390
3	18:15:27	439.900	490.000	479.400	107.350%	49.030	48.460	48.560	49.110	237.700	48.840
x		456.400	572.400	552.800	104.672%	51.130	50.670	50.480	51.220	240.700	51.520
σ		20.370	110.800	93.180	3.277%	2.785	2.867	2.326	3.770	3.241	3.393
%RSD		4.463	19.360	16.860	3.131	5.447	5.658	4.607	7.362	1.346	6.586
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:13:16	±547.500	540.100	53.100	53.760	61.630	52.700	52.430	53.290	54.190	54.160
2	18:14:22	±492.200	484.600	50.130	49.890	58.260	49.500	49.080	50.260	51.200	50.580
3	18:15:27	±476.000	470.500	48.990	49.370	55.080	48.340	48.060	49.470	49.480	49.410
x		±505.200	498.400	50.740	51.010	58.320	50.180	49.860	51.010	51.620	51.380
σ		±37.490	36.810	2.121	2.400	3.275	2.256	2.284	2.018	2.386	2.473
%RSD		±7.421	7.385	4.180	4.705	5.616	4.496	4.580	3.956	4.622	4.814
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:13:16	53.600	56.150	53.720	0.000	0.000	52.570	53.620	102.448%	52.600	52.950
2	18:14:22	50.700	53.500	50.710	0.000	0.000	50.140	50.050	105.717%	50.560	49.450
3	18:15:27	49.540	51.950	49.230	0.000	0.000	49.380	48.890	107.683%	48.850	49.070
x		51.280	53.870	51.220	0.000	0.000	50.700	50.860	105.283%	50.670	50.490
σ		2.095	2.126	2.286	0.000	0.000	1.667	2.468	2.644%	1.877	2.140
%RSD		4.085	3.946	4.462	0.000	0.000	3.288	4.853	2.512	3.703	4.239
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:13:16	52.830	100.637%	52.460	51.310	0.409	52.160	51.060	52.020	51.900	100.278%
2	18:14:22	49.980	103.301%	51.860	49.010	0.281	49.720	48.770	49.680	49.360	103.391%
3	18:15:27	49.160	104.942%	50.050	48.510	0.235	47.360	48.090	48.560	48.780	105.017%
x		50.660	102.960%	51.460	49.610	0.308	49.750	49.310	50.090	50.010	102.895%
σ		1.924	2.173%	1.252	1.497	0.090	2.401	1.558	1.770	1.661	2.408%
%RSD		3.798	2.110	2.434	3.017	29.270	4.827	3.160	3.535	3.321	2.340
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:13:16	52.340	51.950	52.050	54.090	99.818%	99.638%	52.680	52.100	53.060	52.620
2	18:14:22	49.560	49.800	50.030	51.250	102.740%	102.795%	50.400	50.040	50.240	50.060
3	18:15:27	48.370	49.010	49.220	49.000	104.539%	104.007%	49.220	48.790	49.300	49.400
x		50.090	50.250	50.430	51.450	102.366%	102.147%	50.770	50.310	50.870	50.690
σ		2.037	1.522	1.460	2.549	2.382%	2.256%	1.758	1.670	1.956	1.702
%RSD		4.066	3.028	2.896	4.954	2.327	2.208	3.464	3.320	3.846	3.357
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	18:13:16	52.690	98.070%	0.000	0.000						
2	18:14:22	50.180	100.756%	0.000	0.000						
3	18:15:27	49.170	102.808%	0.000	0.000						
x		50.680	100.544%	0.000	0.000						
σ		1.813	2.376%	0.000	0.000						
%RSD		3.577	2.363	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:17:35	100.588%	-0.084	3.804	4.233	0.000	47.600	4.659	5.059	2.689	±0.000
2	18:18:40	100.354%	-0.088	3.368	3.633	0.000	37.200	3.048	3.268	2.299	±0.000
3	18:19:45	97.615%	-0.109	3.583	3.104	0.000	42.740	3.151	3.605	±5.165	±0.000
x		99.519%	-0.094	3.585	3.656	0.000	42.510	3.619	3.977	±3.384	±0.000
σ		1.653%	0.013	0.218	0.565	0.000	5.207	0.902	0.952	±1.554	±0.000
%RSD		1.661	14.080	6.083	15.450	0.000	12.250	24.920	23.930	±45.930	±0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:17:35	-6.358	-15.290	-8.300	105.846%	-0.498	-0.148	0.012	0.434	230.500	0.109
2	18:18:40	-4.468	-19.220	-10.910	106.022%	-0.511	-0.315	0.034	-0.369	240.300	0.010
3	18:19:45	-3.989	-19.140	-10.330	104.850%	-0.529	-0.178	0.004	0.019	248.700	0.043
x		-4.938	-17.890	-9.849	105.572%	-0.512	-0.214	0.017	0.028	239.800	0.054
σ		1.252	2.248	1.372	0.632%	0.016	0.089	0.015	0.401	9.091	0.050
%RSD		25.360	12.570	13.930	0.599	3.097	41.530	92.490	1431.000	3.791	92.950
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:17:35	5.757	7.784	0.004	-0.101	6.650	0.103	-0.256	-0.438	-0.141	-0.588
2	18:18:40	4.793	6.316	-0.061	-0.194	5.704	-0.010	-0.300	-0.524	-0.254	-0.607
3	18:19:45	6.672	6.771	-0.078	-0.215	5.651	0.013	-0.326	-0.511	-0.302	-0.608
x		5.740	6.957	-0.045	-0.170	6.001	0.035	-0.294	-0.491	-0.232	-0.601
σ		0.940	0.752	0.043	0.061	0.562	0.060	0.035	0.046	0.082	0.011
%RSD		16.370	10.800	95.750	35.730	9.368	170.200	11.910	9.366	35.470	1.879
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:17:35	-0.182	1.523	-0.076	0.000	0.000	-0.137	0.034	106.837%	-0.083	-0.061
2	18:18:40	-0.154	2.010	0.101	0.000	0.000	-0.217	-0.083	106.137%	-0.178	-0.148
3	18:19:45	-0.260	3.222	0.243	0.000	0.000	-0.197	-0.111	103.967%	-0.198	-0.148
x		-0.199	2.251	0.089	0.000	0.000	-0.184	-0.053	105.647%	-0.153	-0.119
σ		0.055	0.875	0.159	0.000	0.000	0.041	0.077	1.496%	0.061	0.050
%RSD		27.470	38.850	178.500	0.000	0.000	22.520	144.100	1.416	40.030	42.080
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:17:35	-0.014	106.709%	0.229	0.412	0.193	0.026	0.440	-0.001	-0.004	104.713%
2	18:18:40	-0.060	104.960%	-0.350	0.359	0.224	-0.071	0.412	-0.056	-0.041	102.870%
3	18:19:45	-0.088	102.617%	0.052	0.356	0.200	-0.045	0.398	-0.045	-0.037	101.498%
x		-0.054	104.762%	-0.023	0.376	0.206	-0.030	0.416	-0.034	-0.027	103.027%
σ		0.037	2.053%	0.297	0.031	0.016	0.051	0.021	0.029	0.021	1.613%
%RSD		68.370	1.960	1289.000	8.344	7.975	168.300	5.107	84.920	75.490	1.566
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:17:35	-0.058	0.696	0.614	0.137	103.196%	103.362%	0.137	0.373	0.127	0.106
2	18:18:40	-0.139	0.423	0.362	0.001	102.225%	101.503%	0.090	0.330	0.032	0.022
3	18:19:45	-0.148	0.327	0.306	-0.022	99.791%	100.377%	0.083	0.327	-0.002	0.006
x		-0.115	0.482	0.428	0.038	101.737%	101.747%	0.103	0.343	0.052	0.045
σ		0.050	0.191	0.164	0.086	1.754%	1.507%	0.029	0.025	0.067	0.054
%RSD		43.290	39.660	38.390	224.000	1.724	1.481	28.310	7.407	127.400	121.000
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	18:17:35	0.174	101.579%	0.000	0.000						
2	18:18:40	0.085	101.879%	0.000	0.000						
3	18:19:45	0.058	98.732%	0.000	0.000						
x		0.105	100.730%	0.000	0.000						
σ		0.061	1.737%	0.000	0.000						
%RSD		57.520	1.724	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:21:54	99.500%	-0.140	2.431	2.276	0.000	52.590	4.257	4.311	3.531	±0.000
2	18:22:59	101.927%	-0.124	1.807	2.272	0.000	49.030	3.991	4.467	3.291	±0.000
3	18:24:04	101.011%	-0.132	1.708	2.054	0.000	50.040	3.826	4.649	±6.144	±0.000
x		100.813%	-0.132	1.982	2.201	0.000	50.550	4.025	4.476	±4.322	±0.000
σ		1.225%	0.008	0.392	0.127	0.000	1.837	0.217	0.169	±1.583	±0.000
%RSD		1.215	6.296	19.760	5.778	0.000	3.633	5.397	3.776	±36.620	±0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:21:54	±21.970	-6.240	1.641	105.432%	-0.536	-0.467	0.189	-0.562	306.800	0.155
2	18:22:59	-3.079	-5.409	2.120	111.564%	-0.527	-0.267	0.178	-0.103	290.200	0.124
3	18:24:04	-2.219	-0.716	0.860	110.845%	-0.490	-0.326	0.155	0.175	293.100	0.125
x		±5.557	-4.122	1.540	109.281%	-0.518	-0.353	0.174	-0.163	296.700	0.134
σ		±14.220	2.979	0.636	3.352%	0.025	0.103	0.017	0.372	8.817	0.018
%RSD		±255.900	72.270	41.290	3.068	4.755	29.040	9.817	228.000	2.972	13.030
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:21:54	14.600	14.570	-0.094	-0.159	6.789	0.154	-0.198	0.061	0.161	-0.040
2	18:22:59	10.810	11.820	-0.088	-0.127	6.498	0.158	-0.204	0.035	0.409	-0.121
3	18:24:04	11.290	12.110	-0.089	-0.146	7.406	0.171	-0.200	0.037	0.261	0.039
x		12.240	12.830	-0.090	-0.144	6.898	0.161	-0.200	0.044	0.277	-0.041
σ		2.064	1.513	0.003	0.016	0.464	0.009	0.003	0.014	0.125	0.080
%RSD		16.870	11.790	3.330	11.140	6.723	5.340	1.570	31.850	45.090	195.000
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:21:54	-0.012	9.668	0.385	0.000	0.000	-0.238	-0.102	103.182%	-0.257	-0.216
2	18:22:59	-0.128	7.846	0.067	0.000	0.000	-0.167	-0.106	109.843%	-0.263	-0.218
3	18:24:04	-0.125	8.864	0.338	0.000	0.000	-0.197	-0.113	107.551%	-0.271	-0.225
x		-0.088	8.793	0.263	0.000	0.000	-0.200	-0.107	106.859%	-0.263	-0.220
σ		0.066	0.913	0.171	0.000	0.000	0.035	0.006	3.384%	0.007	0.005
%RSD		75.110	10.380	65.140	0.000	0.000	17.620	5.245	3.167	2.675	2.244
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:21:54	-0.145	102.446%	-0.133	0.355	0.219	0.056	0.393	-0.087	-0.063	101.385%
2	18:22:59	-0.140	108.077%	-0.256	0.350	0.220	-0.048	0.385	-0.091	-0.062	106.714%
3	18:24:04	-0.151	106.333%	-0.059	0.349	0.214	0.051	0.384	-0.079	-0.058	104.467%
x		-0.145	105.619%	-0.149	0.351	0.217	0.020	0.387	-0.086	-0.061	104.189%
σ		0.006	2.883%	0.100	0.004	0.003	0.059	0.005	0.006	0.003	2.676%
%RSD		3.973	2.729	66.780	1.009	1.445	294.100	1.351	6.975	4.424	2.568
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:21:54	-0.175	0.204	0.155	-0.021	99.951%	98.926%	0.034	0.268	-0.015	-0.018
2	18:22:59	-0.183	0.165	0.132	-0.051	105.059%	105.007%	0.025	0.265	-0.026	-0.021
3	18:24:04	-0.172	0.145	0.101	-0.069	103.515%	103.042%	0.022	0.263	-0.024	-0.021
x		-0.177	0.172	0.129	-0.047	102.841%	102.325%	0.027	0.265	-0.022	-0.020
σ		0.006	0.030	0.027	0.024	2.619%	3.103%	0.006	0.003	0.006	0.002
%RSD		3.306	17.460	21.030	51.370	2.547	3.032	23.630	0.961	28.620	9.360
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	18:21:54	0.039	98.868%	0.000	0.000						
2	18:22:59	0.035	104.001%	0.000	0.000						
3	18:24:04	0.034	101.844%	0.000	0.000						
x		0.036	101.571%	0.000	0.000						
σ		0.003	2.577%	0.000	0.000						
%RSD		7.314	2.537	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:26:11	98.562%	m 107.700	1.706	2.074	0.000	† 782.200	505.700	507.500	491.800	† 0.000
2	18:27:17	102.258%	m 101.000	1.199	1.666	0.000	† 739.600	474.500	468.300	458.300	† 0.000
3	18:28:22	103.138%	97.030	1.416	1.787	0.000	† 718.800	453.400	445.900	432.000	† 0.000
x		101.319%	m 101.900	1.441	1.842	0.000	† 746.800	477.900	473.900	460.700	† 0.000
σ		2.428%	m 5.381	0.255	0.210	0.000	† 32.310	26.300	31.160	29.960	† 0.000
%RSD		2.397	m 5.280	17.670	11.380	0.000	† 4.326	5.504	6.576	6.504	† 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:26:11	479.800	505.100	526.800	104.691%	-0.503	m 109.000	m 108.200	m 107.700	277.400	m 110.400
2	18:27:17	454.600	467.600	487.100	108.686%	-0.538	m 101.300	m 100.200	98.560	254.100	m 103.200
3	18:28:22	431.500	453.400	462.100	112.164%	-0.509	94.310	93.330	91.420	233.500	96.610
x		455.300	475.400	492.000	108.514%	-0.517	m 101.500	m 100.600	m 99.220	255.000	m 103.400
σ		24.160	26.710	32.620	3.740%	0.019	m 7.345	m 7.435	m 8.154	21.950	m 6.920
%RSD		5.306	5.618	6.630	3.446	3.609	m 7.235	m 7.392	m 8.218	8.607	m 6.691
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:26:11	† 558.800	546.700	m 108.200	m 107.800	m 113.400	m 107.600	m 107.600	m 107.700	m 106.400	m 107.300
2	18:27:17	† 519.700	510.100	m 101.600	m 101.200	m 108.500	m 101.500	m 100.900	m 100.400	98.780	m 100.600
3	18:28:22	† 482.200	467.500	93.980	93.540	98.680	93.520	93.870	92.680	92.950	93.560
x		† 520.300	508.100	m 101.300	m 100.900	m 106.900	m 100.900	m 100.800	m 100.300	m 99.370	m 100.500
σ		† 38.320	39.670	m 7.131	m 7.150	m 7.488	m 7.048	m 6.877	m 7.505	m 6.735	m 6.869
%RSD		† 7.365	7.807	m 7.043	m 7.089	m 7.008	m 6.988	m 6.822	m 7.486	m 6.777	m 6.836
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:26:11	m 110.400	m 224.200	m 213.100	0.000	0.000	m 212.200	0.173	104.587%	-0.253	-0.208
2	18:27:17	m 102.700	m 211.800	m 202.300	0.000	0.000	m 199.000	0.137	107.896%	-0.256	-0.221
3	18:28:22	96.360	m 196.500	m 189.000	0.000	0.000	m 187.500	0.122	112.070%	-0.263	-0.207
x		m 103.200	m 210.800	m 201.400	0.000	0.000	m 199.600	0.144	108.185%	-0.257	-0.212
σ		m 7.026	m 13.860	m 12.080	0.000	0.000	m 12.380	0.026	3.750%	0.005	0.008
%RSD		m 6.811	m 6.575	m 5.995	0.000	0.000	m 6.204	18.210	3.466	2.009	3.816
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:26:11	-0.145	102.334%	m 103.600	m 104.700	0.847	m 106.300	m 103.900	m 106.900	m 105.800	103.241%
2	18:27:17	-0.145	106.913%	m 101.300	98.910	0.294	96.310	98.350	99.980	99.390	106.618%
3	18:28:22	-0.149	110.201%	92.350	92.830	0.543	91.530	92.870	92.620	93.200	109.832%
x		-0.146	106.483%	m 99.080	m 98.810	0.561	m 98.040	m 98.370	m 99.840	m 99.470	106.564%
σ		0.003	3.952%	m 5.938	m 5.930	0.277	m 7.528	m 5.506	m 7.146	m 6.302	3.296%
%RSD		1.898	3.711	m 5.993	m 6.002	49.370	m 7.678	m 5.597	m 7.158	m 6.336	3.093
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:26:11	-0.184	m 110.000	m 110.000	m 107.300	101.972%	102.468%	m 107.400	m 107.800	m 108.100	m 107.800
2	18:27:17	-0.183	m 102.500	m 102.700	m 101.900	106.305%	105.919%	m 101.800	m 101.300	m 101.500	m 101.100
3	18:28:22	-0.188	96.410	96.130	95.090	109.435%	109.136%	96.600	97.260	95.360	95.050
x		-0.185	m 103.000	m 102.900	m 101.400	105.904%	105.841%	m 101.900	m 102.100	m 101.700	m 101.300
σ		0.003	m 6.801	m 6.934	m 6.115	3.748%	3.335%	m 5.410	m 5.323	m 6.390	m 6.356
%RSD		1.545	m 6.605	m 6.736	m 6.030	3.539	3.151	m 5.307	m 5.212	m 6.286	m 6.274
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	18:26:11	m 108.100	100.293%	0.000	0.000						
2	18:27:17	m 101.700	104.731%	0.000	0.000						
3	18:28:22	95.650	106.907%	0.000	0.000						
x		m 101.800	103.977%	0.000	0.000						
σ		m 6.237	3.371%	0.000	0.000						
%RSD		m 6.125	3.242	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:30:29	87.093%	M 120.300	M 281.300	M 290.600	0.000	TM 427100.000	TM 51240.000	TM 50990.000	569.400	± 0.000
2	18:31:35	92.164%	M 113.100	M 261.500	M 275.600	0.000	TM 407900.000	TM 48400.000	TM 48100.000	534.300	± 0.000
3	18:32:40	93.676%	M 109.000	M 275.400	M 277.400	0.000	TM 404600.000	TM 47650.000	TM 47490.000	524.800	± 0.000
X		90.978%	M 114.100	M 272.700	M 281.200	0.000	TM 413200.000	TM 49100.000	TM 48860.000	542.800	± 0.000
σ		3.448%	M 5.689	M 10.150	M 8.183	0.000	TM 12180.000	TM 1893.000	TM 1869.000	23.500	± 0.000
%RSD		3.790	M 4.985	M 3.721	M 2.910	0.000	TM 2.948	TM 3.857	TM 3.826	4.329	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:30:29	TM 8778.000	M 46810.000	TM 52420.000	0.000	5.620	M 125.900	M 121.300	M 121.500	178.000	TM 1745.000
2	18:31:35	TM 8434.000	M 44310.000	TM 49800.000	0.000	5.023	M 116.800	M 113.000	M 113.700	188.900	TM 1651.000
3	18:32:40	TM 8370.000	M 43360.000	TM 48750.000	0.000	5.335	M 115.400	M 110.200	M 110.800	186.400	TM 1608.000
X		TM 8527.000	M 44830.000	TM 50320.000	0.000	5.326	M 119.400	M 114.800	M 115.300	184.400	TM 1668.000
σ		TM 219.200	M 1782.000	TM 1889.000	0.000	0.299	M 5.713	M 5.797	M 5.554	5.735	TM 69.910
%RSD		TM 2.570	M 3.975	TM 3.754	0.000	5.610	M 4.786	M 5.048	M 4.815	3.109	TM 4.191
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:30:29	TM 34870.000	TM 37950.000	M 115.500	M 110.600	M 139.300	M 112.800	M 107.500	M 108.300	M 126.200	M 122.200
2	18:31:35	TM 32970.000	TM 35660.000	M 109.200	M 105.400	M 131.200	M 105.800	M 102.200	M 102.600	M 119.300	M 115.500
3	18:32:40	TM 32160.000	TM 34670.000	M 107.000	M 101.900	M 127.800	M 103.100	99.290	99.260	M 115.800	M 112.800
X		TM 33340.000	TM 36100.000	M 110.500	M 106.000	M 132.800	M 107.300	M 103.000	M 103.400	M 120.400	M 116.800
σ		TM 1389.000	TM 1685.000	M 4.434	M 4.357	M 5.869	M 4.970	M 4.142	M 4.549	M 5.301	M 4.827
%RSD		TM 4.166	TM 4.668	M 4.011	M 4.111	M 4.420	M 4.634	M 4.022	M 4.400	M 4.402	M 4.133
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:30:29	M 115.300	M 216.700	M 206.300	0.000	0.000	M 202.900	TM 577.400	105.137%	-0.159	-0.143
2	18:31:35	M 108.800	M 203.800	M 194.400	0.000	0.000	M 191.300	TM 539.900	112.934%	-0.168	-0.128
3	18:32:40	M 105.100	M 200.200	M 189.100	0.000	0.000	M 185.200	TM 521.100	117.516%	-0.175	-0.127
X		M 109.700	M 206.900	M 196.600	0.000	0.000	M 193.100	TM 546.100	111.862%	-0.167	-0.133
σ		M 5.164	M 8.721	M 8.814	0.000	0.000	M 8.988	TM 28.640	6.259%	0.008	0.009
%RSD		M 4.708	M 4.215	M 4.483	0.000	0.000	M 4.655	TM 5.245	5.595	4.767	6.883
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:30:29	-0.045	94.654%	M 107.000	M 103.600	0.544	M 104.900	M 103.400	M 107.800	M 107.100	96.726%
2	18:31:35	-0.071	101.078%	96.460	98.940	0.691	97.260	98.150	M 100.500	M 100.600	102.600%
3	18:32:40	-0.079	104.704%	95.730	95.870	0.674	96.370	95.640	96.980	97.330	106.034%
X		-0.065	100.146%	M 99.750	M 99.470	0.636	M 99.520	M 99.080	M 101.800	M 101.700	101.787%
σ		0.018	5.090%	M 6.334	M 3.883	0.080	M 4.711	M 3.981	M 5.545	M 4.956	4.707%
%RSD		27.340	5.082	M 6.350	M 3.903	12.640	M 4.734	M 4.018	M 5.449	M 4.874	4.624
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:30:29	-0.156	M 117.100	M 117.300	TM 839.800	99.964%	100.418%	M 111.400	M 112.900	M 113.600	M 113.300
2	18:31:35	-0.166	M 110.000	M 109.500	TM 785.000	105.596%	105.492%	M 106.000	M 107.100	M 107.100	M 107.500
3	18:32:40	-0.170	M 105.900	M 106.300	TM 760.800	109.111%	109.646%	M 103.700	M 104.500	M 104.800	M 105.100
X		-0.164	M 111.000	M 111.000	TM 795.200	104.890%	105.185%	M 107.000	M 108.200	M 108.500	M 108.600
σ		0.007	M 5.630	M 5.647	TM 40.440	4.614%	4.622%	M 3.946	M 4.319	M 4.547	M 4.251
%RSD		4.412	M 5.071	M 5.087	TM 5.086	4.399	4.394	M 3.686	M 3.993	M 4.191	M 3.914
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	18:30:29	M 113.800	90.205%	0.000	0.000						
2	18:31:35	M 108.000	94.304%	0.000	0.000						
3	18:32:40	M 105.300	96.190%	0.000	0.000						
X		M 109.000	93.566%	0.000	0.000						
σ		M 4.339	3.060%	0.000	0.000						
%RSD		M 3.980	3.271	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:34:47	93.122%	M 111.800	M 268.800	M 279.700	0.000	TM 404100.000	TM 48030.000	TM 47800.000	538.800	± 0.000
2	18:35:53	95.618%	M 110.800	M 266.500	M 276.600	0.000	TM 402000.000	TM 47710.000	TM 47470.000	534.600	± 0.000
3	18:36:58	93.888%	M 114.900	M 278.600	M 284.300	0.000	TM 414100.000	TM 49570.000	TM 49190.000	558.300	± 0.000
X		94.209%	M 112.500	M 271.300	M 280.200	0.000	TM 406700.000	TM 48440.000	TM 48150.000	543.900	± 0.000
σ		1.279%	M 2.142	M 6.412	M 3.904	0.000	TM 6448.000	TM 992.900	TM 909.500	12.600	± 0.000
%RSD		1.357	M 1.904	M 2.363	M 1.393	0.000	TM 1.585	TM 2.050	TM 1.889	2.317	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:34:47	TM 8410.000	M 44290.000	TM 49530.000	0.000	5.479	M 118.400	M 113.100	M 113.900	188.600	TM 1642.000
2	18:35:53	TM 8401.000	M 43840.000	TM 49100.000	0.000	5.189	M 117.000	M 112.300	M 113.300	189.100	TM 1619.000
3	18:36:58	TM 8565.000	M 45810.000	TM 51160.000	0.000	5.097	M 122.600	M 118.200	M 120.700	190.400	TM 1702.000
X		TM 8459.000	M 44650.000	TM 49930.000	0.000	5.255	M 119.300	M 114.500	M 115.900	189.400	TM 1654.000
σ		TM 92.420	M 1033.000	TM 1087.000	0.000	0.199	M 2.889	M 3.190	M 4.094	0.929	TM 42.440
%RSD		TM 1.093	M 2.315	TM 2.177	0.000	3.792	M 2.420	M 2.786	M 3.531	0.491	TM 2.565
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:34:47	TM 32680.000	TM 35530.000	M 109.400	M 104.800	M 129.000	M 105.800	M 101.700	M 101.200	M 119.200	M 114.700
2	18:35:53	TM 32310.000	TM 35090.000	M 108.400	M 104.700	M 127.500	M 105.400	M 101.400	M 101.500	M 117.800	M 114.400
3	18:36:58	TM 34050.000	TM 36790.000	M 113.300	M 108.700	M 132.600	M 109.800	M 104.500	M 104.400	M 125.000	M 118.600
X		TM 33010.000	TM 35800.000	M 110.400	M 106.100	M 129.700	M 107.000	M 102.500	M 102.400	M 120.600	M 115.900
σ		TM 918.100	TM 883.900	M 2.570	M 2.296	M 2.633	M 2.417	M 1.708	M 1.770	M 3.807	M 2.320
%RSD		TM 2.781	TM 2.469	M 2.329	M 2.165	M 2.030	M 2.259	M 1.667	M 1.729	M 3.156	M 2.001
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:34:47	M 108.600	M 205.500	M 193.200	0.000	0.000	M 190.600	TM 533.400	115.010%	-0.179	-0.112
2	18:35:53	M 108.000	M 202.100	M 191.400	0.000	0.000	M 188.800	TM 528.400	117.254%	-0.184	-0.140
3	18:36:58	M 112.100	M 210.000	M 199.200	0.000	0.000	M 194.300	TM 550.000	116.050%	-0.183	-0.139
X		M 109.600	M 205.900	M 194.600	0.000	0.000	M 191.200	TM 537.300	116.105%	-0.182	-0.130
σ		M 2.196	M 3.943	M 4.085	0.000	0.000	M 2.795	TM 11.310	1.123%	0.003	0.016
%RSD		M 2.004	M 1.916	M 2.099	0.000	0.000	M 1.461	TM 2.105	0.967	1.621	11.990
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:34:47	-0.083	102.735%	M 100.400	97.620	0.390	96.490	97.420	99.480	99.240	104.992%
2	18:35:53	-0.071	104.264%	99.680	97.650	0.513	97.550	96.830	98.370	98.470	106.858%
3	18:36:58	-0.063	103.120%	M 100.300	M 100.500	0.918	M 104.200	99.640	M 101.600	M 101.900	104.160%
X		-0.073	103.373%	M 100.100	M 98.590	0.607	M 99.430	97.960	M 99.820	M 99.860	105.337%
σ		0.010	0.795%	M 0.402	M 1.645	0.276	M 4.201	1.477	M 1.650	M 1.787	1.382%
%RSD		13.840	0.769	M 0.402	M 1.668	45.530	M 4.225	1.508	M 1.653	M 1.790	1.312
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:34:47	-0.183	M 107.900	M 107.600	TM 768.200	107.283%	106.874%	M 104.900	M 104.800	M 105.000	M 105.800
2	18:35:53	-0.172	M 106.600	M 106.500	TM 760.500	109.475%	109.204%	M 104.200	M 104.800	M 104.800	M 103.900
3	18:36:58	-0.165	M 112.700	M 111.700	TM 797.100	105.838%	106.085%	M 108.400	M 109.900	M 109.000	M 109.200
X		-0.173	M 109.100	M 108.600	TM 775.300	107.532%	107.388%	M 105.900	M 106.500	M 106.300	M 106.300
σ		0.009	M 3.239	M 2.739	TM 19.280	1.831%	1.621%	M 2.272	M 2.920	M 2.375	M 2.678
%RSD		5.369	M 2.969	M 2.523	TM 2.487	1.703	1.510	M 2.147	M 2.741	M 2.234	M 2.519
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	18:34:47	M 105.900	95.573%	0.000	0.000						
2	18:35:53	M 105.000	97.147%	0.000	0.000						
3	18:36:58	M 109.700	94.320%	0.000	0.000						
X		M 106.900	95.680%	0.000	0.000						
σ		M 2.501	1.416%	0.000	0.000						
%RSD		M 2.340	1.480	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:39:05	93.450%	0.145	M 284.900	M 292.000	0.000	TM 420600.000	TM 49410.000	TM 49240.000	7.307	± 0.000
2	18:40:10	95.068%	0.053	M 283.400	M 290.800	0.000	TM 423200.000	TM 50050.000	TM 49680.000	6.337	± 0.000
3	18:41:15	95.475%	0.020	M 278.200	M 291.000	0.000	TM 418900.000	TM 49290.000	TM 49250.000	5.674	± 0.000
x		94.664%	0.072	M 282.200	M 291.300	0.000	TM 420900.000	TM 49580.000	TM 49390.000	6.439	± 0.000
σ		1.072%	0.065	M 3.551	M 0.650	0.000	TM 2135.000	TM 404.000	TM 254.500	0.821	± 0.000
%RSD		1.132	89.360	M 1.259	M 0.223	0.000	TM 0.507	TM 0.815	TM 0.515	12.750	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:39:05	TM 8136.000	M 44720.000	TM 50780.000	0.000	5.275	0.610	1.337	1.362	192.200	TM 1583.000
2	18:40:10	TM 8233.000	M 45520.000	TM 51790.000	0.000	5.115	0.757	1.164	2.016	191.100	TM 1610.000
3	18:41:15	TM 8222.000	M 45040.000	TM 51000.000	0.000	5.285	0.550	1.093	1.688	195.700	TM 1586.000
x		TM 8197.000	M 45090.000	TM 51190.000	0.000	5.225	0.639	1.198	1.689	193.000	TM 1593.000
σ		TM 52.960	M 406.600	TM 531.800	0.000	0.095	0.106	0.126	0.327	2.416	TM 15.020
%RSD		TM 0.646	M 0.902	TM 1.039	0.000	1.822	16.650	10.470	19.370	1.252	TM 0.943
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:39:05	TM 33500.000	TM 36380.000	2.095	1.007	21.780	4.084	0.914	0.584	20.860	15.540
2	18:40:10	TM 34320.000	TM 37040.000	1.934	0.855	21.300	4.033	0.802	0.426	20.150	15.340
3	18:41:15	TM 33690.000	TM 36450.000	1.851	0.837	20.780	3.963	0.777	0.441	21.250	15.290
x		TM 33830.000	TM 36630.000	1.960	0.900	21.290	4.027	0.831	0.484	20.750	15.390
σ		TM 429.300	TM 362.800	0.124	0.093	0.496	0.060	0.073	0.087	0.557	0.135
%RSD		TM 1.269	TM 0.991	6.325	10.390	2.332	1.501	8.784	18.060	2.684	0.875
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:39:05	1.264	8.191	1.517	0.000	0.000	1.626	TM 554.800	115.258%	-0.175	-0.126
2	18:40:10	1.236	7.990	1.319	0.000	0.000	1.215	TM 568.900	116.099%	-0.201	-0.138
3	18:41:15	1.044	8.570	1.312	0.000	0.000	1.255	TM 549.800	118.152%	-0.178	-0.159
x		1.181	8.250	1.383	0.000	0.000	1.365	TM 557.900	116.503%	-0.185	-0.141
σ		0.120	0.295	0.117	0.000	0.000	0.227	TM 9.916	1.489%	0.014	0.016
%RSD		10.120	3.574	8.437	0.000	0.000	16.610	TM 1.777	1.278	7.753	11.540
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:39:05	-0.073	102.718%	-3.040	0.519	0.413	0.154	0.562	-0.100	0.009	104.805%
2	18:40:10	-0.065	102.452%	-2.360	0.384	0.372	0.182	0.419	-0.180	-0.103	102.520%
3	18:41:15	-0.090	105.580%	-3.025	0.361	0.402	0.002	0.398	-0.236	-0.154	106.247%
x		-0.076	103.583%	-2.808	0.421	0.396	0.113	0.460	-0.172	-0.083	104.524%
σ		0.012	1.734%	0.388	0.085	0.021	0.097	0.089	0.068	0.083	1.879%
%RSD		16.410	1.674	13.820	20.290	5.373	86.030	19.390	39.690	101.000	1.798
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:39:05	-0.212	0.291	0.209	M 650.300	105.856%	106.469%	0.536	0.763	0.192	0.203
2	18:40:10	-0.206	0.134	0.073	TM 709.900	105.840%	105.330%	0.348	0.593	0.030	0.045
3	18:41:15	-0.202	0.072	0.037	TM 685.700	108.373%	108.871%	0.371	0.595	0.009	-0.001
x		-0.206	0.166	0.106	TM 682.000	106.690%	106.890%	0.418	0.650	0.077	0.082
σ		0.005	0.113	0.091	TM 29.990	1.458%	1.808%	0.103	0.098	0.101	0.107
%RSD		2.427	67.940	85.260	TM 4.398	1.366	1.691	24.540	15.040	130.400	130.700
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	18:39:05	0.249	94.327%	0.000	0.000						
2	18:40:10	0.091	94.302%	0.000	0.000						
3	18:41:15	0.062	95.613%	0.000	0.000						
x		0.134	94.747%	0.000	0.000						
σ		0.101	0.749%	0.000	0.000						
%RSD		74.880	0.791	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:43:23	94.878%	-0.020	M 279.700	M 284.300	0.000	TM 414600.000	TM 48310.000	TM 48250.000	5.287	± 0.000
2	18:44:29	95.087%	-0.039	M 280.900	M 293.900	0.000	TM 421100.000	TM 49380.000	TM 48920.000	5.162	± 0.000
3	18:45:34	96.549%	-0.063	M 283.600	M 291.300	0.000	TM 422900.000	TM 49860.000	TM 49600.000	5.180	± 0.000
X		95.504%	-0.041	M 281.400	M 289.800	0.000	TM 419500.000	TM 49180.000	TM 48920.000	5.209	± 0.000
σ		0.911%	0.022	M 1.964	M 4.952	0.000	TM 4332.000	TM 795.200	TM 675.300	0.068	± 0.000
%RSD		0.954	52.690	M 0.698	M 1.709	0.000	TM 1.032	TM 1.617	TM 1.380	1.299	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:43:23	TM 8122.000	M 44750.000	TM 50380.000	0.000	5.162	0.778	1.063	1.405	197.300	TM 1555.000
2	18:44:29	TM 8224.000	M 44910.000	TM 50940.000	0.000	4.900	0.655	1.087	1.830	203.400	TM 1581.000
3	18:45:34	TM 8280.000	M 46030.000	TM 51820.000	0.000	5.313	0.463	1.108	0.638	208.200	TM 1604.000
X		TM 8209.000	M 45230.000	TM 51040.000	0.000	5.125	0.632	1.086	1.291	203.000	TM 1580.000
σ		TM 80.190	M 697.000	TM 722.900	0.000	0.209	0.159	0.023	0.604	5.433	TM 24.250
%RSD		TM 0.977	M 1.541	TM 1.416	0.000	4.079	25.100	2.074	46.780	2.677	TM 1.535
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:43:23	TM 32840.000	TM 35620.000	1.728	0.876	17.550	2.992	0.043	0.408	19.640	14.740
2	18:44:29	TM 33480.000	TM 36060.000	1.723	0.776	17.880	3.177	0.061	0.562	21.500	15.020
3	18:45:34	TM 34020.000	TM 36840.000	1.759	0.876	16.780	3.104	0.062	0.547	21.120	15.630
X		TM 33450.000	TM 36170.000	1.737	0.843	17.410	3.091	0.055	0.506	20.750	15.130
σ		TM 589.900	TM 620.800	0.020	0.057	0.564	0.093	0.011	0.085	0.982	0.458
%RSD		TM 1.764	TM 1.716	1.142	6.812	3.238	3.011	19.740	16.850	4.732	3.029
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:43:23	0.922	9.019	1.176	0.000	0.000	1.180	TM 543.300	118.142%	-0.174	-0.152
2	18:44:29	1.056	9.775	1.117	0.000	0.000	1.229	TM 550.500	118.537%	-0.160	-0.139
3	18:45:34	0.985	10.550	1.169	0.000	0.000	1.075	TM 561.800	117.837%	-0.190	-0.132
X		0.987	9.780	1.154	0.000	0.000	1.161	TM 551.900	118.172%	-0.175	-0.141
σ		0.067	0.764	0.033	0.000	0.000	0.079	TM 9.301	0.351%	0.015	0.010
%RSD		6.810	7.815	2.823	0.000	0.000	6.766	TM 1.685	0.297	8.846	7.221
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:43:23	-0.071	104.347%	-2.742	0.347	0.379	-0.047	0.390	-0.229	-0.150	106.772%
2	18:44:29	-0.078	104.300%	-3.355	0.340	0.436	0.199	0.380	-0.276	-0.186	106.758%
3	18:45:34	-0.080	103.815%	-2.001	0.344	0.336	0.003	0.377	-0.184	-0.123	104.845%
X		-0.076	104.154%	-2.699	0.344	0.384	0.052	0.382	-0.230	-0.153	106.125%
σ		0.005	0.295%	0.678	0.003	0.050	0.130	0.007	0.046	0.032	1.108%
%RSD		6.320	0.283	25.110	0.944	13.130	250.200	1.802	19.950	20.740	1.045
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:43:23	-0.195	0.025	-0.029	M 631.600	108.002%	108.513%	0.102	0.342	-0.007	-0.019
2	18:44:29	-0.195	0.002	-0.049	M 643.600	108.123%	108.307%	0.094	0.327	-0.016	-0.014
3	18:45:34	-0.196	0.033	-0.027	M 658.800	106.905%	106.752%	0.072	0.322	-0.026	-0.019
X		-0.195	0.020	-0.035	M 644.700	107.677%	107.857%	0.089	0.330	-0.016	-0.017
σ		0.000	0.016	0.012	M 13.600	0.671%	0.963%	0.016	0.010	0.009	0.003
%RSD		0.148	82.380	34.760	M 2.110	0.623	0.892	17.700	3.133	56.070	16.960
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	18:43:23	0.046	95.631%	0.000	0.000						
2	18:44:29	0.043	95.534%	0.000	0.000						
3	18:45:34	0.037	94.366%	0.000	0.000						
X		0.042	95.177%	0.000	0.000						
σ		0.004	0.704%	0.000	0.000						
%RSD		10.180	0.740	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:47:41	98.490%	-0.065	M 259.300	M 262.200	0.000	TM 382100.000	TM 44090.000	TM 44020.000	4.577	± 0.000
2	18:48:47	97.217%	-0.019	M 266.300	M 278.600	0.000	TM 403500.000	TM 47190.000	TM 46760.000	4.841	± 0.000
3	18:49:52	95.438%	-0.035	M 274.300	M 284.900	0.000	TM 412000.000	TM 48200.000	TM 47660.000	4.998	± 0.000
X		97.048%	-0.040	M 266.600	M 275.200	0.000	TM 399200.000	TM 46490.000	TM 46150.000	4.806	± 0.000
σ		1.533%	0.023	M 7.480	M 11.700	0.000	TM 15420.000	TM 2142.000	TM 1901.000	0.213	± 0.000
%RSD		1.579	59.020	M 2.805	M 4.250	0.000	TM 3.863	TM 4.606	TM 4.120	4.433	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:47:41	TM 7544.000	M 41190.000	TM 46400.000	0.000	4.813	0.624	1.182	2.752	209.100	TM 1433.000
2	18:48:47	TM 7987.000	M 43680.000	TM 49630.000	0.000	5.471	0.245	1.262	0.918	225.300	TM 1540.000
3	18:49:52	TM 8041.000	M 44560.000	TM 50280.000	0.000	5.221	0.374	1.305	2.121	225.500	TM 1558.000
X		TM 7857.000	M 43150.000	TM 48770.000	0.000	5.168	0.414	1.249	1.930	220.000	TM 1510.000
σ		TM 272.500	M 1748.000	TM 2082.000	0.000	0.332	0.193	0.062	0.931	9.449	TM 67.600
%RSD		TM 3.468	M 4.052	TM 4.268	0.000	6.422	46.570	5.000	48.250	4.295	TM 4.476
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:47:41	TM 30290.000	TM 32760.000	1.484	1.007	15.050	2.863	0.210	0.733	19.600	13.900
2	18:48:47	TM 32470.000	TM 35060.000	1.686	0.940	14.850	3.041	0.272	0.749	19.990	14.630
3	18:49:52	TM 33080.000	TM 35770.000	1.669	0.962	14.880	3.105	0.301	0.686	20.310	15.220
X		TM 31950.000	TM 34530.000	1.613	0.970	14.930	3.003	0.261	0.723	19.960	14.580
σ		TM 1465.000	TM 1575.000	0.112	0.034	0.105	0.125	0.047	0.033	0.355	0.658
%RSD		TM 4.585	TM 4.562	6.938	3.552	0.704	4.177	17.890	4.596	1.776	4.511
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:47:41	0.935	9.442	0.905	0.000	0.000	0.994	TM 502.200	121.652%	-0.168	-0.116
2	18:48:47	0.899	11.540	1.073	0.000	0.000	1.193	TM 534.300	118.386%	-0.158	-0.122
3	18:49:52	0.943	12.100	1.298	0.000	0.000	1.241	TM 540.300	118.757%	-0.147	-0.111
X		0.926	11.030	1.092	0.000	0.000	1.143	TM 525.600	119.598%	-0.158	-0.116
σ		0.023	1.402	0.197	0.000	0.000	0.131	TM 20.500	1.788%	0.010	0.006
%RSD		2.504	12.710	18.050	0.000	0.000	11.430	TM 3.900	1.495	6.642	4.791
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:47:41	-0.069	107.999%	-2.576	0.350	0.369	-0.048	0.375	-0.225	-0.147	110.126%
2	18:48:47	-0.066	105.176%	-2.236	0.346	0.350	0.002	0.382	-0.207	-0.136	107.566%
3	18:49:52	-0.059	105.587%	-3.115	0.326	0.404	-0.047	0.378	-0.252	-0.174	106.707%
X		-0.065	106.254%	-2.642	0.341	0.374	-0.031	0.378	-0.228	-0.152	108.133%
σ		0.005	1.525%	0.443	0.013	0.028	0.029	0.003	0.023	0.019	1.779%
%RSD		7.352	1.436	16.770	3.766	7.371	91.140	0.883	10.060	12.770	1.645
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:47:41	-0.205	-0.011	-0.063	M 583.700	111.181%	111.437%	0.056	0.297	-0.024	-0.025
2	18:48:47	-0.205	-0.020	-0.055	TM 659.200	108.924%	109.048%	0.054	0.293	-0.024	-0.019
3	18:49:52	-0.200	-0.016	-0.055	TM 664.400	107.943%	107.689%	0.054	0.288	-0.026	-0.022
X		-0.203	-0.016	-0.057	TM 635.800	109.349%	109.391%	0.055	0.293	-0.024	-0.022
σ		0.003	0.005	0.005	TM 45.150	1.661%	1.897%	0.001	0.005	0.001	0.003
%RSD		1.588	28.450	7.865	TM 7.102	1.519	1.735	2.272	1.665	4.283	13.250
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	18:47:41	0.037	97.904%	0.000	0.000						
2	18:48:47	0.037	95.180%	0.000	0.000						
3	18:49:52	0.036	95.184%	0.000	0.000						
X		0.036	96.089%	0.000	0.000						
σ		0.001	1.571%	0.000	0.000						
%RSD		1.548	1.635	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:52:00	97.634%	-0.042	<u>M 275.000</u>	<u>M 283.700</u>	0.000	<u>TM 413600.000</u>	<u>TM 48100.000</u>	<u>TM 47750.000</u>	4.923	<u>T 0.000</u>
2	18:53:05	95.428%	-0.048	<u>M 287.200</u>	<u>M 298.000</u>	0.000	<u>TM 427000.000</u>	<u>TM 50260.000</u>	<u>TM 49870.000</u>	4.937	<u>T 0.000</u>
3	18:54:10	96.710%	-0.063	<u>M 283.500</u>	<u>M 293.200</u>	0.000	<u>TM 422500.000</u>	<u>TM 50090.000</u>	<u>TM 49400.000</u>	4.906	<u>T 0.000</u>
X		96.590%	-0.051	<u>M 281.900</u>	<u>M 291.600</u>	0.000	<u>TM 421000.000</u>	<u>TM 49480.000</u>	<u>TM 49010.000</u>	4.922	<u>T 0.000</u>
σ		1.108%	0.011	<u>M 6.214</u>	<u>M 7.274</u>	0.000	<u>TM 6826.000</u>	<u>TM 1200.000</u>	<u>TM 1111.000</u>	0.015	<u>T 0.000</u>
%RSD		1.147	21.420	<u>M 2.205</u>	<u>M 2.494</u>	0.000	<u>TM 1.621</u>	<u>TM 2.425</u>	<u>TM 2.267</u>	0.313	<u>T 0.000</u>
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:52:00	<u>TM 8082.000</u>	<u>M 44800.000</u>	<u>TM 50840.000</u>	0.000	4.987	0.288	1.125	1.156	230.900	<u>TM 1585.000</u>
2	18:53:05	<u>TM 8392.000</u>	<u>M 46790.000</u>	<u>TM 52700.000</u>	0.000	5.036	0.368	1.213	1.153	241.700	<u>TM 1634.000</u>
3	18:54:10	<u>TM 8321.000</u>	<u>M 46370.000</u>	<u>TM 52330.000</u>	0.000	5.579	0.405	1.227	1.288	241.500	<u>TM 1629.000</u>
X		<u>TM 8265.000</u>	<u>M 45990.000</u>	<u>TM 51960.000</u>	0.000	5.201	0.353	1.188	1.199	238.000	<u>TM 1616.000</u>
σ		<u>TM 162.500</u>	<u>M 1046.000</u>	<u>TM 985.500</u>	0.000	0.329	0.060	0.056	0.077	6.148	<u>TM 27.120</u>
%RSD		<u>TM 1.966</u>	<u>M 2.275</u>	<u>TM 1.897</u>	0.000	6.316	16.910	4.681	6.427	2.583	<u>TM 1.678</u>
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:52:00	<u>TM 33560.000</u>	<u>TM 36190.000</u>	1.681	1.051	13.120	2.792	0.076	0.672	20.110	15.280
2	18:53:05	<u>TM 34750.000</u>	<u>TM 37260.000</u>	1.814	0.962	14.940	2.899	0.048	0.673	21.280	15.710
3	18:54:10	<u>TM 34790.000</u>	<u>TM 37230.000</u>	1.814	0.947	14.210	2.831	0.115	0.768	21.200	15.510
X		<u>TM 34370.000</u>	<u>TM 36890.000</u>	1.770	0.987	14.090	2.841	0.080	0.704	20.860	15.500
σ		<u>TM 698.300</u>	<u>TM 610.600</u>	0.077	0.056	0.918	0.054	0.034	0.055	0.650	0.214
%RSD		<u>TM 2.032</u>	<u>TM 1.655</u>	4.352	5.699	6.514	1.910	42.460	7.841	3.116	1.379
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:52:00	0.998	13.190	1.313	0.000	0.000	1.206	<u>TM 550.700</u>	119.405%	-0.189	-0.144
2	18:53:05	1.063	14.040	1.343	0.000	0.000	1.249	<u>TM 563.400</u>	118.627%	-0.195	-0.123
3	18:54:10	1.293	13.140	1.421	0.000	0.000	1.165	<u>TM 563.700</u>	119.218%	-0.175	-0.157
X		1.118	13.450	1.359	0.000	0.000	1.207	<u>TM 559.200</u>	119.083%	-0.186	-0.141
σ		0.155	0.506	0.056	0.000	0.000	0.042	<u>TM 7.428</u>	0.406%	0.010	0.017
%RSD		13.880	3.761	4.121	0.000	0.000	3.480	<u>TM 1.328</u>	0.341	5.400	12.060
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:52:00	-0.067	106.242%	-2.173	0.338	0.347	0.001	0.380	-0.200	-0.135	107.285%
2	18:53:05	-0.084	104.432%	-2.572	0.338	0.375	0.051	0.375	-0.225	-0.149	107.170%
3	18:54:10	-0.084	105.545%	-2.068	0.334	0.345	0.075	0.377	-0.198	-0.134	106.789%
X		-0.078	105.406%	-2.271	0.337	0.355	0.042	0.377	-0.208	-0.140	107.081%
σ		0.009	0.913%	0.266	0.003	0.017	0.038	0.002	0.015	0.009	0.259%
%RSD		12.110	0.866	11.710	0.783	4.766	88.750	0.655	7.290	6.175	0.242
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:52:00	-0.204	-0.022	-0.053	<u>TM 678.600</u>	108.721%	108.314%	0.035	0.277	-0.029	-0.021
2	18:53:05	-0.206	-0.008	-0.066	<u>TM 693.400</u>	107.608%	108.412%	0.035	0.276	-0.024	-0.015
3	18:54:10	-0.200	-0.008	-0.064	<u>TM 690.100</u>	108.257%	108.400%	0.028	0.271	-0.026	-0.026
X		-0.203	-0.013	-0.061	<u>TM 687.300</u>	108.195%	108.375%	0.033	0.275	-0.027	-0.021
σ		0.003	0.008	0.007	<u>TM 7.785</u>	0.559%	0.054%	0.004	0.003	0.003	0.006
%RSD		1.321	64.270	11.410	<u>TM 1.133</u>	0.517	0.049	11.580	1.175	10.010	28.360
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	18:52:00	0.034	94.023%	0.000	0.000						
2	18:53:05	0.036	94.261%	0.000	0.000						
3	18:54:10	0.034	94.802%	0.000	0.000						
X		0.035	94.362%	0.000	0.000						
σ		0.002	0.399%	0.000	0.000						
%RSD		4.388	0.423	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:56:17	91.968%	-0.092	M 273.800	M 284.400	0.000	TM 731200.000	TM 85150.000	TM 84490.000	5.192	± 0.000
2	18:57:23	91.497%	-0.053	M 280.600	M 291.800	0.000	TM 743100.000	TM 87100.000	TM 86330.000	5.375	± 0.000
3	18:58:28	91.717%	-0.058	M 283.800	M 291.500	0.000	TM 741600.000	TM 87300.000	TM 86690.000	5.241	± 0.000
X		91.728%	-0.068	M 279.400	M 289.200	0.000	TM 738600.000	TM 86520.000	TM 85840.000	5.269	± 0.000
σ		0.236%	0.021	M 5.113	M 4.171	0.000	TM 6484.000	TM 1187.000	TM 1180.000	0.095	± 0.000
%RSD		0.257	30.790	M 1.830	M 1.442	0.000	TM 0.878	TM 1.372	TM 1.375	1.798	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:56:17	TM 12330.000	M 66900.000	TM 75020.000	0.000	5.187	0.311	0.721	0.895	98.680	TM 6449.000
2	18:57:23	TM 12670.000	M 68190.000	TM 77040.000	0.000	5.487	0.482	0.796	1.439	83.570	TM 6628.000
3	18:58:28	TM 12680.000	M 68360.000	TM 77240.000	0.000	5.276	0.270	0.760	1.201	83.920	TM 6586.000
X		TM 12560.000	M 67820.000	TM 76440.000	0.000	5.317	0.354	0.759	1.178	88.720	TM 6554.000
σ		TM 199.200	M 801.200	TM 1226.000	0.000	0.154	0.112	0.037	0.273	8.624	TM 93.770
%RSD		TM 1.586	M 1.181	TM 1.604	0.000	2.897	31.700	4.942	23.140	9.720	TM 1.431
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:56:17	TM 91150.000	TM 99040.000	1.288	1.260	27.830	5.644	0.468	0.876	38.730	29.050
2	18:57:23	TM 93290.000	TM 102000.000	1.299	1.343	33.150	5.921	0.441	0.758	40.770	29.760
3	18:58:28	TM 93080.000	TM 101600.000	1.338	1.356	34.200	6.067	0.460	0.864	39.940	29.730
X		TM 92510.000	TM 100900.000	1.308	1.320	31.730	5.877	0.456	0.833	39.810	29.510
σ		TM 1180.000	TM 1621.000	0.027	0.052	3.418	0.215	0.014	0.065	1.029	0.407
%RSD		TM 1.275	TM 1.607	2.028	3.930	10.770	3.656	3.080	7.790	2.585	1.378
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:56:17	0.839	6.637	1.226	0.000	0.000	1.350	TM 797.600	116.775%	0.006	0.034
2	18:57:23	0.731	5.746	1.391	0.000	0.000	1.290	TM 823.600	115.207%	0.000	0.120
3	18:58:28	0.829	4.576	1.378	0.000	0.000	1.255	TM 818.900	116.198%	0.020	0.079
X		0.800	5.653	1.332	0.000	0.000	1.298	TM 813.300	116.060%	0.009	0.078
σ		0.060	1.033	0.092	0.000	0.000	0.048	TM 13.870	0.793%	0.010	0.043
%RSD		7.501	18.280	6.896	0.000	0.000	3.698	TM 1.705	0.683	112.900	54.830
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:56:17	0.118	102.966%	-4.688	0.342	0.506	-0.046	0.381	-0.345	-0.234	104.886%
2	18:57:23	0.118	101.771%	-4.154	0.345	0.473	-0.020	0.367	-0.318	-0.210	104.036%
3	18:58:28	0.114	102.380%	-4.654	0.324	0.507	0.005	0.377	-0.341	-0.233	103.972%
X		0.117	102.372%	-4.499	0.337	0.495	-0.021	0.375	-0.335	-0.226	104.298%
σ		0.003	0.597%	0.299	0.011	0.020	0.025	0.007	0.014	0.013	0.510%
%RSD		2.180	0.583	6.651	3.301	3.955	123.000	2.000	4.330	5.970	0.489
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:56:17	-0.154	-0.021	-0.057	TM 1293.000	107.042%	106.858%	0.034	0.271	-0.008	0.005
2	18:57:23	-0.164	-0.023	-0.066	TM 1328.000	104.796%	104.467%	0.028	0.268	-0.006	-0.001
3	18:58:28	-0.164	-0.037	-0.046	TM 1336.000	104.710%	104.352%	0.026	0.267	0.002	-0.000
X		-0.161	-0.027	-0.056	TM 1319.000	105.516%	105.226%	0.030	0.269	-0.004	0.001
σ		0.006	0.009	0.010	TM 23.270	1.323%	1.415%	0.004	0.002	0.005	0.003
%RSD		3.541	33.010	17.970	TM 1.764	1.254	1.344	14.440	0.761	135.900	238.500
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	18:56:17	0.057	92.130%	0.000	0.000						
2	18:57:23	0.056	90.094%	0.000	0.000						
3	18:58:28	0.059	90.055%	0.000	0.000						
X		0.058	90.760%	0.000	0.000						
σ		0.001	1.187%	0.000	0.000						
%RSD		2.334	1.308	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:00:35	90.737%	-0.086	M 285.600	M 291.400	0.000	TM 737900.000	TM 86190.000	TM 85350.000	4.632	± 0.000
2	19:01:40	92.226%	-0.078	M 281.700	M 292.000	0.000	TM 743000.000	TM 86750.000	TM 85460.000	4.991	± 0.000
3	19:02:46	92.335%	-0.111	M 282.500	M 294.500	0.000	TM 746100.000	TM 88040.000	TM 86520.000	4.742	± 0.000
X		91.766%	-0.092	M 283.300	M 292.600	0.000	TM 742400.000	TM 86990.000	TM 85780.000	4.788	± 0.000
σ		0.893%	0.017	M 2.042	M 1.652	0.000	TM 4161.000	TM 948.400	TM 648.500	0.184	± 0.000
%RSD		0.973	18.780	M 0.721	M 0.565	0.000	TM 0.561	TM 1.090	TM 0.756	3.847	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:00:35	TM 12480.000	M 67750.000	TM 75890.000	0.000	4.403	0.359	0.658	1.296	77.620	TM 6465.000
2	19:01:40	TM 12590.000	M 68310.000	TM 76590.000	0.000	4.483	0.219	0.724	0.564	78.250	TM 6550.000
3	19:02:46	TM 12750.000	M 68820.000	TM 77630.000	0.000	4.384	0.427	0.706	0.964	74.720	TM 6663.000
X		TM 12610.000	M 68290.000	TM 76700.000	0.000	4.423	0.335	0.696	0.941	76.860	TM 6559.000
σ		TM 133.100	M 537.300	TM 874.400	0.000	0.052	0.106	0.034	0.366	1.878	TM 99.590
%RSD		TM 1.056	M 0.787	TM 1.140	0.000	1.179	31.690	4.923	38.940	2.444	TM 1.518
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:00:35	TM 91400.000	TM 100500.000	1.239	0.997	35.000	5.816	0.266	0.627	38.670	29.310
2	19:01:40	TM 92640.000	TM 101700.000	1.331	0.950	41.210	6.042	0.311	0.686	39.590	29.600
3	19:02:46	TM 94280.000	TM 103400.000	1.279	1.088	46.030	6.448	0.350	0.586	41.300	30.520
X		TM 92770.000	TM 101900.000	1.283	1.012	40.740	6.102	0.309	0.633	39.850	29.810
σ		TM 1445.000	TM 1452.000	0.046	0.070	5.530	0.320	0.042	0.051	1.335	0.629
%RSD		TM 1.558	TM 1.425	3.623	6.945	13.570	5.248	13.650	7.979	3.349	2.111
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:00:35	0.617	4.445	1.338	0.000	0.000	1.206	TM 801.200	116.925%	-0.014	0.011
2	19:01:40	0.777	3.534	1.095	0.000	0.000	1.250	TM 808.300	118.042%	-0.028	0.029
3	19:02:46	0.674	4.396	1.345	0.000	0.000	0.916	TM 823.600	117.086%	-0.003	-0.007
X		0.690	4.125	1.259	0.000	0.000	1.124	TM 811.000	117.351%	-0.015	0.011
σ		0.081	0.512	0.143	0.000	0.000	0.181	TM 11.440	0.604%	0.012	0.018
%RSD		11.770	12.420	11.330	0.000	0.000	16.120	TM 1.411	0.515	82.550	159.800
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:00:35	0.072	102.452%	-4.413	0.347	0.488	-0.046	0.376	-0.339	-0.222	103.791%
2	19:01:40	0.069	103.033%	-4.844	0.333	0.523	0.054	0.379	-0.362	-0.249	104.501%
3	19:02:46	0.092	102.647%	-5.558	0.330	0.565	-0.021	0.376	-0.409	-0.277	103.651%
X		0.078	102.711%	-4.938	0.337	0.525	-0.004	0.377	-0.370	-0.249	103.981%
σ		0.012	0.296%	0.579	0.009	0.038	0.052	0.001	0.036	0.027	0.456%
%RSD		15.970	0.288	11.720	2.588	7.275	1269.000	0.350	9.724	10.910	0.438
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:00:35	-0.201	-0.021	-0.075	TM 1303.000	105.295%	105.445%	0.027	0.264	-0.025	-0.027
2	19:01:40	-0.199	-0.046	-0.062	TM 1311.000	105.430%	104.789%	0.025	0.261	-0.031	-0.027
3	19:02:46	-0.194	-0.038	-0.065	TM 1344.000	104.414%	104.576%	0.026	0.264	-0.027	-0.024
X		-0.198	-0.035	-0.067	TM 1319.000	105.046%	104.937%	0.026	0.263	-0.028	-0.026
σ		0.004	0.013	0.007	TM 21.440	0.552%	0.453%	0.001	0.002	0.003	0.002
%RSD		1.771	37.650	10.030	TM 1.625	0.525	0.432	2.834	0.821	10.060	7.238
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	19:00:35	0.034	90.421%	0.000	0.000						
2	19:01:40	0.032	89.826%	0.000	0.000						
3	19:02:46	0.033	89.078%	0.000	0.000						
X		0.033	89.775%	0.000	0.000						
σ		0.001	0.673%	0.000	0.000						
%RSD		3.186	0.750	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:04:55	106.720%	52.230	58.250	58.520	0.000	<u>TM 2615.000</u>	660.300	667.400	478.400	<u>± 0.000</u>
2	19:06:00	108.595%	50.620	54.150	54.560	0.000	<u>TM 1122.000</u>	502.000	504.900	462.000	<u>± 0.000</u>
3	19:07:05	108.249%	48.010	51.510	52.510	0.000	<u>± 793.000</u>	462.800	462.100	444.100	<u>± 0.000</u>
x		107.854%	50.290	54.640	55.200	0.000	<u>TM 1510.000</u>	541.700	544.800	461.500	<u>± 0.000</u>
σ		0.998%	2.132	3.398	3.054	0.000	<u>TM 971.300</u>	104.500	108.300	17.160	<u>± 0.000</u>
%RSD		0.925	4.240	6.219	5.533	0.000	<u>TM 64.320</u>	19.300	19.880	3.718	<u>± 0.000</u>

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:04:55	491.300	661.300	655.200	117.297%	51.210	50.680	50.280	50.480	160.300	66.060
2	19:06:00	456.200	525.700	519.600	118.354%	48.510	48.910	48.640	48.590	175.400	53.610
3	19:07:05	436.200	491.900	473.600	118.635%	48.190	47.430	47.070	47.580	166.700	49.480
x		461.200	559.600	549.500	118.095%	49.300	49.010	48.660	48.880	167.500	56.380
σ		27.870	89.640	94.400	0.705%	1.658	1.625	1.603	1.472	7.618	8.635
%RSD		6.043	16.020	17.180	0.597	3.364	3.317	3.294	3.011	4.549	15.310

Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:04:55	<u>± 773.100</u>	766.100	50.700	51.660	78.410	51.900	50.550	51.290	51.920	50.970
2	19:06:00	<u>± 572.700</u>	566.500	49.330	50.150	68.910	50.070	48.910	49.270	49.280	50.780
3	19:07:05	<u>± 508.600</u>	507.500	47.440	48.130	66.260	47.730	46.860	47.010	47.220	47.330
x		<u>± 618.100</u>	613.300	49.160	49.980	71.190	49.900	48.770	49.190	49.470	49.690
σ		<u>± 138.000</u>	135.500	1.634	1.772	6.388	2.090	1.852	2.139	2.358	2.046
%RSD		<u>± 22.330</u>	22.090	3.325	3.545	8.973	4.187	3.797	4.349	4.766	4.118

Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:04:55	51.510	48.090	52.450	0.000	0.000	50.720	52.280	115.819%	50.590	50.880
2	19:06:00	50.540	46.800	50.410	0.000	0.000	49.590	49.610	115.913%	49.080	49.480
3	19:07:05	48.310	45.760	48.900	0.000	0.000	48.080	47.490	116.593%	47.030	47.340
x		50.120	46.880	50.590	0.000	0.000	49.460	49.790	116.108%	48.900	49.230
σ		1.640	1.168	1.785	0.000	0.000	1.323	2.401	0.423%	1.788	1.787
%RSD		3.272	2.491	3.529	0.000	0.000	2.676	4.822	0.364	3.657	3.630

Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:04:55	50.190	112.858%	49.580	48.760	0.417	49.670	48.440	48.420	49.280	111.155%
2	19:06:00	49.000	112.176%	46.690	48.530	0.541	48.750	48.450	48.000	48.780	110.405%
3	19:07:05	47.460	113.316%	45.990	46.480	0.421	46.310	46.490	46.710	46.470	112.270%
x		48.880	112.783%	47.420	47.920	0.460	48.240	47.800	47.710	48.180	111.276%
σ		1.370	0.574%	1.903	1.253	0.071	1.735	1.130	0.892	1.500	0.939%
%RSD		2.802	0.509	4.012	2.614	15.350	3.596	2.365	1.870	3.114	0.844

Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:04:55	49.520	48.920	48.750	54.410	107.063%	107.288%	50.570	49.750	50.270	50.150
2	19:06:00	48.990	48.840	48.850	51.310	108.718%	107.118%	49.340	49.020	49.410	50.090
3	19:07:05	46.880	46.640	46.770	48.770	110.369%	108.844%	47.840	47.450	47.510	47.430
x		48.460	48.130	48.120	51.500	108.717%	107.750%	49.250	48.740	49.060	49.220
σ		1.397	1.291	1.174	2.823	1.653%	0.951%	1.367	1.172	1.414	1.550
%RSD		2.882	2.683	2.440	5.483	1.520	0.883	2.776	2.405	2.882	3.150

Run	Time	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb
1	19:04:55	50.110	103.443%	0.000	0.000
2	19:06:00	49.450	104.513%	0.000	0.000
3	19:07:05	47.460	105.610%	0.000	0.000
x		49.010	104.522%	0.000	0.000
σ		1.377	1.084%	0.000	0.000
%RSD		2.810	1.037	0.000	0.000

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:09:13	101.152%	0.053	4.974	5.119	0.000	108.000	11.190	10.800	3.543	±0.000
2	19:10:18	104.659%	-0.091	2.964	3.672	0.000	73.160	6.225	6.820	2.400	±0.000
3	19:11:23	99.610%	-0.123	2.772	3.615	0.000	54.400	3.471	4.063	2.172	±0.000
x		101.807%	-0.054	3.570	4.136	0.000	78.530	6.961	7.228	2.705	±0.000
σ		2.588%	0.094	1.220	0.852	0.000	27.210	3.910	3.388	0.734	±0.000
%RSD		2.542	175.400	34.170	20.610	0.000	34.650	56.170	46.870	27.150	±0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:09:13	-0.655	-10.220	-6.060	107.675%	-0.429	0.026	0.243	-0.321	184.900	0.707
2	19:10:18	-7.354	-13.230	-11.040	114.848%	-0.464	-0.259	0.112	0.337	185.400	0.312
3	19:11:23	-1.764	-21.210	-13.440	106.730%	-0.524	-0.075	0.161	1.173	199.500	0.118
x		-3.258	-14.890	-10.180	109.751%	-0.472	-0.103	0.172	0.397	189.900	0.379
σ		3.591	5.676	3.764	4.439%	0.048	0.145	0.066	0.749	8.307	0.300
%RSD		110.200	38.130	36.970	4.045	10.150	141.100	38.460	188.700	4.374	79.190

Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:09:13	20.670	24.450	0.070	0.007	15.330	0.485	-0.175	-0.368	-0.213	-0.473
2	19:10:18	11.900	16.600	-0.056	-0.102	11.430	0.276	-0.277	-0.525	-0.233	-0.571
3	19:11:23	11.080	13.150	-0.077	-0.148	11.720	0.219	-0.324	-0.533	-0.368	-0.640
x		14.550	18.070	-0.021	-0.081	12.820	0.327	-0.259	-0.475	-0.272	-0.562
σ		5.318	5.792	0.080	0.079	2.174	0.140	0.076	0.093	0.084	0.084
%RSD		36.550	32.060	380.500	97.910	16.950	42.780	29.530	19.580	31.040	14.940

Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:09:13	-0.030	-2.178	0.572	0.000	0.000	-0.063	0.123	106.285%	-0.045	0.008
2	19:10:18	-0.234	-2.977	0.157	0.000	0.000	-0.181	-0.055	110.581%	-0.194	-0.170
3	19:11:23	-0.286	-1.399	0.606	0.000	0.000	-0.233	-0.124	105.843%	-0.204	-0.178
x		-0.183	-2.185	0.445	0.000	0.000	-0.159	-0.019	107.570%	-0.148	-0.113
σ		0.135	0.789	0.250	0.000	0.000	0.087	0.127	2.617%	0.089	0.105
%RSD		73.750	36.100	56.250	0.000	0.000	54.940	672.600	2.433	60.230	93.050

Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:09:13	0.104	104.658%	-0.384	0.438	0.233	0.029	0.491	0.012	0.036	102.871%
2	19:10:18	-0.077	109.817%	-0.152	0.356	0.215	-0.024	0.400	-0.055	-0.021	107.159%
3	19:11:23	-0.088	104.524%	-0.371	0.337	0.224	-0.096	0.379	-0.086	-0.051	102.102%
x		-0.021	106.333%	-0.302	0.377	0.224	-0.031	0.423	-0.043	-0.012	104.044%
σ		0.108	3.018%	0.130	0.054	0.009	0.063	0.060	0.050	0.044	2.725%
%RSD		524.000	2.838	43.050	14.280	4.134	204.500	14.150	116.400	356.800	2.619

Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:09:13	-0.009	0.837	0.800	0.255	99.225%	98.846%	0.212	0.429	0.157	0.176
2	19:10:18	-0.138	0.423	0.400	-0.013	104.071%	103.373%	0.106	0.336	0.027	0.032
3	19:11:23	-0.150	0.329	0.294	-0.040	99.382%	98.371%	0.085	0.327	-0.010	-0.009
x		-0.099	0.530	0.498	0.067	100.893%	100.197%	0.134	0.364	0.058	0.066
σ		0.078	0.270	0.267	0.163	2.754%	2.761%	0.068	0.057	0.088	0.097
%RSD		79.260	51.040	53.540	242.400	2.729	2.755	50.930	15.560	151.600	146.900

Run	Time	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb
1	19:09:13	0.223	97.590%	0.000	0.000
2	19:10:18	0.085	102.010%	0.000	0.000
3	19:11:23	0.049	97.445%	0.000	0.000
x		0.119	99.015%	0.000	0.000
σ		0.092	2.595%	0.000	0.000
%RSD		77.460	2.621	0.000	0.000

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:13:32	89.164%	-0.090	M 261.600	M 276.200	0.000	TM 732800.000	TM 85180.000	TM 84110.000	7.215	± 0.000
2	19:14:37	94.216%	-0.121	M 251.700	M 261.000	0.000	TM 690300.000	TM 79370.000	TM 78480.000	5.332	± 0.000
3	19:15:42	93.136%	-0.060	M 266.600	M 278.800	0.000	TM 720100.000	TM 83890.000	TM 82990.000	5.273	± 0.000
X		92.172%	-0.090	M 260.000	M 272.000	0.000	TM 714400.000	TM 82810.000	TM 81860.000	5.940	± 0.000
σ		2.661%	0.031	M 7.583	M 9.596	0.000	TM 21830.000	TM 3050.000	TM 2982.000	1.105	± 0.000
%RSD		2.886	33.910	M 2.917	M 3.528	0.000	TM 3.056	TM 3.683	TM 3.642	18.600	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:13:32	TM 12380.000	M 66710.000	TM 74790.000	0.000	4.202	0.303	1.011	1.688	78.440	TM 6399.000
2	19:14:37	TM 11720.000	M 61640.000	TM 69610.000	0.000	4.148	0.333	0.663	1.158	72.480	TM 5932.000
3	19:15:42	TM 12270.000	M 65510.000	TM 73810.000	0.000	4.451	0.250	0.737	0.392	76.380	TM 6299.000
X		TM 12120.000	M 64620.000	TM 72740.000	0.000	4.267	0.295	0.804	1.079	75.760	TM 6210.000
σ		TM 356.800	M 2652.000	TM 2752.000	0.000	0.162	0.042	0.183	0.652	3.025	TM 245.800
%RSD		TM 2.943	M 4.104	TM 3.784	0.000	3.791	14.370	22.800	60.380	3.993	TM 3.957
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:13:32	TM 90170.000	TM 98690.000	1.454	1.295	30.090	6.556	1.594	2.757	40.460	30.090
2	19:14:37	TM 83770.000	TM 91580.000	1.273	1.331	32.280	6.313	1.396	2.358	37.980	28.320
3	19:15:42	TM 88790.000	TM 97390.000	1.359	1.351	37.670	6.854	1.553	2.590	41.510	29.990
X		TM 87580.000	TM 95890.000	1.362	1.325	33.350	6.575	1.514	2.568	39.980	29.470
σ		TM 3372.000	TM 3785.000	0.090	0.028	3.903	0.271	0.105	0.200	1.814	0.997
%RSD		TM 3.850	TM 3.948	6.628	2.143	11.700	4.123	6.925	7.805	4.536	3.384
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:13:32	1.112	3.969	1.381	0.000	0.000	1.297	TM 796.000	113.562%	0.090	0.135
2	19:14:37	1.048	1.915	1.354	0.000	0.000	1.191	TM 731.400	121.786%	0.074	0.105
3	19:15:42	1.142	3.350	1.490	0.000	0.000	1.357	TM 779.200	118.587%	0.136	0.142
X		1.101	3.078	1.408	0.000	0.000	1.282	TM 768.800	117.978%	0.100	0.127
σ		0.049	1.054	0.072	0.000	0.000	0.084	TM 33.520	4.146%	0.032	0.020
%RSD		4.408	34.230	5.137	0.000	0.000	6.572	TM 4.360	3.514	31.950	15.440
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:13:32	0.204	100.480%	-4.422	0.333	0.490	-0.019	0.373	-0.326	-0.232	102.505%
2	19:14:37	0.173	105.794%	-4.744	0.324	0.509	-0.047	0.368	-0.357	-0.232	107.739%
3	19:15:42	0.187	104.634%	-4.171	0.334	0.476	0.003	0.371	-0.323	-0.222	105.783%
X		0.188	103.636%	-4.446	0.330	0.492	-0.021	0.371	-0.335	-0.229	105.342%
σ		0.015	2.794%	0.288	0.006	0.017	0.025	0.002	0.019	0.006	2.645%
%RSD		8.099	2.696	6.469	1.676	3.382	117.400	0.611	5.527	2.451	2.511
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:13:32	-0.075	0.323	0.291	TM 1288.000	104.688%	103.780%	0.052	0.283	0.011	0.015
2	19:14:37	-0.093	0.255	0.214	TM 1206.000	110.079%	110.018%	0.040	0.279	0.005	-0.001
3	19:15:42	-0.112	0.236	0.193	TM 1271.000	107.340%	107.639%	0.041	0.279	0.008	0.002
X		-0.093	0.271	0.233	TM 1255.000	107.369%	107.146%	0.044	0.280	0.008	0.005
σ		0.019	0.046	0.051	TM 43.340	2.696%	3.148%	0.007	0.002	0.003	0.009
%RSD		19.890	16.810	22.080	TM 3.453	2.511	2.938	14.930	0.793	34.800	164.800
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	19:13:32	0.075	89.893%	0.000	0.000						
2	19:14:37	0.058	93.983%	0.000	0.000						
3	19:15:42	0.062	91.697%	0.000	0.000						
X		0.065	91.858%	0.000	0.000						
σ		0.009	2.049%	0.000	0.000						
%RSD		13.530	2.231	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:17:49	90.689%	-0.120	<u>M 293.200</u>	<u>M 297.100</u>	0.000	<u>TM 766500.000</u>	<u>TM 90300.000</u>	<u>TM 89780.000</u>	4.287	<u>± 0.000</u>
2	19:18:54	94.383%	-0.093	<u>M 267.500</u>	<u>M 283.000</u>	0.000	<u>TM 730800.000</u>	<u>TM 84840.000</u>	<u>TM 84170.000</u>	4.081	<u>± 0.000</u>
3	19:20:00	95.855%	-0.076	<u>M 268.000</u>	<u>M 279.500</u>	0.000	<u>TM 716300.000</u>	<u>TM 83150.000</u>	<u>TM 82170.000</u>	3.957	<u>± 0.000</u>
x		<u>93.642%</u>	<u>-0.096</u>	<u>M 276.200</u>	<u>M 286.500</u>	<u>0.000</u>	<u>TM 737900.000</u>	<u>TM 86100.000</u>	<u>TM 85370.000</u>	<u>4.109</u>	<u>± 0.000</u>
σ		<u>2.662%</u>	<u>0.022</u>	<u>M 14.690</u>	<u>M 9.290</u>	<u>0.000</u>	<u>TM 25850.000</u>	<u>TM 3737.000</u>	<u>TM 3946.000</u>	<u>0.167</u>	<u>± 0.000</u>
%RSD		<u>2.842</u>	<u>22.620</u>	<u>M 5.317</u>	<u>M 3.242</u>	<u>0.000</u>	<u>TM 3.503</u>	<u>TM 4.341</u>	<u>TM 4.622</u>	<u>4.062</u>	<u>± 0.000</u>
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:17:49	<u>TM 12980.000</u>	<u>M 70950.000</u>	<u>TM 80220.000</u>	0.000	4.907	0.329	0.728	1.397	76.930	<u>TM 6843.000</u>
2	19:18:54	<u>TM 12440.000</u>	<u>M 67390.000</u>	<u>TM 75530.000</u>	0.000	4.541	0.266	0.652	1.243	74.470	<u>TM 6453.000</u>
3	19:20:00	<u>TM 12270.000</u>	<u>M 65880.000</u>	<u>TM 74110.000</u>	0.000	4.534	0.392	0.691	1.672	71.410	<u>TM 6371.000</u>
x		<u>TM 12570.000</u>	<u>M 68070.000</u>	<u>TM 76620.000</u>	<u>0.000</u>	<u>4.661</u>	<u>0.329</u>	<u>0.690</u>	<u>1.437</u>	<u>74.270</u>	<u>TM 6556.000</u>
σ		<u>TM 370.200</u>	<u>M 2602.000</u>	<u>TM 3197.000</u>	<u>0.000</u>	<u>0.213</u>	<u>0.063</u>	<u>0.038</u>	<u>0.217</u>	<u>2.764</u>	<u>TM 252.100</u>
%RSD		<u>TM 2.947</u>	<u>M 3.822</u>	<u>TM 4.173</u>	<u>0.000</u>	<u>4.573</u>	<u>19.110</u>	<u>5.489</u>	<u>15.130</u>	<u>3.722</u>	<u>TM 3.845</u>
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:17:49	<u>TM 97250.000</u>	<u>TM 107200.000</u>	1.315	1.255	49.450	6.784	0.412	0.836	42.980	31.690
2	19:18:54	<u>TM 91050.000</u>	<u>TM 99720.000</u>	1.267	1.309	56.260	6.727	0.395	0.785	40.460	29.770
3	19:20:00	<u>TM 89720.000</u>	<u>TM 98450.000</u>	1.264	1.228	67.050	7.065	0.340	0.874	39.050	28.910
x		<u>TM 92680.000</u>	<u>TM 101800.000</u>	<u>1.282</u>	<u>1.264</u>	<u>57.590</u>	<u>6.858</u>	<u>0.383</u>	<u>0.832</u>	<u>40.830</u>	<u>30.130</u>
σ		<u>TM 4016.000</u>	<u>TM 4738.000</u>	<u>0.029</u>	<u>0.041</u>	<u>8.875</u>	<u>0.181</u>	<u>0.038</u>	<u>0.044</u>	<u>1.989</u>	<u>1.424</u>
%RSD		<u>TM 4.333</u>	<u>TM 4.654</u>	<u>2.230</u>	<u>3.275</u>	<u>15.410</u>	<u>2.639</u>	<u>9.935</u>	<u>5.338</u>	<u>4.872</u>	<u>4.726</u>
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:17:49	0.787	6.003	1.701	0.000	0.000	1.595	<u>TM 847.800</u>	114.393%	0.047	0.132
2	19:18:54	0.639	4.917	1.446	0.000	0.000	1.210	<u>TM 800.200</u>	119.784%	0.024	0.093
3	19:20:00	0.731	3.981	1.384	0.000	0.000	1.099	<u>TM 786.800</u>	121.175%	0.039	0.078
x		<u>0.719</u>	<u>4.967</u>	<u>1.510</u>	<u>0.000</u>	<u>0.000</u>	<u>1.301</u>	<u>TM 811.600</u>	<u>118.450%</u>	<u>0.037</u>	<u>0.101</u>
σ		<u>0.075</u>	<u>1.012</u>	<u>0.168</u>	<u>0.000</u>	<u>0.000</u>	<u>0.261</u>	<u>TM 32.090</u>	<u>3.582%</u>	<u>0.012</u>	<u>0.028</u>
%RSD		<u>10.440</u>	<u>20.370</u>	<u>11.120</u>	<u>0.000</u>	<u>0.000</u>	<u>20.030</u>	<u>TM 3.953</u>	<u>3.024</u>	<u>31.270</u>	<u>27.460</u>
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:17:49	0.162	100.484%	-4.835	0.333	0.514	-0.070	0.382	-0.353	-0.240	101.674%
2	19:18:54	0.119	105.399%	-5.209	0.326	0.548	0.052	0.364	-0.394	-0.267	105.194%
3	19:20:00	0.132	105.365%	-4.516	0.331	0.500	0.026	0.371	-0.347	-0.236	106.865%
x		<u>0.138</u>	<u>103.749%</u>	<u>-4.853</u>	<u>0.330</u>	<u>0.521</u>	<u>0.003</u>	<u>0.372</u>	<u>-0.364</u>	<u>-0.248</u>	<u>104.577%</u>
σ		<u>0.022</u>	<u>2.828%</u>	<u>0.347</u>	<u>0.004</u>	<u>0.025</u>	<u>0.064</u>	<u>0.009</u>	<u>0.026</u>	<u>0.017</u>	<u>2.650%</u>
%RSD		<u>16.110</u>	<u>2.726</u>	<u>7.141</u>	<u>1.183</u>	<u>4.746</u>	<u>2566.000</u>	<u>2.387</u>	<u>7.018</u>	<u>6.913</u>	<u>2.534</u>
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:17:49	-0.199	0.083	0.053	<u>TM 1384.000</u>	101.566%	101.988%	0.024	0.262	-0.017	-0.013
2	19:18:54	-0.210	0.060	0.012	<u>TM 1310.000</u>	106.467%	106.263%	0.021	0.260	-0.025	-0.018
3	19:20:00	-0.206	0.022	-0.004	<u>TM 1288.000</u>	108.178%	107.416%	0.023	0.263	-0.018	-0.020
x		<u>-0.205</u>	<u>0.055</u>	<u>0.021</u>	<u>TM 1327.000</u>	<u>105.404%</u>	<u>105.222%</u>	<u>0.023</u>	<u>0.262</u>	<u>-0.020</u>	<u>-0.017</u>
σ		<u>0.005</u>	<u>0.031</u>	<u>0.029</u>	<u>TM 50.590</u>	<u>3.432%</u>	<u>2.860%</u>	<u>0.001</u>	<u>0.001</u>	<u>0.004</u>	<u>0.003</u>
%RSD		<u>2.662</u>	<u>56.150</u>	<u>141.700</u>	<u>TM 3.811</u>	<u>3.256</u>	<u>2.718</u>	<u>5.493</u>	<u>0.458</u>	<u>20.000</u>	<u>19.870</u>
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	19:17:49	0.042	88.788%	0.000	0.000						
2	19:18:54	0.037	91.152%	0.000	0.000						
3	19:20:00	0.039	91.762%	0.000	0.000						
x		<u>0.039</u>	<u>90.567%</u>	<u>0.000</u>	<u>0.000</u>						
σ		<u>0.002</u>	<u>1.571%</u>	<u>0.000</u>	<u>0.000</u>						
%RSD		<u>6.194</u>	<u>1.734</u>	<u>0.000</u>	<u>0.000</u>						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:22:07	92.305%	-0.064	M 199.200	M 203.000	0.000	TM 717100.000	TM 66910.000	TM 66250.000	T 7.446	T 0.000
2	19:23:13	92.941%	-0.074	M 195.700	M 203.700	0.000	TM 711900.000	TM 66970.000	TM 66450.000	T 8.267	T 0.000
3	19:24:18	95.192%	-0.080	M 189.200	M 196.600	0.000	TM 694700.000	TM 64780.000	TM 64370.000	4.061	T 0.000
X		93.479%	-0.073	M 194.700	M 201.100	0.000	TM 707900.000	TM 66220.000	TM 65690.000	T 6.592	T 0.000
σ		1.517%	0.008	M 5.039	M 3.918	0.000	TM 11750.000	TM 1252.000	TM 1151.000	T 2.229	T 0.000
%RSD		1.623	11.490	M 2.588	M 1.948	0.000	TM 1.661	TM 1.890	TM 1.753	T 33.820	T 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:22:07	TM 9094.000	M 94180.000	TM 105300.000	0.000	4.644	0.608	0.570	1.629	70.070	TM 6872.000
2	19:23:13	TM 9095.000	M 93980.000	TM 105700.000	0.000	4.609	0.405	0.569	0.837	72.340	TM 6871.000
3	19:24:18	TM 8946.000	M 92410.000	TM 103200.000	0.000	4.964	0.534	0.536	1.252	68.710	TM 6698.000
X		TM 9045.000	M 93520.000	TM 104700.000	0.000	4.739	0.516	0.559	1.239	70.370	TM 6814.000
σ		TM 85.850	M 969.600	TM 1303.000	0.000	0.196	0.103	0.019	0.396	1.837	TM 99.880
%RSD		TM 0.949	M 1.037	TM 1.244	0.000	4.129	19.930	3.414	31.980	2.611	TM 1.466
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:22:07	TM 117300.000	TM 129300.000	1.005	0.841	82.550	8.155	0.504	0.875	43.780	33.790
2	19:23:13	TM 117600.000	TM 129600.000	1.057	0.834	M 100.800	8.680	0.516	0.944	44.890	33.180
3	19:24:18	TM 114500.000	TM 126200.000	1.038	0.826	M 109.500	9.304	0.497	0.863	42.670	32.560
X		TM 116500.000	TM 128400.000	1.033	0.833	M 97.610	8.713	0.506	0.894	43.780	33.180
σ		TM 1726.000	TM 1877.000	0.026	0.008	M 13.740	0.575	0.009	0.044	1.112	0.619
%RSD		TM 1.482	TM 1.462	2.514	0.936	M 14.070	6.603	1.837	4.899	2.539	1.864
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:22:07	1.092	4.453	1.679	0.000	0.000	1.045	TM 801.500	118.119%	0.085	0.161
2	19:23:13	1.189	4.023	1.674	0.000	0.000	0.949	TM 802.600	119.593%	0.104	0.133
3	19:24:18	1.137	3.717	1.874	0.000	0.000	0.987	TM 790.700	120.948%	0.047	0.105
X		1.140	4.064	1.742	0.000	0.000	0.994	TM 798.300	119.553%	0.079	0.133
σ		0.049	0.370	0.114	0.000	0.000	0.048	TM 6.568	1.415%	0.029	0.028
%RSD		4.273	9.099	6.563	0.000	0.000	4.852	TM 0.823	1.183	36.340	20.970
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:22:07	0.155	102.954%	-4.468	0.338	0.492	-0.046	0.367	-0.342	-0.231	104.720%
2	19:23:13	0.141	104.090%	-4.959	0.328	0.528	0.004	0.370	-0.373	-0.252	104.178%
3	19:24:18	0.185	106.387%	-3.223	0.325	0.418	0.050	0.371	-0.277	-0.184	107.237%
X		0.161	104.477%	-4.217	0.330	0.479	0.002	0.369	-0.330	-0.222	105.378%
σ		0.023	1.749%	0.895	0.007	0.056	0.048	0.002	0.049	0.034	1.632%
%RSD		14.070	1.674	21.220	2.033	11.700	2002.000	0.563	14.830	15.470	1.549
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:22:07	-0.205	0.012	-0.019	TM 1435.000	105.240%	105.752%	0.020	0.259	-0.028	-0.023
2	19:23:13	-0.200	-0.009	-0.039	TM 1449.000	104.971%	105.885%	0.016	0.259	-0.025	-0.023
3	19:24:18	-0.203	-0.007	-0.044	TM 1403.000	106.952%	107.564%	0.017	0.257	-0.026	-0.026
X		-0.203	-0.001	-0.034	TM 1429.000	105.721%	106.400%	0.018	0.258	-0.027	-0.024
σ		0.002	0.011	0.014	TM 23.580	1.075%	1.010%	0.002	0.001	0.001	0.002
%RSD		1.210	872.000	40.210	TM 1.650	1.017	0.949	10.670	0.441	5.469	8.294
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	19:22:07	0.036	89.522%	0.000	0.000						
2	19:23:13	0.035	90.399%	0.000	0.000						
3	19:24:18	0.035	91.974%	0.000	0.000						
X		0.035	90.631%	0.000	0.000						
σ		0.001	1.243%	0.000	0.000						
%RSD		1.828	1.371	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:26:26	92.392%	-0.059	M 195.300	M 204.100	0.000	TM 734300.000	TM 67810.000	TM 67220.000	4.590	± 0.000
2	19:27:31	94.102%	-0.102	M 182.200	M 182.600	0.000	TM 663100.000	TM 59870.000	TM 59560.000	± 8.718	± 0.000
3	19:28:36	97.860%	-0.065	M 191.000	M 200.000	0.000	TM 707700.000	TM 65500.000	TM 65070.000	4.444	± 0.000
X		94.785%	-0.075	M 189.500	M 195.500	0.000	TM 701700.000	TM 64390.000	TM 63950.000	± 5.917	± 0.000
σ		2.797%	0.024	M 6.679	M 11.410	0.000	TM 36000.000	TM 4087.000	TM 3946.000	± 2.426	± 0.000
%RSD		2.951	31.310	M 3.525	M 5.835	0.000	TM 5.131	TM 6.346	TM 6.171	± 41.000	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:26:26	TM 9064.000	M 101700.000	TM 113600.000	0.000	4.944	0.413	0.554	0.871	72.410	TM 6965.000
2	19:27:31	TM 8306.000	M 90060.000	TM 101900.000	0.000	4.319	0.411	0.414	0.657	63.880	TM 6254.000
3	19:28:36	TM 8926.000	M 100000.000	TM 111600.000	0.000	4.696	0.393	0.489	0.649	69.740	TM 6873.000
X		TM 8765.000	M 97250.000	TM 109100.000	0.000	4.653	0.406	0.486	0.726	68.680	TM 6697.000
σ		TM 403.700	M 6282.000	TM 6263.000	0.000	0.315	0.011	0.070	0.126	4.361	TM 386.700
%RSD		TM 4.606	M 6.460	TM 5.742	0.000	6.764	2.628	14.420	17.360	6.349	TM 5.774
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:26:26	TM 120500.000	TM 132900.000	1.016	0.840	M 133.500	10.640	0.593	0.637	44.900	33.700
2	19:27:31	TM 107600.000	TM 117900.000	0.904	0.741	M 143.500	10.550	0.573	0.531	42.200	30.650
3	19:28:36	TM 119200.000	TM 130400.000	1.029	0.966	M 162.700	11.980	0.618	0.605	44.820	32.950
X		TM 115800.000	TM 127000.000	0.983	0.849	M 146.500	11.060	0.595	0.591	43.970	32.430
σ		TM 7095.000	TM 8032.000	0.069	0.113	M 14.870	0.800	0.023	0.054	1.535	1.587
%RSD		TM 6.128	TM 6.323	6.991	13.280	M 10.150	7.240	3.797	9.155	3.490	4.892
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:26:26	1.093	4.873	1.838	0.000	0.000	0.719	TM 828.800	121.187%	0.164	0.176
2	19:27:31	0.979	2.590	2.105	0.000	0.000	0.441	TM 746.200	121.797%	0.074	0.069
3	19:28:36	1.070	5.292	1.780	0.000	0.000	0.458	TM 825.200	124.206%	0.150	0.140
X		1.047	4.252	1.907	0.000	0.000	0.539	TM 800.100	122.397%	0.130	0.128
σ		0.060	1.455	0.173	0.000	0.000	0.156	TM 46.710	1.596%	0.048	0.054
%RSD		5.764	34.210	9.082	0.000	0.000	28.940	TM 5.838	1.304	37.280	42.320
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:26:26	0.178	105.394%	-5.165	0.327	0.551	0.149	0.368	-0.397	-0.270	106.075%
2	19:27:31	0.182	105.747%	-4.246	0.324	0.491	0.148	0.366	-0.339	-0.227	106.491%
3	19:28:36	0.211	106.759%	-5.253	0.320	0.554	0.121	0.366	-0.402	-0.268	107.968%
X		0.190	105.967%	-4.888	0.324	0.532	0.140	0.367	-0.379	-0.255	106.845%
σ		0.018	0.708%	0.558	0.004	0.036	0.016	0.001	0.035	0.024	0.995%
%RSD		9.488	0.669	11.410	1.094	6.670	11.310	0.306	9.146	9.501	0.931
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:26:26	-0.188	0.010	-0.015	TM 1492.000	106.437%	105.780%	0.018	0.259	-0.023	-0.016
2	19:27:31	-0.182	-0.001	-0.013	TM 1335.000	106.599%	106.530%	0.021	0.257	-0.016	-0.020
3	19:28:36	-0.196	0.032	-0.036	TM 1487.000	108.304%	107.199%	0.019	0.258	-0.024	-0.014
X		-0.189	0.014	-0.021	TM 1438.000	107.113%	106.503%	0.019	0.258	-0.021	-0.017
σ		0.007	0.016	0.013	TM 89.060	1.034%	0.710%	0.002	0.001	0.004	0.003
%RSD		3.821	121.100	60.630	TM 6.193	0.965	0.667	8.426	0.418	20.460	19.100
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	19:26:26	0.041	90.596%	0.000	0.000						
2	19:27:31	0.039	90.984%	0.000	0.000						
3	19:28:36	0.042	91.768%	0.000	0.000						
X		0.041	91.116%	0.000	0.000						
σ		0.001	0.597%	0.000	0.000						
%RSD		2.893	0.656	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:30:44	110.293%	-0.130	6.484	6.373	0.000	<u>TM 1971.000</u>	190.900	195.900	2.854	<u>± 0.000</u>
2	19:31:49	106.584%	-0.142	4.195	4.534	0.000	511.700	34.160	35.540	2.921	<u>± 0.000</u>
3	19:32:55	108.089%	-0.146	3.072	4.056	0.000	276.200	14.840	15.080	2.762	<u>± 0.000</u>
x		<u>108.322%</u>	<u>-0.139</u>	<u>4.583</u>	<u>4.988</u>	<u>0.000</u>	<u>TM 919.700</u>	<u>79.960</u>	<u>82.160</u>	<u>2.846</u>	<u>± 0.000</u>
σ		<u>1.866%</u>	<u>0.008</u>	<u>1.739</u>	<u>1.223</u>	<u>0.000</u>	<u>TM 918.300</u>	<u>96.540</u>	<u>99.010</u>	<u>0.080</u>	<u>± 0.000</u>
%RSD		<u>1.722</u>	<u>5.763</u>	<u>37.940</u>	<u>24.520</u>	<u>0.000</u>	<u>TM 99.840</u>	<u>120.700</u>	<u>120.500</u>	<u>2.813</u>	<u>± 0.000</u>
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:30:44	13.750	285.500	277.200	121.981%	-0.376	-0.219	-0.174	-0.197	128.500	20.130
2	19:31:49	3.609	36.440	45.390	116.803%	-0.343	-0.280	-0.136	0.167	160.900	3.465
3	19:32:55	-2.599	10.070	11.730	118.141%	-0.415	-0.261	-0.113	0.513	172.200	1.354
x		<u>4.918</u>	<u>110.700</u>	<u>111.400</u>	<u>118.975%</u>	<u>-0.378</u>	<u>-0.253</u>	<u>-0.141</u>	<u>0.161</u>	<u>153.900</u>	<u>8.317</u>
σ		<u>8.250</u>	<u>152.000</u>	<u>144.500</u>	<u>2.688%</u>	<u>0.036</u>	<u>0.031</u>	<u>0.031</u>	<u>0.355</u>	<u>22.700</u>	<u>10.290</u>
%RSD		<u>167.700</u>	<u>137.300</u>	<u>129.700</u>	<u>2.259</u>	<u>9.586</u>	<u>12.400</u>	<u>21.870</u>	<u>220.800</u>	<u>14.750</u>	<u>123.700</u>
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:30:44	<u>± 517.200</u>	504.200	-0.084	0.402	<u>± 120.600</u>	4.971	-0.133	-0.090	0.076	-0.118
2	19:31:49	102.900	110.600	-0.085	0.221	98.870	4.204	-0.141	0.015	0.396	-0.162
3	19:32:55	48.090	54.450	-0.090	0.122	79.460	3.197	-0.173	-0.011	0.272	-0.202
x		<u>± 222.700</u>	<u>223.100</u>	<u>-0.087</u>	<u>0.248</u>	<u>± 99.660</u>	<u>4.124</u>	<u>-0.149</u>	<u>-0.028</u>	<u>0.248</u>	<u>-0.161</u>
σ		<u>± 256.500</u>	<u>245.100</u>	<u>0.003</u>	<u>0.142</u>	<u>± 20.600</u>	<u>0.890</u>	<u>0.022</u>	<u>0.055</u>	<u>0.161</u>	<u>0.042</u>
%RSD		<u>± 115.200</u>	<u>109.800</u>	<u>3.786</u>	<u>57.370</u>	<u>± 20.670</u>	<u>21.580</u>	<u>14.520</u>	<u>192.800</u>	<u>65.070</u>	<u>26.080</u>
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:30:44	-0.312	-4.288	0.714	0.000	0.000	-0.977	2.279	119.777%	-0.260	-0.229
2	19:31:49	-0.210	-3.226	0.452	0.000	0.000	-0.802	0.333	114.880%	-0.261	-0.236
3	19:32:55	-0.182	-3.738	0.491	0.000	0.000	-0.722	0.025	115.726%	-0.271	-0.227
x		<u>-0.235</u>	<u>-3.750</u>	<u>0.552</u>	<u>0.000</u>	<u>0.000</u>	<u>-0.834</u>	<u>0.879</u>	<u>116.794%</u>	<u>-0.264</u>	<u>-0.231</u>
σ		<u>0.068</u>	<u>0.531</u>	<u>0.142</u>	<u>0.000</u>	<u>0.000</u>	<u>0.130</u>	<u>1.222</u>	<u>2.617%</u>	<u>0.006</u>	<u>0.005</u>
%RSD		<u>29.130</u>	<u>14.160</u>	<u>25.630</u>	<u>0.000</u>	<u>0.000</u>	<u>15.590</u>	<u>139.100</u>	<u>2.241</u>	<u>2.232</u>	<u>2.073</u>
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:30:44	-0.154	116.575%	-0.461	0.339	0.235	-0.029	0.374	-0.105	-0.074	113.398%
2	19:31:49	-0.154	111.875%	-0.235	0.336	0.223	0.021	0.366	-0.088	-0.065	109.160%
3	19:32:55	-0.156	112.447%	-0.217	0.330	0.225	0.066	0.363	-0.090	-0.067	110.783%
x		<u>-0.155</u>	<u>113.632%</u>	<u>-0.304</u>	<u>0.335</u>	<u>0.228</u>	<u>0.020</u>	<u>0.367</u>	<u>-0.094</u>	<u>-0.069</u>	<u>111.114%</u>
σ		<u>0.001</u>	<u>2.565%</u>	<u>0.136</u>	<u>0.005</u>	<u>0.006</u>	<u>0.047</u>	<u>0.005</u>	<u>0.009</u>	<u>0.004</u>	<u>2.138%</u>
%RSD		<u>0.658</u>	<u>2.257</u>	<u>44.710</u>	<u>1.386</u>	<u>2.717</u>	<u>242.200</u>	<u>1.496</u>	<u>9.924</u>	<u>6.510</u>	<u>1.924</u>
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:30:44	-0.203	-0.043	-0.076	4.714	108.414%	107.287%	0.016	0.256	-0.029	-0.026
2	19:31:49	-0.212	-0.028	-0.065	1.005	104.933%	104.376%	0.016	0.257	-0.032	-0.031
3	19:32:55	-0.204	-0.024	-0.072	0.327	106.300%	106.139%	0.019	0.256	-0.032	-0.028
x		<u>-0.206</u>	<u>-0.032</u>	<u>-0.071</u>	<u>2.015</u>	<u>106.549%</u>	<u>105.934%</u>	<u>0.017</u>	<u>0.256</u>	<u>-0.031</u>	<u>-0.028</u>
σ		<u>0.005</u>	<u>0.010</u>	<u>0.006</u>	<u>2.362</u>	<u>1.754%</u>	<u>1.466%</u>	<u>0.002</u>	<u>0.001</u>	<u>0.002</u>	<u>0.002</u>
%RSD		<u>2.494</u>	<u>30.580</u>	<u>8.085</u>	<u>117.200</u>	<u>1.646</u>	<u>1.384</u>	<u>9.320</u>	<u>0.389</u>	<u>5.265</u>	<u>8.670</u>
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	19:30:44	0.031	104.694%	0.000	0.000						
2	19:31:49	0.027	102.005%	0.000	0.000						
3	19:32:55	0.028	103.761%	0.000	0.000						
x		<u>0.029</u>	<u>103.487%</u>	<u>0.000</u>	<u>0.000</u>						
σ		<u>0.002</u>	<u>1.365%</u>	<u>0.000</u>	<u>0.000</u>						
%RSD		<u>6.784</u>	<u>1.319</u>	<u>0.000</u>	<u>0.000</u>						

6.1  
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mp58046-1c1 5/7/2011 19:33:57

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:35:02	105.234%	m103.600	2.656	2.999	0.000	645.900	460.600	462.900	473.200	0.000
2	19:36:07	102.514%	m110.100	2.223	2.891	0.000	613.400	494.200	488.600	529.500	0.000
3	19:37:12	104.683%	m109.200	3.048	2.710	0.000	599.800	492.600	487.700	529.800	0.000
X		104.144%	m107.600	2.642	2.867	0.000	619.700	482.400	479.800	510.800	0.000
σ		1.438%	m3.559	0.413	0.146	0.000	23.700	18.970	14.580	32.600	0.000
%RSD		1.381	m3.307	15.620	5.096	0.000	3.824	3.931	3.039	6.381	0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:35:02	462.300	450.500	461.500	117.391%	-0.473	m101.100	99.500	99.500	181.900	m100.700
2	19:36:07	485.800	483.200	491.800	113.236%	-0.426	m108.500	m107.900	m107.100	182.900	m107.700
3	19:37:12	493.900	520.000	499.500	110.684%	-0.416	m110.900	m110.100	m109.500	174.000	m109.600
X		480.700	484.600	484.300	113.770%	-0.438	m106.800	m105.800	m105.400	179.600	m106.000
σ		16.400	34.750	20.060	3.385%	0.031	m5.077	m5.584	m5.211	4.853	m4.667
%RSD		3.412	7.172	4.143	2.976	6.971	m4.752	m5.276	m4.946	2.702	m4.404
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:35:02	504.400	497.300	m100.700	m100.500	m160.900	m102.400	99.450	99.260	95.680	99.550
2	19:36:07	531.700	528.700	m108.400	m108.200	m161.000	m110.000	m107.600	m107.300	m105.700	m106.600
3	19:37:12	541.400	534.300	m109.900	m110.100	m161.500	m112.000	m109.400	m108.600	m105.400	m108.000
X		525.800	520.100	m106.300	m106.300	m161.100	m108.100	m105.500	m105.100	m102.200	m104.700
σ		19.210	19.930	m4.922	m5.087	m0.335	m5.056	m5.303	m5.071	m5.675	m4.511
%RSD		3.653	3.831	m4.628	m4.787	m0.208	m4.675	m5.027	m4.826	m5.551	m4.309
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:35:02	m103.100	m208.800	m206.600	0.000	0.000	m203.100	-0.065	116.009%	-0.271	-0.227
2	19:36:07	m110.900	m222.700	m220.100	0.000	0.000	m218.000	-0.098	111.139%	-0.268	-0.230
3	19:37:12	m112.400	m224.800	m221.900	0.000	0.000	m218.900	-0.101	110.295%	-0.262	-0.233
X		m108.800	m218.800	m216.200	0.000	0.000	m213.300	-0.088	112.481%	-0.267	-0.230
σ		m5.026	m8.698	m8.391	0.000	0.000	m8.889	0.020	3.084%	0.004	0.003
%RSD		m4.619	m3.976	m3.881	0.000	0.000	m4.167	22.380	2.742	1.625	1.437
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:35:02	-0.158	112.329%	98.230	98.060	0.451	95.910	97.810	97.980	98.620	110.499%
2	19:36:07	-0.152	108.111%	m104.800	m104.700	0.449	m102.000	m104.400	m106.300	m107.000	106.780%
3	19:37:12	-0.152	106.422%	m108.400	m106.400	0.517	m106.300	m105.800	m106.900	m107.700	105.468%
X		-0.154	108.954%	m103.800	m103.100	0.473	m101.400	m102.700	m103.700	m104.500	107.582%
σ		0.003	3.042%	m5.167	m4.430	0.039	m5.235	m4.265	m4.976	m5.073	2.610%
%RSD		1.978	2.792	m4.977	m4.297	8.225	m5.162	m4.154	m4.798	m4.856	2.426
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:35:02	-0.213	m100.900	m100.700	m101.000	107.724%	107.103%	m101.500	m102.100	m100.500	m100.600
2	19:36:07	-0.210	m109.700	m109.500	m108.400	103.767%	103.113%	m109.000	m108.800	m108.400	m108.200
3	19:37:12	-0.211	m110.800	m110.800	m110.400	102.742%	102.386%	m107.800	m108.000	m108.200	m108.300
X		-0.211	m107.200	m107.000	m106.600	104.744%	104.200%	m106.100	m106.300	m105.700	m105.700
σ		0.002	m5.407	m5.478	m4.929	2.631%	2.539%	m4.028	m3.634	m4.470	m4.427
%RSD		0.712	m5.046	m5.119	m4.624	2.512	2.437	m3.796	m3.419	m4.229	m4.189
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	19:35:02	m100.900	103.971%	0.000	0.000						
2	19:36:07	m109.000	100.275%	0.000	0.000						
3	19:37:12	m108.700	100.275%	0.000	0.000						
X		m106.200	101.507%	0.000	0.000						
σ		m4.568	2.134%	0.000	0.000						
%RSD		m4.302	2.102	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:39:20	88.606%	M 115.400	M 189.700	M 190.400	0.000	TM 694300.000	TM 65060.000	TM 64320.000	571.500	± 0.000
2	19:40:25	91.271%	M 113.300	M 186.900	M 192.500	0.000	TM 694200.000	TM 64970.000	TM 64370.000	571.300	± 0.000
3	19:41:30	94.464%	M 109.700	M 181.900	M 184.600	0.000	TM 669000.000	TM 62040.000	TM 61650.000	546.500	± 0.000
	X	91.447%	M 112.800	M 186.200	M 189.200	0.000	TM 685800.000	TM 64020.000	TM 63440.000	563.100	± 0.000
	σ	2.933%	M 2.838	M 3.930	M 4.063	0.000	TM 14550.000	TM 1721.000	TM 1555.000	14.360	± 0.000
	%RSD	3.207	M 2.516	M 2.111	M 2.147	0.000	TM 2.122	TM 2.689	TM 2.451	2.550	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:39:20	TM 9225.000	M 92820.000	TM 104100.000	0.000	4.636	M 125.700	M 119.300	M 120.800	80.360	TM 6706.000
2	19:40:25	TM 9336.000	M 94300.000	TM 105000.000	0.000	4.674	M 126.600	M 120.700	M 119.200	94.910	TM 6771.000
3	19:41:30	TM 9015.000	M 89980.000	TM 100400.000	0.000	4.781	M 120.400	M 115.000	M 114.700	92.290	TM 6466.000
	X	TM 9192.000	M 92370.000	TM 103100.000	0.000	4.697	M 124.200	M 118.300	M 118.200	89.180	TM 6648.000
	σ	TM 163.100	M 2194.000	TM 2443.000	0.000	0.075	M 3.331	M 3.005	M 3.149	7.756	TM 160.700
	%RSD	TM 1.775	M 2.375	TM 2.369	0.000	1.598	M 2.682	M 2.540	M 2.663	8.696	TM 2.417
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:39:20	TM 114000.000	TM 124900.000	M 113.500	M 107.900	M 177.100	M 113.300	M 106.000	M 104.400	M 143.000	M 135.000
2	19:40:25	TM 115400.000	TM 126500.000	M 115.000	M 111.300	M 180.600	M 114.500	M 107.300	M 105.500	M 144.900	M 135.900
3	19:41:30	TM 110200.000	TM 120900.000	M 109.800	M 105.600	M 172.400	M 110.500	M 101.800	99.620	M 138.400	M 129.300
	X	TM 113200.000	TM 124100.000	M 112.800	M 108.300	M 176.700	M 112.800	M 105.000	M 103.200	M 142.100	M 133.400
	σ	TM 2675.000	TM 2910.000	M 2.646	M 2.856	M 4.144	M 2.092	M 2.851	M 3.135	M 3.360	M 3.604
	%RSD	TM 2.363	TM 2.345	M 2.346	M 2.637	M 2.345	M 1.855	M 2.715	M 3.038	M 2.364	M 2.701
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:39:20	M 112.200	M 201.500	M 193.400	0.000	0.000	M 189.600	TM 782.500	114.780%	0.061	0.122
2	19:40:25	M 113.100	M 205.800	M 196.500	0.000	0.000	M 190.700	TM 786.300	117.609%	0.047	0.134
3	19:41:30	M 108.500	M 193.400	M 187.300	0.000	0.000	M 183.300	TM 745.000	122.690%	0.076	0.099
	X	M 111.300	M 200.200	M 192.400	0.000	0.000	M 187.800	TM 771.300	118.360%	0.061	0.119
	σ	M 2.436	M 6.302	M 4.664	0.000	0.000	M 4.004	TM 22.840	4.008%	0.015	0.018
	%RSD	M 2.190	M 3.148	M 2.424	0.000	0.000	M 2.131	TM 2.962	3.386	24.120	14.790
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:39:20	0.150	100.879%	M 100.600	98.930	0.669	M 100.800	98.330	M 100.200	M 100.100	102.531%
2	19:40:25	0.175	103.750%	97.240	98.930	0.781	99.250	97.880	99.420	99.340	105.485%
3	19:41:30	0.173	107.169%	92.200	95.220	0.754	94.280	94.150	95.360	95.540	108.031%
	X	0.166	103.933%	M 96.690	97.700	0.735	M 98.120	96.790	M 98.320	M 98.320	105.349%
	σ	0.014	3.149%	M 4.241	2.142	0.058	M 3.415	2.290	M 2.591	M 2.433	2.752%
	%RSD	8.362	3.030	M 4.386	2.193	7.936	M 3.480	2.366	M 2.635	M 2.475	2.613
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:39:20	-0.170	M 110.600	M 110.600	TM 1517.000	104.870%	104.033%	M 108.000	M 108.600	M 108.800	M 109.600
2	19:40:25	-0.182	M 110.100	M 109.400	TM 1502.000	106.559%	106.597%	M 106.300	M 107.700	M 107.800	M 108.100
3	19:41:30	-0.187	M 105.600	M 105.400	TM 1450.000	108.686%	108.517%	M 104.400	M 105.100	M 104.700	M 105.100
	X	-0.180	M 108.800	M 108.500	TM 1490.000	106.705%	106.382%	M 106.200	M 107.100	M 107.100	M 107.600
	σ	0.009	M 2.734	M 2.715	TM 35.160	1.912%	2.250%	M 1.823	M 1.802	M 2.129	M 2.321
	%RSD	5.059	M 2.513	M 2.503	TM 2.360	1.792	2.115	M 1.716	M 1.683	M 1.988	M 2.157
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	19:39:20	M 110.000	89.883%	0.000	0.000						
2	19:40:25	M 108.500	92.313%	0.000	0.000						
3	19:41:30	M 105.500	93.227%	0.000	0.000						
	X	M 108.000	91.808%	0.000	0.000						
	σ	M 2.278	1.729%	0.000	0.000						
	%RSD	M 2.110	1.883	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:43:38	92.351%	M 115.300	M 193.700	M 198.000	0.000	TM 714500.000	TM 67200.000	TM 66800.000	574.500	T 0.000
2	19:44:43	91.965%	M 121.400	M 205.100	M 207.600	0.000	TM 739200.000	TM 71080.000	TM 70670.000	T 636.600	T 0.000
3	19:45:49	96.167%	M 110.600	M 189.100	M 196.000	0.000	TM 691800.000	TM 64740.000	TM 64350.000	553.300	T 0.000
X		93.495%	M 115.800	M 196.000	M 200.500	0.000	TM 715200.000	TM 67670.000	TM 67280.000	T 588.100	T 0.000
σ		2.322%	M 5.445	M 8.200	M 6.213	0.000	TM 23710.000	TM 3198.000	TM 3187.000	T 43.330	T 0.000
%RSD		2.484	M 4.703	M 4.185	M 3.098	0.000	TM 3.315	TM 4.726	TM 4.737	T 7.367	T 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:43:38	TM 9597.000	M 97210.000	TM 108700.000	0.000	4.875	M 126.400	M 118.900	M 120.700	88.000	TM 6968.000
2	19:44:43	TM 10010.000	M 102900.000	TM 115100.000	0.000	5.066	M 135.000	M 129.100	M 128.100	94.040	TM 7419.000
3	19:45:49	TM 9391.000	M 94790.000	TM 105900.000	0.000	4.656	M 123.800	M 117.000	M 116.700	88.590	TM 6762.000
X		TM 9667.000	M 98310.000	TM 109900.000	0.000	4.866	M 128.400	M 121.700	M 121.800	90.210	TM 7050.000
σ		TM 317.500	M 4181.000	TM 4723.000	0.000	0.205	M 5.844	M 6.498	M 5.768	3.329	TM 335.800
%RSD		TM 3.284	M 4.252	TM 4.298	0.000	4.215	M 4.551	M 5.341	M 4.735	3.690	TM 4.763
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:43:38	TM 118600.000	TM 130600.000	M 114.500	M 110.400	M 189.200	M 115.000	M 106.200	M 103.400	M 143.300	M 136.600
2	19:44:43	TM 126700.000	TM 139200.000	M 122.100	M 117.200	M 207.600	M 122.300	M 113.400	M 109.000	M 155.500	M 143.800
3	19:45:49	TM 114600.000	TM 126600.000	M 112.200	M 107.300	M 200.500	M 113.200	M 104.000	M 100.000	M 142.600	M 132.800
X		TM 119900.000	TM 132100.000	M 116.200	M 111.600	M 199.100	M 116.800	M 107.900	M 104.200	M 147.100	M 137.800
σ		TM 6192.000	TM 6447.000	M 5.171	M 5.035	M 9.283	M 4.853	M 4.908	M 4.539	M 7.270	M 5.591
%RSD		TM 5.162	TM 4.880	M 4.448	M 4.510	M 4.663	M 4.154	M 4.549	M 4.357	M 4.940	M 4.059
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:43:38	M 112.400	M 202.400	M 194.100	0.000	0.000	M 187.900	TM 804.900	120.734%	0.063	0.139
2	19:44:43	M 120.500	M 216.400	M 207.300	0.000	0.000	M 201.000	TM 868.600	116.533%	0.112	0.146
3	19:45:49	M 110.000	M 196.700	M 191.300	0.000	0.000	M 183.700	TM 786.300	123.379%	0.094	0.099
X		M 114.300	M 205.200	M 197.600	0.000	0.000	M 190.800	TM 819.900	120.215%	0.090	0.128
σ		M 5.535	M 10.170	M 8.542	0.000	0.000	M 9.021	TM 43.130	3.452%	0.025	0.025
%RSD		M 4.843	M 4.959	M 4.324	0.000	0.000	M 4.728	TM 5.261	2.872	27.560	19.550
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:43:38	0.158	104.798%	99.180	98.710	0.712	M 100.100	98.430	99.380	99.170	106.170%
2	19:44:43	0.227	100.985%	M 101.100	M 105.600	0.871	M 104.200	M 104.300	M 107.500	M 106.800	102.238%
3	19:45:49	0.157	107.745%	93.390	96.390	0.756	95.500	95.810	97.460	97.320	108.034%
X		0.181	104.509%	M 97.880	M 100.200	0.780	M 99.950	M 99.520	M 101.400	M 101.100	105.481%
σ		0.040	3.389%	M 4.007	M 4.804	0.082	M 4.366	M 4.351	M 5.315	M 5.025	2.959%
%RSD		22.230	3.243	M 4.093	M 4.792	10.560	M 4.368	M 4.372	M 5.240	M 4.971	2.805
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:43:38	-0.204	M 110.000	M 109.400	TM 1557.000	107.648%	106.235%	M 108.300	M 108.900	M 108.100	M 108.800
2	19:44:43	-0.192	M 119.100	M 118.300	TM 1670.000	103.287%	103.122%	M 115.600	M 116.200	M 116.300	M 115.900
3	19:45:49	-0.197	M 107.600	M 107.200	TM 1520.000	108.591%	109.079%	M 106.100	M 106.600	M 105.400	M 105.300
X		-0.198	M 112.200	M 111.600	TM 1582.000	106.509%	106.145%	M 110.000	M 110.600	M 109.900	M 110.000
σ		0.006	M 6.062	M 5.848	TM 78.080	2.829%	2.979%	M 4.970	M 5.004	M 5.654	M 5.390
%RSD		3.123	M 5.403	M 5.239	TM 4.936	2.657	2.807	M 4.517	M 4.525	M 5.143	M 4.900
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	19:43:38	M 108.900	90.869%	0.000	0.000						
2	19:44:43	M 116.600	88.520%	0.000	0.000						
3	19:45:49	M 106.600	93.110%	0.000	0.000						
X		M 110.700	90.833%	0.000	0.000						
σ		M 5.229	2.295%	0.000	0.000						
%RSD		M 4.723	2.527	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:47:57	93.631%	0.042	M 190.000	M 198.000	0.000	TM 705800.000	TM 65000.000	TM 64490.000	5.322	± 0.000
2	19:49:02	94.794%	-0.039	M 192.400	M 198.200	0.000	TM 703800.000	TM 65400.000	TM 64930.000	4.522	± 0.000
3	19:50:07	95.233%	-0.080	M 190.800	M 195.200	0.000	TM 701400.000	TM 65800.000	TM 65060.000	± 7.671	± 0.000
X		94.553%	-0.026	M 191.100	M 197.100	0.000	TM 703700.000	TM 65400.000	TM 64830.000	± 5.838	± 0.000
σ		0.828%	0.062	M 1.236	M 1.657	0.000	TM 2211.000	TM 398.300	TM 301.700	± 1.637	± 0.000
%RSD		0.875	241.000	M 0.647	M 0.840	0.000	TM 0.314	TM 0.609	TM 0.465	± 28.030	± 0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:47:57	TM 8905.000	M 94250.000	TM 105400.000	0.000	4.660	0.515	0.736	0.908	70.000	TM 6698.000
2	19:49:02	TM 8899.000	M 94730.000	TM 106100.000	0.000	4.568	0.613	0.648	1.104	65.510	TM 6743.000
3	19:50:07	TM 8941.000	M 95280.000	TM 106900.000	0.000	4.810	0.530	0.548	1.177	65.550	TM 6791.000
X		TM 8915.000	M 94750.000	TM 106100.000	0.000	4.679	0.552	0.644	1.063	67.020	TM 6744.000
σ		TM 22.550	M 516.100	TM 743.300	0.000	0.122	0.053	0.094	0.139	2.581	TM 46.320
%RSD		TM 0.253	M 0.545	TM 0.700	0.000	2.616	9.540	14.590	13.070	3.852	TM 0.687

Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:47:57	TM 115000.000	TM 126900.000	1.164	1.078	M 111.700	9.022	0.499	0.682	43.150	32.210
2	19:49:02	TM 116600.000	TM 128000.000	1.076	0.827	M 119.600	9.803	0.489	0.583	44.490	32.480
3	19:50:07	TM 116900.000	TM 127800.000	1.071	0.932	M 130.300	10.170	0.428	0.595	44.330	32.910
X		TM 116200.000	TM 127600.000	1.104	0.946	M 120.500	9.666	0.472	0.620	43.990	32.540
σ		TM 1043.000	TM 608.100	0.052	0.126	M 9.300	0.587	0.038	0.054	0.729	0.353
%RSD		TM 0.898	TM 0.477	4.727	13.330	M 7.716	6.074	8.068	8.709	1.658	1.086

Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:47:57	1.305	4.675	2.035	0.000	0.000	1.345	TM 790.000	120.916%	0.052	0.100
2	19:49:02	1.215	4.846	1.973	0.000	0.000	1.415	TM 798.500	121.813%	0.070	0.171
3	19:50:07	1.144	4.511	1.817	0.000	0.000	0.994	TM 803.800	121.176%	0.072	0.111
X		1.221	4.677	1.942	0.000	0.000	1.251	TM 797.400	121.302%	0.065	0.127
σ		0.080	0.168	0.112	0.000	0.000	0.226	TM 6.931	0.462%	0.011	0.038
%RSD		6.589	3.589	5.786	0.000	0.000	18.050	TM 0.869	0.381	17.410	30.040

Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:47:57	0.170	105.822%	-4.169	0.449	0.488	0.173	0.501	-0.233	-0.105	106.657%
2	19:49:02	0.171	106.054%	-4.405	0.352	0.501	0.147	0.396	-0.305	-0.196	107.967%
3	19:50:07	0.180	105.331%	-4.721	0.356	0.512	0.002	0.379	-0.336	-0.223	106.335%
X		0.174	105.736%	-4.431	0.385	0.500	0.107	0.425	-0.291	-0.174	106.986%
σ		0.005	0.369%	0.277	0.055	0.012	0.092	0.066	0.053	0.062	0.864%
%RSD		3.008	0.349	6.253	14.210	2.390	85.840	15.490	18.200	35.480	0.808

Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:47:57	-0.184	0.245	0.205	TM 1413.000	106.905%	106.029%	0.523	0.754	0.135	0.133
2	19:49:02	-0.184	0.132	0.100	TM 1424.000	107.158%	106.370%	0.437	0.645	0.032	0.029
3	19:50:07	-0.178	0.101	0.078	TM 1430.000	106.654%	106.521%	0.449	0.663	-0.004	0.001
X		-0.182	0.159	0.128	TM 1422.000	106.906%	106.307%	0.470	0.687	0.054	0.054
σ		0.003	0.076	0.068	TM 8.627	0.252%	0.252%	0.047	0.058	0.072	0.070
%RSD		1.919	47.440	53.230	TM 0.607	0.236	0.237	9.971	8.488	131.800	128.200

Run	Time	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb
1	19:47:57	0.190	90.538%	0.000	0.000
2	19:49:02	0.086	91.046%	0.000	0.000
3	19:50:07	0.056	91.679%	0.000	0.000
X		0.111	91.088%	0.000	0.000
σ		0.070	0.571%	0.000	0.000
%RSD		63.580	0.627	0.000	0.000

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:52:15	93.729%	-0.084	M 193.400	M 199.500	0.000	TM 718200.000	TM 65780.000	TM 65550.000	T 7.587	T 0.000
2	19:53:20	96.352%	-0.077	M 185.800	M 193.800	0.000	TM 698100.000	TM 63910.000	TM 63470.000	4.052	T 0.000
3	19:54:25	98.886%	-0.057	M 178.500	M 185.100	0.000	TM 663100.000	TM 60330.000	TM 59750.000	3.869	T 0.000
X		96.323%	-0.072	M 185.900	M 192.800	0.000	TM 693100.000	TM 63340.000	TM 62930.000	T 5.169	T 0.000
σ		2.578%	0.014	M 7.450	M 7.210	0.000	TM 27860.000	TM 2770.000	TM 2938.000	T 2.096	T 0.000
%RSD		2.677	19.270	M 4.007	M 3.740	0.000	TM 4.019	TM 4.374	TM 4.670	T 40.540	T 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:52:15	TM 8879.000	M 102000.000	TM 114500.000	0.000	5.029	0.390	0.469	0.446	68.340	TM 6831.000
2	19:53:20	TM 8682.000	M 98960.000	TM 111200.000	0.000	4.903	0.464	0.441	1.052	66.300	TM 6666.000
3	19:54:25	TM 8250.000	M 92670.000	TM 104200.000	0.000	4.552	0.390	0.395	0.493	64.720	TM 6236.000
X		TM 8604.000	M 97880.000	TM 110000.000	0.000	4.828	0.415	0.435	0.664	66.450	TM 6578.000
σ		TM 321.900	M 4757.000	TM 5286.000	0.000	0.247	0.043	0.037	0.337	1.817	TM 307.100
%RSD		TM 3.742	M 4.860	TM 4.807	0.000	5.122	10.360	8.575	50.760	2.734	TM 4.668
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:52:15	TM 119000.000	TM 131200.000	0.953	0.922	M 152.300	11.170	0.405	0.386	45.460	33.740
2	19:53:20	TM 116300.000	TM 127900.000	0.961	0.853	M 153.500	11.470	0.361	0.521	44.340	33.290
3	19:54:25	TM 108500.000	TM 119300.000	0.904	0.905	M 161.800	11.140	0.333	0.430	42.940	31.290
X		TM 114600.000	TM 126200.000	0.940	0.893	M 155.900	11.260	0.366	0.445	44.250	32.770
σ		TM 5470.000	TM 6118.000	0.031	0.036	M 5.200	0.184	0.036	0.069	1.262	1.305
%RSD		TM 4.773	TM 4.850	3.277	4.053	M 3.336	1.631	9.937	15.460	2.853	3.983
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:52:15	1.047	5.540	1.678	0.000	0.000	1.014	TM 830.200	120.493%	0.114	0.119
2	19:53:20	1.081	4.216	1.737	0.000	0.000	0.689	TM 809.300	123.407%	0.080	0.144
3	19:54:25	1.015	2.804	1.482	0.000	0.000	0.842	TM 754.300	127.750%	0.065	0.079
X		1.048	4.187	1.632	0.000	0.000	0.849	TM 797.900	123.883%	0.086	0.114
σ		0.033	1.368	0.133	0.000	0.000	0.163	TM 39.180	3.652%	0.025	0.033
%RSD		3.178	32.690	8.164	0.000	0.000	19.170	TM 4.910	2.948	29.180	28.540
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:52:15	0.147	104.604%	-4.583	0.333	0.501	-0.022	0.366	-0.338	-0.230	105.660%
2	19:53:20	0.167	107.124%	-4.592	0.326	0.500	-0.048	0.359	-0.344	-0.233	108.268%
3	19:54:25	0.136	111.013%	-4.891	0.322	0.521	-0.026	0.361	-0.361	-0.244	112.290%
X		0.150	107.580%	-4.689	0.327	0.507	-0.032	0.362	-0.348	-0.236	108.739%
σ		0.015	3.229%	0.175	0.006	0.012	0.014	0.003	0.012	0.007	3.340%
%RSD		10.260	3.001	3.737	1.742	2.300	43.190	0.953	3.346	3.030	3.071
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:52:15	-0.208	-0.015	-0.038	TM 1494.000	105.592%	105.538%	0.108	0.351	-0.013	-0.011
2	19:53:20	-0.205	-0.014	-0.041	TM 1451.000	108.215%	107.441%	0.094	0.334	-0.017	-0.014
3	19:54:25	-0.210	-0.025	-0.050	TM 1352.000	112.320%	111.556%	0.089	0.313	-0.017	-0.018
X		-0.208	-0.018	-0.043	TM 1432.000	108.709%	108.179%	0.097	0.333	-0.015	-0.014
σ		0.002	0.006	0.006	TM 73.070	3.391%	3.076%	0.010	0.019	0.002	0.004
%RSD		1.056	34.890	14.600	TM 5.101	3.119	2.844	9.860	5.691	14.830	26.210
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	19:52:15	0.048	90.499%	0.000	0.000						
2	19:53:20	0.043	91.759%	0.000	0.000						
3	19:54:25	0.043	95.648%	0.000	0.000						
X		0.045	92.636%	0.000	0.000						
σ		0.003	2.684%	0.000	0.000						
%RSD		6.147	2.897	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:56:35	108.711%	52.590	56.510	56.960	0.000	<u>M 1773.000</u>	548.700	547.000	<u>T 520.700</u>	<u>T 0.000</u>
2	19:57:40	110.907%	50.140	52.250	52.630	0.000	<u>M 1145.000</u>	480.500	485.000	<u>T 482.300</u>	<u>T 0.000</u>
3	19:58:45	108.582%	51.630	54.230	53.630	0.000	<u>T 838.800</u>	475.400	475.400	478.700	<u>T 0.000</u>
X		<u>109.400%</u>	<u>51.450</u>	<u>54.330</u>	<u>54.410</u>	<u>0.000</u>	<u>M 1253.000</u>	<u>501.600</u>	<u>502.500</u>	<u>T 493.900</u>	<u>T 0.000</u>
σ		1.307%	1.234	2.132	2.266	0.000	<u>M 476.300</u>	40.930	38.840	<u>T 23.310</u>	<u>T 0.000</u>
%RSD		1.194	2.398	3.924	4.165	0.000	<u>M 38.030</u>	8.161	7.729	<u>T 4.719</u>	<u>T 0.000</u>
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:56:35	484.100	621.500	614.100	122.525%	51.480	52.460	51.930	52.070	123.300	60.120
2	19:57:40	455.900	524.800	514.300	124.599%	48.190	49.020	48.270	49.390	128.500	52.640
3	19:58:45	458.300	512.100	489.000	121.884%	49.840	50.430	49.780	51.730	136.600	51.440
X		<u>466.100</u>	<u>552.800</u>	<u>539.100</u>	<u>123.003%</u>	<u>49.840</u>	<u>50.640</u>	<u>49.990</u>	<u>51.070</u>	<u>129.400</u>	<u>54.730</u>
σ		15.640	59.850	66.120	1.419%	1.646	1.731	1.839	1.462	6.694	4.703
%RSD		3.355	10.830	12.260	1.154	3.302	3.419	3.679	2.863	5.172	8.593
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:56:35	<u>T 706.500</u>	695.700	52.530	53.550	<u>M 169.000</u>	56.970	52.030	51.620	51.520	51.960
2	19:57:40	<u>T 574.600</u>	569.800	48.810	49.840	<u>M 146.600</u>	52.730	48.560	47.390	47.550	47.680
3	19:58:45	<u>T 541.700</u>	532.500	50.610	51.070	<u>M 138.800</u>	53.650	50.030	49.550	49.520	50.330
X		<u>T 607.600</u>	<u>599.300</u>	<u>50.650</u>	<u>51.490</u>	<u>M 151.500</u>	<u>54.450</u>	<u>50.210</u>	<u>49.520</u>	<u>49.530</u>	<u>49.990</u>
σ		<u>T 87.180</u>	<u>85.520</u>	<u>1.860</u>	<u>1.894</u>	<u>M 15.680</u>	<u>2.230</u>	<u>1.746</u>	<u>2.120</u>	<u>1.985</u>	<u>2.159</u>
%RSD		<u>T 14.350</u>	<u>14.270</u>	<u>3.673</u>	<u>3.678</u>	<u>M 10.350</u>	<u>4.096</u>	<u>3.477</u>	<u>4.280</u>	<u>4.007</u>	<u>4.320</u>
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:56:35	53.040	47.660	53.860	0.000	0.000	52.180	52.480	120.183%	51.570	51.440
2	19:57:40	49.480	44.410	50.320	0.000	0.000	49.570	48.340	123.075%	47.740	47.070
3	19:58:45	51.430	47.090	51.670	0.000	0.000	50.400	50.300	118.512%	50.220	50.370
X		<u>51.320</u>	<u>46.390</u>	<u>51.950</u>	<u>0.000</u>	<u>0.000</u>	<u>50.710</u>	<u>50.370</u>	<u>120.590%</u>	<u>49.850</u>	<u>49.630</u>
σ		1.783	1.738	1.789	0.000	0.000	1.336	2.071	2.309%	1.941	2.277
%RSD		3.475	3.746	3.444	0.000	0.000	2.634	4.111	1.914	3.894	4.588
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:56:35	51.810	114.905%	50.300	50.720	0.409	50.230	50.370	50.990	50.810	112.941%
2	19:57:40	48.160	118.647%	46.810	47.310	0.414	47.050	47.250	47.480	47.280	116.439%
3	19:58:45	50.470	113.630%	49.500	49.320	0.385	49.090	49.150	49.470	49.370	112.479%
X		<u>50.150</u>	<u>115.727%</u>	<u>48.870</u>	<u>49.120</u>	<u>0.403</u>	<u>48.790</u>	<u>48.920</u>	<u>49.310</u>	<u>49.150</u>	<u>113.953%</u>
σ		1.843	2.608%	1.825	1.713	0.016	1.614	1.573	1.759	1.774	2.165%
%RSD		3.675	2.253	3.734	3.487	3.876	3.307	3.216	3.567	3.610	1.900
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:56:35	50.970	50.280	50.560	54.870	108.336%	107.649%	51.490	50.620	51.720	51.590
2	19:57:40	47.610	47.100	47.150	49.810	111.127%	110.077%	48.940	48.190	47.810	48.580
3	19:58:45	49.750	49.620	49.590	51.550	107.665%	106.538%	50.670	50.330	50.490	50.170
X		<u>49.440</u>	<u>49.000</u>	<u>49.100</u>	<u>52.070</u>	<u>109.042%</u>	<u>108.088%</u>	<u>50.370</u>	<u>49.710</u>	<u>50.000</u>	<u>50.110</u>
σ		1.703	1.681	1.760	2.570	1.836%	1.810%	1.300	1.328	2.000	1.506
%RSD		3.443	3.430	3.585	4.935	1.684	1.674	2.581	2.671	4.001	3.006
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	19:56:35	51.330	103.323%	0.000	0.000						
2	19:57:40	48.220	106.752%	0.000	0.000						
3	19:58:45	50.430	103.080%	0.000	0.000						
X		<u>49.990</u>	<u>104.385%</u>	<u>0.000</u>	<u>0.000</u>						
σ		1.598	2.054%	0.000	0.000						
%RSD		3.197	1.967	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:00:53	103.210%	-0.002	3.615	4.121	0.000	198.200	9.007	9.075	3.486	±0.000
2	20:01:58	104.734%	-0.133	3.144	3.346	0.000	149.700	2.911	3.469	2.260	±0.000
3	20:03:03	103.841%	-0.133	2.083	2.733	0.000	127.800	2.388	3.107	2.107	±0.000
x		103.928%	-0.089	2.948	3.400	0.000	158.600	4.768	5.217	2.618	±0.000
σ		0.766%	0.076	0.785	0.696	0.000	36.030	3.680	3.346	0.756	±0.000
%RSD		0.737	84.730	26.620	20.450	0.000	22.720	77.170	64.140	28.870	±0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:00:53	-2.510	-8.961	-4.826	113.987%	-0.300	-0.025	0.130	-0.749	148.700	0.756
2	20:01:58	-1.021	-17.510	-11.810	116.843%	-0.501	-0.206	0.029	0.628	167.200	0.118
3	20:03:03	-1.502	-17.740	-13.440	116.565%	-0.501	-0.241	0.063	0.323	174.100	0.097
x		-1.678	-14.740	-10.030	115.799%	-0.434	-0.158	0.074	0.067	163.300	0.324
σ		0.760	5.004	4.577	1.575%	0.116	0.116	0.051	0.723	13.140	0.375
%RSD		45.290	33.950	45.650	1.360	26.680	73.690	69.360	1076.000	8.047	115.700
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:00:53	±44.660	29.200	0.062	0.205	71.270	2.896	-0.181	-0.439	-0.202	-0.387
2	20:01:58	13.130	16.980	-0.076	0.097	63.680	2.482	-0.329	-0.521	-0.275	-0.583
3	20:03:03	10.660	14.380	-0.081	-0.008	53.880	2.051	-0.324	-0.535	-0.278	-0.646
x		±22.820	20.190	-0.032	0.098	62.940	2.476	-0.278	-0.498	-0.252	-0.539
σ		±18.960	7.911	0.081	0.106	8.717	0.423	0.084	0.052	0.043	0.135
%RSD		±83.080	39.190	255.400	108.700	13.850	17.080	30.240	10.410	17.220	25.050
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:00:53	-0.112	-4.162	1.271	0.000	0.000	-0.342	0.118	111.541%	-0.072	0.005
2	20:01:58	-0.181	-3.048	0.915	0.000	0.000	-0.524	-0.106	112.514%	-0.189	-0.132
3	20:03:03	-0.250	-2.968	0.751	0.000	0.000	-0.543	-0.136	114.083%	-0.226	-0.177
x		-0.181	-3.393	0.979	0.000	0.000	-0.469	-0.042	112.712%	-0.163	-0.102
σ		0.069	0.667	0.266	0.000	0.000	0.111	0.139	1.283%	0.081	0.095
%RSD		38.290	19.670	27.130	0.000	0.000	23.660	333.700	1.138	49.590	93.360
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:00:53	0.062	107.679%	0.663	0.456	0.172	0.122	0.476	0.092	0.103	105.963%
2	20:01:58	-0.070	110.376%	0.131	0.355	0.193	-0.072	0.378	-0.053	-0.034	106.396%
3	20:03:03	-0.105	111.033%	-0.125	0.333	0.208	-0.096	0.370	-0.072	-0.044	107.839%
x		-0.038	109.696%	0.223	0.381	0.191	-0.015	0.408	-0.011	0.008	106.733%
σ		0.088	1.777%	0.402	0.065	0.018	0.120	0.059	0.089	0.082	0.982%
%RSD		233.800	1.620	180.100	17.140	9.663	777.800	14.400	798.300	1010.000	0.920
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:00:53	-0.011	0.863	0.799	0.320	100.798%	99.560%	0.217	0.454	0.156	0.174
2	20:01:58	-0.149	0.502	0.461	0.039	102.232%	102.080%	0.102	0.345	0.004	0.017
3	20:03:03	-0.155	0.376	0.313	-0.048	103.618%	102.354%	0.106	0.334	-0.022	-0.021
x		-0.105	0.580	0.525	0.104	102.216%	101.331%	0.142	0.378	0.046	0.057
σ		0.082	0.253	0.249	0.193	1.410%	1.540%	0.065	0.066	0.096	0.104
%RSD		77.890	43.580	47.520	185.300	1.379	1.520	45.910	17.560	208.900	182.100
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	20:00:53	0.220	96.660%	0.000	0.000						
2	20:01:58	0.068	99.970%	0.000	0.000						
3	20:03:03	0.040	100.121%	0.000	0.000						
x		0.109	98.917%	0.000	0.000						
σ		0.097	1.956%	0.000	0.000						
%RSD		88.740	1.977	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:05:12	91.276%	-0.139	M 120.800	M 119.300	0.000	TM 39240.000	M 4568.000	M 4581.000	34.340	± 0.000
2	20:06:18	96.225%	-0.113	M 115.800	M 118.500	0.000	TM 37490.000	M 4339.000	M 4344.000	32.130	± 0.000
3	20:07:22	97.820%	-0.122	M 117.000	M 114.100	0.000	TM 36960.000	M 4288.000	M 4311.000	31.120	± 0.000
X		95.107%	-0.125	M 117.800	M 117.300	0.000	TM 37900.000	M 4398.000	M 4412.000	32.530	± 0.000
σ		3.412%	0.013	M 2.596	M 2.804	0.000	TM 1196.000	M 149.000	M 147.600	1.649	± 0.000
%RSD		3.588	10.620	M 2.203	M 2.390	0.000	TM 3.155	M 3.388	M 3.344	5.070	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:05:12	TM 5701.000	M 42690.000	TM 48320.000	100.421%	-0.185	2.811	0.084	0.389	113.300	6.553
2	20:06:18	TM 5541.000	M 40830.000	TM 46330.000	105.266%	-0.198	2.652	0.005	0.908	130.700	6.243
3	20:07:22	TM 5448.000	M 39860.000	TM 45230.000	108.569%	-0.185	2.395	0.036	0.972	157.100	6.149
X		TM 5563.000	M 41120.000	TM 46620.000	104.752%	-0.189	2.619	0.042	0.756	133.700	6.315
σ		TM 127.900	M 1439.000	TM 1571.000	4.098%	0.007	0.210	0.040	0.319	22.070	0.211
%RSD		TM 2.299	M 3.500	TM 3.368	3.913	3.933	7.998	95.040	42.220	16.500	3.342
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:05:12	62.120	132.700	-0.267	1.389	48.280	3.452	1.288	37.570	37.460	38.550
2	20:06:18	52.490	119.200	-0.275	1.376	41.880	3.020	1.312	35.220	35.620	36.420
3	20:07:22	50.770	113.800	-0.274	1.298	33.720	2.764	1.206	34.940	35.710	35.610
X		55.130	121.900	-0.272	1.354	41.300	3.079	1.269	35.910	36.260	36.860
σ		6.116	9.750	0.005	0.049	7.298	0.348	0.056	1.443	1.039	1.520
%RSD		11.090	7.999	1.665	3.645	17.670	11.300	4.416	4.018	2.866	4.123
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:05:12	0.221	-3.931	0.875	0.000	0.000	-0.228	TM 402.200	98.941%	2.474	2.664
2	20:06:18	0.362	-4.327	0.587	0.000	0.000	-0.165	TM 378.700	104.365%	2.449	2.490
3	20:07:22	0.133	-1.627	0.630	0.000	0.000	-0.260	TM 370.600	107.311%	2.413	2.397
X		0.239	-3.295	0.697	0.000	0.000	-0.217	TM 383.800	103.539%	2.445	2.517
σ		0.115	1.458	0.156	0.000	0.000	0.048	TM 16.410	4.246%	0.031	0.136
%RSD		48.240	44.240	22.300	0.000	0.000	22.280	TM 4.277	4.100	1.258	5.393
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:05:12	2.669	93.261%	-2.288	0.328	0.368	0.208	0.370	-0.128	-0.088	94.522%
2	20:06:18	2.469	97.817%	-2.044	0.322	0.353	0.220	0.360	-0.147	-0.084	99.367%
3	20:07:22	2.450	101.209%	-1.970	0.328	0.341	0.108	0.366	-0.121	-0.080	102.143%
X		2.529	97.429%	-2.100	0.326	0.354	0.179	0.365	-0.132	-0.084	98.677%
σ		0.122	3.988%	0.167	0.003	0.014	0.061	0.005	0.013	0.004	3.857%
%RSD		4.803	4.093	7.928	0.971	3.869	34.380	1.444	10.050	4.690	3.909
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:05:12	-0.158	0.481	0.410	70.500	94.538%	94.366%	0.062	0.300	0.140	0.139
2	20:06:18	-0.167	0.397	0.335	67.900	98.248%	98.728%	0.053	0.292	0.149	0.126
3	20:07:22	-0.162	0.344	0.305	64.620	101.312%	100.634%	0.049	0.289	0.141	0.124
X		-0.163	0.407	0.350	67.670	98.033%	97.909%	0.055	0.293	0.144	0.130
σ		0.004	0.069	0.054	2.950	3.392%	3.213%	0.006	0.006	0.005	0.008
%RSD		2.731	16.990	15.390	4.359	3.460	3.281	11.740	2.032	3.568	6.345
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	20:05:12	0.203	89.886%	0.000	0.000						
2	20:06:18	0.195	93.589%	0.000	0.000						
3	20:07:22	0.192	95.598%	0.000	0.000						
X		0.197	93.024%	0.000	0.000						
σ		0.005	2.898%	0.000	0.000						
%RSD		2.720	3.115	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:09:30	97.923%	-0.136	M 119.700	M 118.500	0.000	TM 37770.000	M 4367.000	M 4375.000	29.050	± 0.000
2	20:10:35	99.598%	-0.132	M 117.200	M 117.600	0.000	TM 37490.000	M 4345.000	M 4354.000	28.770	± 0.000
3	20:11:40	100.818%	-0.123	M 113.400	M 117.400	0.000	TM 36870.000	M 4262.000	M 4278.000	28.130	± 0.000
X		99.446%	-0.130	M 116.800	M 117.800	0.000	TM 37380.000	M 4325.000	M 4336.000	28.650	± 0.000
σ		1.454%	0.006	M 3.154	M 0.577	0.000	TM 460.100	M 55.410	M 51.130	0.474	± 0.000
%RSD		1.462	4.829	M 2.701	M 0.490	0.000	TM 1.231	M 1.281	M 1.179	1.654	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:09:30	TM 5532.000	M 40390.000	TM 45740.000	112.574%	-0.333	2.699	0.062	0.614	183.000	6.126
2	20:10:35	TM 5550.000	M 40360.000	TM 45560.000	113.328%	-0.383	2.307	0.021	0.853	205.500	6.027
3	20:11:40	TM 5476.000	M 39710.000	TM 44960.000	113.040%	-0.407	2.312	-0.013	0.943	218.500	5.960
X		TM 5519.000	M 40160.000	TM 45420.000	112.980%	-0.375	2.439	0.023	0.804	202.300	6.038
σ		TM 38.360	M 383.600	TM 407.600	0.380%	0.038	0.225	0.038	0.170	17.920	0.084
%RSD		TM 0.695	M 0.955	TM 0.897	0.337	10.060	9.206	160.300	21.160	8.858	1.389
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:09:30	40.300	104.200	-0.277	1.432	27.190	2.415	1.307	36.180	36.780	37.090
2	20:10:35	39.550	100.600	-0.274	1.251	24.500	2.328	1.226	35.710	36.680	37.010
3	20:11:40	37.290	99.770	-0.276	1.254	21.020	2.216	1.175	35.770	37.170	36.420
X		39.040	101.500	-0.276	1.312	24.240	2.320	1.236	35.890	36.880	36.840
σ		1.569	2.334	0.001	0.104	3.097	0.100	0.066	0.256	0.259	0.368
%RSD		4.019	2.299	0.533	7.900	12.780	4.306	5.379	0.712	0.703	1.000
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:09:30	0.190	0.862	0.677	0.000	0.000	-0.144	TM 378.300	109.534%	2.392	2.477
2	20:10:35	0.293	1.446	0.462	0.000	0.000	-0.132	TM 375.700	110.574%	2.423	2.387
3	20:11:40	0.286	3.295	0.543	0.000	0.000	-0.059	TM 372.700	109.276%	2.364	2.303
X		0.256	1.868	0.561	0.000	0.000	-0.112	TM 375.500	109.795%	2.393	2.389
σ		0.058	1.270	0.109	0.000	0.000	0.046	TM 2.778	0.687%	0.029	0.087
%RSD		22.590	68.010	19.390	0.000	0.000	41.500	TM 0.740	0.626	1.227	3.640
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:09:30	2.520	102.985%	-1.670	0.323	0.310	-0.046	0.363	-0.115	-0.052	104.560%
2	20:10:35	2.474	103.993%	-1.032	0.313	0.274	0.028	0.360	-0.085	-0.022	105.278%
3	20:11:40	2.589	103.161%	-2.410	0.323	0.360	-0.021	0.355	-0.129	-0.083	105.330%
X		2.528	103.380%	-1.704	0.320	0.315	-0.013	0.360	-0.110	-0.052	105.056%
σ		0.058	0.538%	0.690	0.006	0.043	0.038	0.004	0.022	0.030	0.430%
%RSD		2.289	0.521	40.470	1.797	13.630	287.000	1.069	20.150	58.030	0.410
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:09:30	-0.162	0.258	0.209	66.940	103.488%	103.381%	0.040	0.279	0.127	0.139
2	20:10:35	-0.185	0.245	0.198	66.700	103.997%	104.003%	0.042	0.278	0.127	0.118
3	20:11:40	-0.176	0.253	0.202	65.450	104.178%	104.143%	0.039	0.277	0.129	0.128
X		-0.174	0.252	0.203	66.360	103.888%	103.842%	0.040	0.278	0.128	0.128
σ		0.012	0.007	0.005	0.801	0.358%	0.405%	0.001	0.001	0.001	0.010
%RSD		6.833	2.654	2.586	1.207	0.345	0.390	3.277	0.239	0.632	8.113
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	20:09:30	0.186	96.844%	0.000	0.000						
2	20:10:35	0.180	98.234%	0.000	0.000						
3	20:11:40	0.180	97.013%	0.000	0.000						
X		0.182	97.364%	0.000	0.000						
σ		0.003	0.758%	0.000	0.000						
%RSD		1.892	0.779	0.000	0.000						

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t74672-37f 5/7/2011 20:12:43

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:13:48	99.710%	-0.110	M 114.300	M 114.900	0.000	TM 36950.000	M 4270.000	M 4302.000	27.870	± 0.000
2	20:14:53	97.272%	-0.153	M 117.300	M 119.500	0.000	TM 37760.000	M 4387.000	M 4408.000	28.600	± 0.000
3	20:15:58	97.143%	-0.127	M 117.800	M 117.400	0.000	TM 37170.000	M 4312.000	M 4351.000	28.060	± 0.000
X		98.041%	-0.130	M 116.400	M 117.300	0.000	TM 37290.000	M 4323.000	M 4354.000	28.170	± 0.000
σ		1.446%	0.022	M 1.887	M 2.279	0.000	TM 416.800	M 59.210	M 52.710	0.380	± 0.000
%RSD		1.475	16.920	M 1.620	M 1.943	0.000	TM 1.118	M 1.370	M 1.211	1.347	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:13:48	TM 5471.000	M 40460.000	TM 45700.000	108.312%	-0.411	2.193	0.085	-0.500	251.000	6.091
2	20:14:53	TM 5551.000	M 41230.000	TM 46520.000	105.913%	-0.446	2.432	0.099	-0.136	257.400	6.120
3	20:15:58	TM 5476.000	M 40540.000	TM 45700.000	105.984%	-0.388	2.480	0.089	0.222	265.200	6.026
X		TM 5499.000	M 40740.000	TM 45970.000	106.736%	-0.415	2.368	0.091	-0.138	257.900	6.079
σ		TM 44.730	M 422.400	TM 470.800	1.365%	0.029	0.154	0.007	0.361	7.145	0.048
%RSD		TM 0.813	M 1.037	TM 1.024	1.279	7.064	6.485	7.932	261.900	2.771	0.786
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:13:48	35.630	98.200	-0.280	1.081	17.480	1.912	1.112	34.920	36.010	35.570
2	20:14:53	37.060	100.100	-0.283	1.219	16.750	1.852	1.095	35.330	36.640	36.200
3	20:15:58	35.050	99.300	-0.287	1.297	15.510	1.835	1.063	34.800	36.500	36.700
X		35.910	99.200	-0.283	1.199	16.580	1.866	1.090	35.020	36.380	36.160
σ		1.034	0.954	0.004	0.109	0.998	0.041	0.025	0.276	0.332	0.565
%RSD		2.878	0.962	1.302	9.113	6.018	2.178	2.280	0.788	0.914	1.561
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:13:48	0.112	6.439	0.355	0.000	0.000	-0.153	TM 377.000	106.038%	2.486	2.471
2	20:14:53	0.311	7.077	0.344	0.000	0.000	-0.068	TM 379.700	104.919%	2.508	2.371
3	20:15:58	0.211	8.687	0.382	0.000	0.000	-0.122	TM 382.600	102.416%	2.484	2.466
X		0.211	7.401	0.360	0.000	0.000	-0.114	TM 379.800	104.458%	2.493	2.436
σ		0.100	1.159	0.019	0.000	0.000	0.043	TM 2.775	1.855%	0.014	0.056
%RSD		47.200	15.660	5.392	0.000	0.000	37.700	TM 0.731	1.775	0.544	2.318
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:13:48	2.481	100.777%	-1.890	0.315	0.341	0.186	0.360	-0.119	-0.076	101.698%
2	20:14:53	2.605	99.100%	-1.630	0.321	0.322	0.164	0.358	-0.135	-0.068	100.331%
3	20:15:58	2.501	97.848%	-1.705	0.312	0.316	0.009	0.362	-0.116	-0.076	99.513%
X		2.529	99.242%	-1.742	0.316	0.327	0.120	0.360	-0.123	-0.074	100.514%
σ		0.067	1.470%	0.134	0.005	0.013	0.096	0.002	0.010	0.005	1.104%
%RSD		2.632	1.481	7.696	1.444	3.935	80.470	0.471	8.145	6.687	1.099
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:13:48	-0.194	0.223	0.188	66.750	101.423%	100.870%	0.044	0.274	0.127	0.108
2	20:14:53	-0.187	0.243	0.196	66.930	100.080%	99.499%	0.034	0.274	0.125	0.111
3	20:15:58	-0.197	0.215	0.152	67.610	99.867%	99.445%	0.027	0.274	0.125	0.131
X		-0.193	0.227	0.179	67.100	100.457%	99.938%	0.035	0.274	0.126	0.117
σ		0.005	0.014	0.023	0.452	0.843%	0.807%	0.009	0.000	0.001	0.012
%RSD		2.627	6.216	12.860	0.674	0.840	0.808	24.420	0.145	0.682	10.610
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	20:13:48	0.174	95.307%	0.000	0.000						
2	20:14:53	0.176	94.066%	0.000	0.000						
3	20:15:58	0.183	93.837%	0.000	0.000						
X		0.178	94.403%	0.000	0.000						
σ		0.005	0.791%	0.000	0.000						
%RSD		2.789	0.838	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:18:06	97.864%	-0.145	M 115.300	M 118.300	0.000	TM 36830.000	M 4265.000	M 4268.000	28.210	± 0.000
2	20:19:11	98.398%	-0.149	M 113.300	M 116.100	0.000	TM 36780.000	M 4250.000	M 4272.000	28.340	± 0.000
3	20:20:16	95.576%	-0.140	M 120.900	M 119.100	0.000	TM 37390.000	M 4325.000	M 4339.000	28.710	± 0.000
X		97.280%	-0.144	M 116.500	M 117.800	0.000	TM 37000.000	M 4280.000	M 4293.000	28.420	± 0.000
σ		1.499%	0.005	M 3.974	M 1.562	0.000	TM 340.300	M 39.670	M 40.130	0.260	± 0.000
%RSD		1.541	3.249	M 3.411	M 1.326	0.000	TM 0.920	M 0.927	M 0.935	0.913	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:18:06	TM 5464.000	M 39900.000	TM 45340.000	103.495%	-0.356	2.638	0.132	1.405	275.300	6.026
2	20:19:11	TM 5441.000	M 40010.000	TM 45520.000	102.521%	-0.347	2.513	0.086	1.140	288.100	6.016
3	20:20:16	TM 5494.000	M 40390.000	TM 45770.000	101.325%	-0.338	2.878	0.128	1.234	288.400	6.104
X		TM 5466.000	M 40100.000	TM 45540.000	102.447%	-0.347	2.676	0.115	1.260	283.900	6.049
σ		TM 26.690	M 255.800	TM 214.100	1.087%	0.009	0.186	0.025	0.135	7.486	0.048
%RSD		TM 0.488	M 0.638	TM 0.470	1.061	2.693	6.943	21.920	10.690	2.637	0.797
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:18:06	33.790	96.530	-0.278	1.114	14.990	2.795	1.935	34.960	35.250	36.090
2	20:19:11	33.360	96.490	-0.287	1.133	14.040	2.679	1.951	34.740	35.180	36.260
3	20:20:16	34.240	96.570	-0.269	1.117	12.950	2.746	2.092	35.250	37.400	35.860
X		33.800	96.530	-0.278	1.121	13.990	2.740	1.993	34.980	35.940	36.070
σ		0.443	0.041	0.009	0.010	1.018	0.058	0.086	0.252	1.266	0.198
%RSD		1.311	0.042	3.123	0.892	7.274	2.125	4.320	0.719	3.522	0.548
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:18:06	0.383	9.284	0.081	0.000	0.000	-0.046	TM 376.800	101.907%	2.427	2.512
2	20:19:11	0.248	10.620	0.144	0.000	0.000	-0.209	TM 378.800	100.651%	2.523	2.541
3	20:20:16	0.201	12.140	0.128	0.000	0.000	-0.113	TM 380.500	100.431%	2.374	2.443
X		0.277	10.680	0.117	0.000	0.000	-0.122	TM 378.700	100.996%	2.441	2.499
σ		0.094	1.430	0.033	0.000	0.000	0.082	TM 1.856	0.796%	0.076	0.050
%RSD		33.960	13.390	27.990	0.000	0.000	67.070	TM 0.490	0.788	3.098	2.013
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:18:06	2.534	97.126%	-1.911	0.324	0.326	-0.043	0.356	-0.132	-0.073	98.641%
2	20:19:11	2.496	95.568%	-0.476	0.319	0.231	-0.069	0.359	-0.020	0.018	98.444%
3	20:20:16	2.507	94.110%	-1.836	0.332	0.326	0.040	0.357	-0.108	-0.057	96.663%
X		2.512	95.601%	-1.408	0.325	0.294	-0.024	0.357	-0.087	-0.037	97.916%
σ		0.019	1.509%	0.808	0.007	0.055	0.057	0.001	0.059	0.048	1.089%
%RSD		0.768	1.578	57.390	2.070	18.740	237.700	0.368	68.150	130.100	1.113
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:18:06	-0.193	0.254	0.182	65.440	99.333%	99.416%	0.034	0.275	0.139	0.107
2	20:19:11	-0.187	0.257	0.201	66.090	97.779%	97.443%	0.037	0.273	0.129	0.120
3	20:20:16	-0.190	0.241	0.225	67.120	98.255%	98.432%	0.033	0.274	0.125	0.132
X		-0.190	0.251	0.203	66.220	98.456%	98.430%	0.034	0.274	0.131	0.120
σ		0.003	0.009	0.022	0.845	0.796%	0.987%	0.002	0.001	0.007	0.013
%RSD		1.529	3.434	10.630	1.276	0.809	1.003	5.882	0.342	5.380	10.490
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	20:18:06	0.182	94.344%	0.000	0.000						
2	20:19:11	0.182	93.584%	0.000	0.000						
3	20:20:16	0.184	92.462%	0.000	0.000						
X		0.183	93.463%	0.000	0.000						
σ		0.001	0.946%	0.000	0.000						
%RSD		0.702	1.013	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:22:24	82.490%	-0.080	M 175.400	M 179.700	0.000	TM 604100.000	TM 53090.000	TM 52260.000	3.617	± 0.000
2	20:23:29	81.953%	-0.075	M 186.500	M 190.300	0.000	TM 627300.000	TM 55590.000	TM 54670.000	3.425	± 0.000
3	20:24:34	86.754%	-0.044	M 175.200	M 180.200	0.000	TM 598200.000	TM 52900.000	TM 52140.000	3.500	± 0.000
X		83.732%	-0.066	M 179.000	M 183.400	0.000	TM 609900.000	TM 53860.000	TM 53020.000	3.514	± 0.000
σ		2.631%	0.019	M 6.466	M 5.959	0.000	TM 15400.000	TM 1502.000	TM 1426.000	0.097	± 0.000
%RSD		3.142	28.850	M 3.611	M 3.250	0.000	TM 2.525	TM 2.790	TM 2.689	2.755	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:22:24	TM 6119.000	M 77630.000	TM 86290.000	119.260%	2.851	0.237	0.027	0.270	54.470	TM 4944.000
2	20:23:29	TM 6334.000	M 80360.000	TM 88880.000	122.883%	3.014	0.411	0.091	0.729	48.330	TM 5140.000
3	20:24:34	TM 6112.000	M 77480.000	TM 86080.000	125.953%	2.857	0.280	0.039	0.743	49.410	TM 4957.000
X		TM 6188.000	M 78490.000	TM 87080.000	122.699%	2.907	0.309	0.053	0.581	50.740	TM 5014.000
σ		TM 126.600	M 1620.000	TM 1561.000	3.350%	0.092	0.091	0.034	0.269	3.277	TM 109.400
%RSD		TM 2.046	M 2.064	TM 1.793	2.730	3.169	29.260	64.630	46.370	6.459	TM 2.182
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:22:24	TM 87520.000	TM 97410.000	0.562	0.239	24.960	4.122	0.264	0.146	33.040	25.290
2	20:23:29	TM 91860.000	TM 102100.000	0.612	0.227	25.090	4.212	0.293	0.144	35.470	26.770
3	20:24:34	TM 88810.000	TM 98770.000	0.556	0.200	27.200	4.176	0.244	0.170	34.820	26.330
X		TM 89390.000	TM 99430.000	0.577	0.222	25.750	4.170	0.267	0.153	34.440	26.130
σ		TM 2225.000	TM 2413.000	0.031	0.020	1.257	0.045	0.025	0.014	1.259	0.759
%RSD		TM 2.489	TM 2.427	5.322	9.040	4.881	1.081	9.306	9.454	3.655	2.904
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:22:24	0.976	-1.270	0.231	0.000	0.000	1.658	TM 816.700	101.941%	0.066	0.089
2	20:23:29	0.976	-0.030	0.579	0.000	0.000	1.883	TM 859.800	101.902%	0.118	0.107
3	20:24:34	0.958	-1.284	0.207	0.000	0.000	1.709	TM 818.600	106.058%	0.062	0.140
X		0.970	-0.861	0.339	0.000	0.000	1.750	TM 831.700	103.300%	0.082	0.112
σ		0.010	0.720	0.208	0.000	0.000	0.118	TM 24.360	2.389%	0.031	0.026
%RSD		1.078	83.580	61.470	0.000	0.000	6.749	TM 2.929	2.312	38.150	23.350
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:22:24	0.130	90.228%	-3.468	0.321	0.432	0.046	0.358	-0.278	-0.187	93.378%
2	20:23:29	0.163	90.342%	-3.485	0.318	0.440	0.132	0.355	-0.288	-0.192	92.268%
3	20:24:34	0.150	93.148%	-4.313	0.327	0.492	0.124	0.352	-0.337	-0.225	95.949%
X		0.148	91.239%	-3.755	0.322	0.455	0.100	0.355	-0.301	-0.202	93.865%
σ		0.016	1.654%	0.483	0.005	0.033	0.048	0.003	0.032	0.020	1.889%
%RSD		11.140	1.813	12.870	1.430	7.221	47.400	0.783	10.480	10.150	2.012
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:22:24	-0.206	-0.024	-0.058	TM 1456.000	97.051%	97.950%	0.020	0.260	-0.026	-0.028
2	20:23:29	-0.193	-0.023	-0.068	TM 1526.000	96.363%	96.685%	0.022	0.259	-0.024	-0.024
3	20:24:34	-0.193	-0.027	-0.073	TM 1468.000	98.590%	99.674%	0.021	0.259	-0.022	-0.017
X		-0.197	-0.025	-0.066	TM 1483.000	97.335%	98.103%	0.021	0.259	-0.024	-0.023
σ		0.007	0.002	0.008	TM 37.400	1.140%	1.500%	0.001	0.000	0.002	0.005
%RSD		3.689	8.196	12.030	TM 2.521	1.171	1.529	6.215	0.189	8.312	23.420
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	20:22:24	0.033	86.408%	0.000	0.000						
2	20:23:29	0.034	85.601%	0.000	0.000						
3	20:24:34	0.036	87.157%	0.000	0.000						
X		0.034	86.389%	0.000	0.000						
σ		0.002	0.778%	0.000	0.000						
%RSD		5.210	0.901	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:26:42	84.116%	-0.054	M 186.100	M 197.800	0.000	TM 710500.000	TM 63710.000	TM 63220.000	4.273	± 0.000
2	20:27:47	86.767%	-0.098	M 182.400	M 194.000	0.000	TM 694100.000	TM 62340.000	TM 61680.000	4.211	± 0.000
3	20:28:52	87.652%	-0.078	M 182.600	M 191.600	0.000	TM 684700.000	TM 61100.000	TM 60760.000	4.188	± 0.000
X		86.178%	-0.077	M 183.700	M 194.500	0.000	TM 696400.000	TM 62380.000	TM 61890.000	4.224	± 0.000
σ		1.840%	0.022	M 2.101	M 3.122	0.000	TM 13060.000	TM 1302.000	TM 1239.000	0.044	± 0.000
%RSD		2.135	28.210	M 1.144	M 1.605	0.000	TM 1.875	TM 2.086	TM 2.002	1.035	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:26:42	TM 8224.000	M 108100.000	TM 120100.000	0.000	4.428	0.361	0.277	0.695	66.170	TM 6577.000
2	20:27:47	TM 8077.000	M 105000.000	TM 117100.000	0.000	4.064	0.401	0.302	0.729	64.300	TM 6419.000
3	20:28:52	TM 8001.000	M 103800.000	TM 115800.000	0.000	4.238	0.309	0.285	0.446	66.590	TM 6291.000
X		TM 8101.000	M 105700.000	TM 117700.000	0.000	4.243	0.357	0.288	0.623	65.680	TM 6429.000
σ		TM 113.000	M 2232.000	TM 2230.000	0.000	0.182	0.046	0.013	0.154	1.219	TM 143.400
%RSD		TM 1.395	M 2.113	TM 1.895	0.000	4.292	12.930	4.502	24.730	1.856	TM 2.231
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:26:42	TM 114200.000	TM 126300.000	0.794	0.387	39.070	6.172	1.006	0.488	42.980	32.060
2	20:27:47	TM 112100.000	TM 124100.000	0.766	0.429	41.010	6.197	1.111	0.416	42.790	30.680
3	20:28:52	TM 109600.000	TM 121800.000	0.769	0.559	47.530	6.414	0.992	0.407	41.920	31.490
X		TM 112000.000	TM 124000.000	0.776	0.458	42.530	6.261	1.036	0.437	42.560	31.410
σ		TM 2321.000	TM 2257.000	0.016	0.090	4.430	0.133	0.065	0.045	0.566	0.691
%RSD		TM 2.073	TM 1.819	2.021	19.610	10.420	2.127	6.263	10.200	1.329	2.198
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:26:42	1.017	2.379	1.182	0.000	0.000	1.536	TM 867.500	104.148%	0.059	0.099
2	20:27:47	1.168	1.474	1.056	0.000	0.000	1.527	TM 846.300	107.238%	0.029	0.075
3	20:28:52	1.132	1.723	1.266	0.000	0.000	1.745	TM 834.400	108.228%	0.060	0.092
X		1.106	1.859	1.168	0.000	0.000	1.603	TM 849.400	106.538%	0.050	0.089
σ		0.079	0.467	0.106	0.000	0.000	0.124	TM 16.780	2.128%	0.018	0.013
%RSD		7.120	25.140	9.058	0.000	0.000	7.711	TM 1.976	1.998	35.550	14.080
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:26:42	0.138	90.150%	-5.355	0.321	0.543	-0.096	0.357	-0.382	-0.261	94.448%
2	20:27:47	0.160	94.430%	-4.765	0.315	0.511	-0.042	0.356	-0.354	-0.242	96.116%
3	20:28:52	0.175	94.826%	-3.992	0.332	0.463	0.012	0.355	-0.312	-0.208	98.667%
X		0.158	93.135%	-4.704	0.323	0.506	-0.042	0.356	-0.349	-0.237	96.410%
σ		0.019	2.593%	0.683	0.009	0.040	0.054	0.001	0.035	0.026	2.125%
%RSD		11.900	2.784	14.520	2.673	7.955	128.000	0.339	10.050	11.160	2.204
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:26:42	-0.187	-0.021	-0.079	TM 1515.000	97.377%	97.989%	0.020	0.259	-0.018	-0.016
2	20:27:47	-0.199	-0.057	-0.075	TM 1480.000	98.830%	99.350%	0.020	0.258	-0.019	-0.021
3	20:28:52	-0.194	-0.035	-0.084	TM 1449.000	99.816%	100.424%	0.017	0.258	-0.023	-0.014
X		-0.193	-0.037	-0.079	TM 1481.000	98.675%	99.254%	0.019	0.259	-0.020	-0.017
σ		0.006	0.018	0.005	TM 33.070	1.227%	1.220%	0.002	0.001	0.003	0.003
%RSD		3.061	49.210	6.127	TM 2.233	1.243	1.229	9.007	0.238	14.140	19.440
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	20:26:42	0.043	84.321%	0.000	0.000						
2	20:27:47	0.039	85.950%	0.000	0.000						
3	20:28:52	0.040	87.116%	0.000	0.000						
X		0.041	85.796%	0.000	0.000						
σ		0.002	1.404%	0.000	0.000						
%RSD		5.171	1.636	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:31:00	87.999%	-0.094	M 182.700	M 187.800	0.000	TM 682300.000	TM 60610.000	TM 60310.000	3.936	± 0.000
2	20:32:05	88.380%	-0.084	M 185.500	M 191.400	0.000	TM 694700.000	TM 61710.000	TM 61250.000	3.956	± 0.000
3	20:33:10	84.600%	-0.029	M 182.100	M 191.500	0.000	TM 695100.000	TM 62010.000	TM 61510.000	± 8.701	± 0.000
X		86.993%	-0.069	M 183.500	M 190.200	0.000	TM 690700.000	TM 61440.000	TM 61020.000	± 5.531	± 0.000
σ		2.081%	0.035	M 1.835	M 2.126	0.000	TM 7260.000	TM 735.000	TM 632.400	± 2.746	± 0.000
%RSD		2.392	50.280	M 1.000	M 1.118	0.000	TM 1.051	TM 1.196	TM 1.036	± 49.640	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:31:00	TM 7811.000	M 106500.000	TM 118500.000	0.000	3.815	0.355	0.231	0.284	62.190	TM 6264.000
2	20:32:05	TM 7907.000	M 108800.000	TM 120900.000	0.000	3.954	0.429	0.274	0.848	61.220	TM 6385.000
3	20:33:10	TM 7970.000	M 109300.000	TM 122200.000	0.000	4.241	0.299	0.381	0.541	62.720	TM 6466.000
X		TM 7896.000	M 108200.000	TM 120600.000	0.000	4.003	0.361	0.295	0.558	62.040	TM 6372.000
σ		TM 80.240	M 1514.000	TM 1880.000	0.000	0.217	0.065	0.077	0.283	0.763	TM 102.000
%RSD		TM 1.016	M 1.400	TM 1.559	0.000	5.430	18.120	26.230	50.650	1.230	TM 1.601
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:31:00	TM 110900.000	TM 122600.000	0.711	0.426	55.720	6.058	0.238	0.533	42.290	31.300
2	20:32:05	TM 113900.000	TM 125800.000	0.770	0.466	64.350	6.450	0.206	0.473	44.620	33.690
3	20:33:10	TM 115300.000	TM 127200.000	0.798	0.519	70.030	6.898	0.244	0.555	44.780	32.640
X		TM 113300.000	TM 125200.000	0.760	0.470	63.370	6.469	0.229	0.520	43.900	32.540
σ		TM 2243.000	TM 2346.000	0.044	0.046	7.204	0.420	0.021	0.043	1.392	1.199
%RSD		TM 1.979	TM 1.873	5.853	9.857	11.370	6.493	8.968	8.223	3.171	3.683
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:31:00	1.050	1.213	1.043	0.000	0.000	1.620	TM 834.900	110.394%	0.064	0.124
2	20:32:05	1.191	0.650	1.220	0.000	0.000	1.450	TM 850.100	109.851%	0.069	0.156
3	20:33:10	1.197	1.278	1.956	0.000	0.000	1.631	TM 854.800	105.705%	0.058	0.120
X		1.146	1.047	1.406	0.000	0.000	1.567	TM 846.600	108.650%	0.064	0.133
σ		0.083	0.346	0.484	0.000	0.000	0.101	TM 10.430	2.565%	0.006	0.020
%RSD		7.272	33.020	34.430	0.000	0.000	6.452	TM 1.232	2.361	9.176	15.080
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:31:00	0.149	96.375%	-4.871	0.317	0.528	0.117	0.355	-0.368	-0.252	98.704%
2	20:32:05	0.136	96.292%	-4.330	0.309	0.484	-0.016	0.349	-0.336	-0.221	98.395%
3	20:33:10	0.151	91.916%	-4.236	0.308	0.473	-0.096	0.358	-0.322	-0.218	94.099%
X		0.145	94.861%	-4.479	0.311	0.495	0.002	0.354	-0.342	-0.230	97.066%
σ		0.008	2.550%	0.343	0.005	0.029	0.108	0.005	0.023	0.019	2.574%
%RSD		5.636	2.689	7.650	1.577	5.944	6482.000	1.286	6.836	8.382	2.652
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:31:00	-0.193	-0.052	-0.110	TM 1491.000	101.280%	101.370%	0.017	0.257	-0.024	-0.020
2	20:32:05	-0.193	-0.059	-0.093	TM 1519.000	100.442%	101.348%	0.018	0.255	-0.019	-0.024
3	20:33:10	-0.181	-0.047	-0.090	TM 1532.000	94.732%	95.813%	0.019	0.256	-0.027	-0.021
X		-0.189	-0.053	-0.098	TM 1514.000	98.818%	99.510%	0.018	0.256	-0.023	-0.022
σ		0.007	0.006	0.011	TM 20.570	3.563%	3.202%	0.001	0.001	0.004	0.002
%RSD		3.755	11.790	11.250	TM 1.359	3.606	3.218	5.266	0.336	18.510	9.916
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	20:31:00	0.036	88.015%	0.000	0.000						
2	20:32:05	0.035	86.721%	0.000	0.000						
3	20:33:10	0.034	82.717%	0.000	0.000						
X		0.035	85.817%	0.000	0.000						
σ		0.001	2.762%	0.000	0.000						
%RSD		2.428	3.219	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:35:18	88.522%	-0.099	<u>M 187.600</u>	<u>M 192.600</u>	0.000	<u>TM 688400.000</u>	<u>TM 61370.000</u>	<u>TM 60900.000</u>	5.444	<u>± 0.000</u>
2	20:36:23	89.570%	-0.066	<u>M 190.200</u>	<u>M 193.300</u>	0.000	<u>TM 689000.000</u>	<u>TM 61810.000</u>	<u>TM 61240.000</u>	5.416	<u>± 0.000</u>
3	20:37:29	92.067%	-0.035	<u>M 184.400</u>	<u>M 188.200</u>	0.000	<u>TM 675300.000</u>	<u>TM 60720.000</u>	<u>TM 60220.000</u>	5.338	<u>± 0.000</u>
X		<u>90.053%</u>	<u>-0.066</u>	<u>M 187.400</u>	<u>M 191.400</u>	<u>0.000</u>	<u>TM 684300.000</u>	<u>TM 61300.000</u>	<u>TM 60790.000</u>	<u>5.400</u>	<u>± 0.000</u>
σ		<u>1.821%</u>	<u>0.032</u>	<u>M 2.903</u>	<u>M 2.777</u>	<u>0.000</u>	<u>TM 7748.000</u>	<u>TM 545.900</u>	<u>TM 520.000</u>	<u>0.055</u>	<u>± 0.000</u>
%RSD		<u>2.022</u>	<u>48.150</u>	<u>M 1.549</u>	<u>M 1.451</u>	<u>0.000</u>	<u>TM 1.132</u>	<u>TM 0.891</u>	<u>TM 0.856</u>	<u>1.016</u>	<u>± 0.000</u>
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:35:18	<u>TM 7951.000</u>	<u>M 103400.000</u>	<u>TM 115700.000</u>	0.000	4.416	0.632	0.352	1.037	58.130	<u>TM 6275.000</u>
2	20:36:23	<u>TM 8119.000</u>	<u>M 105700.000</u>	<u>TM 118300.000</u>	0.000	4.173	0.465	0.301	0.718	61.880	<u>TM 6418.000</u>
3	20:37:29	<u>TM 7957.000</u>	<u>M 104700.000</u>	<u>TM 116300.000</u>	0.000	4.468	0.507	0.317	0.719	60.520	<u>TM 6323.000</u>
X		<u>TM 8009.000</u>	<u>M 104600.000</u>	<u>TM 116800.000</u>	0.000	4.352	0.535	0.323	0.825	60.180	<u>TM 6339.000</u>
σ		<u>TM 95.290</u>	<u>M 1120.000</u>	<u>TM 1340.000</u>	0.000	0.158	0.087	0.026	0.184	1.897	<u>TM 72.410</u>
%RSD		<u>TM 1.190</u>	<u>M 1.070</u>	<u>TM 1.148</u>	<u>0.000</u>	<u>3.621</u>	<u>16.220</u>	<u>8.075</u>	<u>22.290</u>	<u>3.153</u>	<u>TM 1.142</u>
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:35:18	<u>TM 110300.000</u>	<u>TM 122200.000</u>	0.768	0.637	81.210	7.188	0.244	0.269	41.780	31.240
2	20:36:23	<u>TM 112900.000</u>	<u>TM 125400.000</u>	0.745	0.632	88.300	7.794	0.222	0.319	42.920	32.290
3	20:37:29	<u>TM 111800.000</u>	<u>TM 123800.000</u>	0.716	0.685	98.380	8.025	0.192	0.374	42.380	31.600
X		<u>TM 111700.000</u>	<u>TM 123800.000</u>	<u>0.743</u>	<u>0.652</u>	<u>89.300</u>	<u>7.669</u>	<u>0.219</u>	<u>0.321</u>	<u>42.360</u>	<u>31.710</u>
σ		<u>TM 1286.000</u>	<u>TM 1646.000</u>	<u>0.026</u>	<u>0.029</u>	<u>8.626</u>	<u>0.432</u>	<u>0.026</u>	<u>0.053</u>	<u>0.566</u>	<u>0.528</u>
%RSD		<u>TM 1.151</u>	<u>TM 1.329</u>	<u>3.471</u>	<u>4.458</u>	<u>9.660</u>	<u>5.637</u>	<u>11.820</u>	<u>16.390</u>	<u>1.336</u>	<u>1.666</u>
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:35:18	1.066	0.648	1.160	0.000	0.000	1.034	<u>TM 817.600</u>	112.764%	0.034	0.114
2	20:36:23	0.998	2.310	1.263	0.000	0.000	1.315	<u>TM 839.100</u>	110.776%	0.048	0.134
3	20:37:29	1.033	1.345	1.141	0.000	0.000	0.958	<u>TM 833.400</u>	112.134%	0.029	0.094
X		<u>1.032</u>	<u>1.434</u>	<u>1.188</u>	<u>0.000</u>	<u>0.000</u>	<u>1.103</u>	<u>TM 830.000</u>	<u>111.891%</u>	<u>0.037</u>	<u>0.114</u>
σ		<u>0.034</u>	<u>0.835</u>	<u>0.066</u>	<u>0.000</u>	<u>0.000</u>	<u>0.188</u>	<u>TM 11.170</u>	<u>1.016%</u>	<u>0.010</u>	<u>0.020</u>
%RSD		<u>3.314</u>	<u>58.180</u>	<u>5.514</u>	<u>0.000</u>	<u>0.000</u>	<u>17.030</u>	<u>TM 1.346</u>	<u>0.908</u>	<u>25.880</u>	<u>17.620</u>
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:35:18	0.164	97.683%	-4.466	0.315	0.499	0.062	0.352	-0.344	-0.231	98.920%
2	20:36:23	0.141	97.374%	-3.093	0.315	0.409	0.036	0.349	-0.255	-0.175	98.567%
3	20:37:29	0.173	97.806%	-4.590	0.325	0.510	0.114	0.350	-0.355	-0.242	99.782%
X		<u>0.159</u>	<u>97.621%</u>	<u>-4.050</u>	<u>0.318</u>	<u>0.473</u>	<u>0.071</u>	<u>0.350</u>	<u>-0.318</u>	<u>-0.216</u>	<u>99.090%</u>
σ		<u>0.017</u>	<u>0.222%</u>	<u>0.831</u>	<u>0.006</u>	<u>0.056</u>	<u>0.040</u>	<u>0.001</u>	<u>0.055</u>	<u>0.036</u>	<u>0.625%</u>
%RSD		<u>10.580</u>	<u>0.228</u>	<u>20.510</u>	<u>1.794</u>	<u>11.820</u>	<u>55.830</u>	<u>0.322</u>	<u>17.230</u>	<u>16.640</u>	<u>0.631</u>
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:35:18	-0.200	-0.063	-0.101	<u>TM 1468.000</u>	101.126%	101.947%	0.018	0.257	-0.018	-0.016
2	20:36:23	-0.198	-0.065	-0.096	<u>TM 1491.000</u>	101.083%	100.296%	0.017	0.257	-0.016	-0.015
3	20:37:29	-0.193	-0.057	-0.101	<u>TM 1485.000</u>	101.842%	101.749%	0.017	0.257	-0.018	-0.021
X		<u>-0.197</u>	<u>-0.062</u>	<u>-0.099</u>	<u>TM 1481.000</u>	<u>101.350%</u>	<u>101.331%</u>	<u>0.017</u>	<u>0.257</u>	<u>-0.017</u>	<u>-0.017</u>
σ		<u>0.004</u>	<u>0.004</u>	<u>0.003</u>	<u>TM 12.220</u>	<u>0.426%</u>	<u>0.902%</u>	<u>0.001</u>	<u>0.000</u>	<u>0.001</u>	<u>0.003</u>
%RSD		<u>1.949</u>	<u>6.845</u>	<u>3.224</u>	<u>TM 0.825</u>	<u>0.420</u>	<u>0.890</u>	<u>4.269</u>	<u>0.013</u>	<u>8.250</u>	<u>17.080</u>
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	20:35:18	0.042	87.664%	0.000	0.000						
2	20:36:23	0.043	87.868%	0.000	0.000						
3	20:37:29	0.040	88.703%	0.000	0.000						
X		<u>0.042</u>	<u>88.079%</u>	<u>0.000</u>	<u>0.000</u>						
σ		<u>0.001</u>	<u>0.551%</u>	<u>0.000</u>	<u>0.000</u>						
%RSD		<u>3.202</u>	<u>0.625</u>	<u>0.000</u>	<u>0.000</u>						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:39:37	102.369%	51.460	56.250	54.890	0.000	TM 2192.000	577.500	579.100	474.900	± 0.000
2	20:40:42	99.537%	54.030	57.260	55.840	0.000	± 995.200	497.200	496.900	482.700	± 0.000
3	20:41:48	100.362%	51.430	52.290	53.830	0.000	678.300	455.300	465.400	467.900	± 0.000
X		100.756%	52.310	55.270	54.850	0.000	TM 1289.000	510.000	513.800	475.200	± 0.000
σ		1.457%	1.492	2.629	1.007	0.000	TM 798.600	62.060	58.680	7.372	± 0.000
%RSD		1.446	2.851	4.756	1.835	0.000	TM 61.970	12.170	11.420	1.551	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:39:37	476.100	706.100	700.500	108.468%	50.410	50.560	49.810	50.470	78.300	63.510
2	20:40:42	468.500	535.900	535.000	104.386%	52.170	51.670	51.300	51.860	90.050	54.740
3	20:41:48	449.800	493.600	480.300	104.991%	50.420	50.040	49.880	50.170	95.030	50.820
X		464.800	578.500	571.900	105.948%	51.000	50.750	50.330	50.830	87.790	56.360
σ		13.530	112.500	114.700	2.203%	1.014	0.833	0.843	0.905	8.586	6.499
%RSD		2.911	19.450	20.050	2.079	1.988	1.642	1.674	1.780	9.779	11.530
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:39:37	± 801.400	798.500	50.370	50.940	M 135.400	53.510	50.310	49.690	49.370	50.810
2	20:40:42	± 592.300	592.900	52.230	52.920	M 126.200	54.570	50.890	50.930	51.540	51.820
3	20:41:48	± 519.900	515.300	50.110	51.070	M 114.200	52.380	49.550	50.240	49.460	50.360
X		± 637.900	635.600	50.910	51.640	M 125.300	53.490	50.250	50.290	50.120	51.000
σ		± 146.200	146.300	1.155	1.108	M 10.620	1.095	0.670	0.622	1.226	0.750
%RSD		± 22.920	23.020	2.269	2.145	M 8.479	2.046	1.334	1.237	2.445	1.470
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:39:37	51.430	41.820	52.480	0.000	0.000	50.080	51.500	107.992%	50.200	49.650
2	20:40:42	52.800	44.000	54.160	0.000	0.000	52.130	51.820	104.170%	51.270	51.650
3	20:41:48	51.330	40.630	52.300	0.000	0.000	50.490	50.100	104.102%	50.370	49.830
X		51.860	42.150	52.980	0.000	0.000	50.900	51.140	105.422%	50.620	50.380
σ		0.822	1.710	1.022	0.000	0.000	1.086	0.915	2.227%	0.576	1.110
%RSD		1.585	4.056	1.929	0.000	0.000	2.134	1.789	2.112	1.138	2.203
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:39:37	49.870	104.756%	49.380	48.730	0.269	47.260	48.890	49.260	49.050	104.357%
2	20:40:42	51.930	101.661%	50.140	50.010	0.454	50.630	49.800	50.900	50.460	101.325%
3	20:41:48	49.600	102.325%	48.630	48.380	0.450	49.260	48.610	48.980	49.450	100.510%
X		50.470	102.914%	49.390	49.040	0.391	49.050	49.100	49.710	49.650	102.064%
σ		1.276	1.630%	0.753	0.859	0.105	1.696	0.619	1.033	0.729	2.027%
%RSD		2.528	1.583	1.524	1.752	26.960	3.457	1.260	2.077	1.468	1.986
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:39:37	49.550	48.780	48.800	54.900	101.808%	101.264%	50.420	49.940	50.270	50.330
2	20:40:42	50.430	50.430	50.660	53.050	99.034%	98.339%	51.050	50.710	51.660	51.260
3	20:41:48	49.710	49.890	49.900	51.360	99.859%	99.448%	50.420	49.900	49.690	50.450
X		49.900	49.700	49.780	53.100	100.233%	99.683%	50.630	50.180	50.540	50.680
σ		0.471	0.840	0.932	1.771	1.425%	1.477%	0.365	0.460	1.010	0.507
%RSD		0.945	1.690	1.873	3.335	1.421	1.481	0.721	0.916	1.999	1.000
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	20:39:37	50.190	98.214%	0.000	0.000						
2	20:40:42	51.300	97.256%	0.000	0.000						
3	20:41:48	49.860	97.238%	0.000	0.000						
X		50.450	97.569%	0.000	0.000						
σ		0.753	0.558%	0.000	0.000						
%RSD		1.492	0.572	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:55	97.414%	-0.037	3.198	4.064	0.000	142.000	5.616	6.078	2.764	±0.000
2	20:45:00	100.710%	-0.106	2.444	3.162	0.000	103.500	3.237	3.878	2.102	±0.000
3	20:46:05	95.874%	-0.126	2.016	2.381	0.000	112.200	4.242	5.017	2.092	±0.000
x		97.999%	-0.090	2.553	3.202	0.000	119.200	4.365	4.991	2.319	±0.000
σ		2.471%	0.047	0.598	0.842	0.000	20.170	1.194	1.100	0.385	±0.000
%RSD		2.521	52.250	23.440	26.310	0.000	16.910	27.350	22.040	16.610	±0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:55	-5.996	-11.020	-6.911	101.273%	-0.459	-0.057	-0.177	0.505	85.270	0.443
2	20:45:00	-9.975	-19.470	-11.830	105.427%	-0.497	-0.174	-0.260	0.430	82.220	0.126
3	20:46:05	-5.496	-16.220	-10.170	100.557%	-0.526	-0.075	-0.254	0.317	84.990	0.205
x		-7.156	-15.570	-9.636	102.419%	-0.494	-0.102	-0.230	0.417	84.160	0.258
σ		2.454	4.261	2.502	2.629%	0.034	0.063	0.046	0.094	1.683	0.165
%RSD		34.300	27.360	25.970	2.567	6.804	61.630	20.130	22.620	2.000	64.060
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:55	14.730	20.420	-0.007	0.070	50.940	1.868	-0.217	-0.478	-0.310	-0.504
2	20:45:00	7.204	14.240	-0.070	-0.031	40.810	1.404	-0.332	-0.529	-0.379	-0.628
3	20:46:05	10.920	17.540	-0.083	-0.051	36.410	1.267	-0.317	-0.498	-0.354	-0.649
x		10.950	17.400	-0.053	-0.004	42.720	1.513	-0.289	-0.502	-0.348	-0.594
σ		3.761	3.092	0.041	0.065	7.453	0.315	0.063	0.026	0.035	0.078
%RSD		34.340	17.770	76.220	1761.000	17.450	20.800	21.790	5.145	10.060	13.150
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:55	-0.236	-11.760	0.525	0.000	0.000	-0.301	0.038	101.410%	-0.099	-0.092
2	20:45:00	-0.226	-13.360	-0.075	0.000	0.000	-0.379	-0.108	107.137%	-0.193	-0.164
3	20:46:05	-0.229	-12.640	0.213	0.000	0.000	-0.352	-0.120	100.465%	-0.215	-0.167
x		-0.230	-12.590	0.221	0.000	0.000	-0.344	-0.063	103.004%	-0.169	-0.141
σ		0.005	0.801	0.300	0.000	0.000	0.040	0.088	3.610%	0.061	0.043
%RSD		2.181	6.365	135.700	0.000	0.000	11.480	139.900	3.505	36.330	30.160
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:55	0.027	100.109%	-0.237	0.401	0.215	-0.096	0.429	-0.021	0.006	99.351%
2	20:45:00	-0.100	104.856%	-0.064	0.326	0.206	-0.071	0.367	-0.056	-0.034	103.226%
3	20:46:05	-0.112	98.087%	-0.178	0.319	0.213	-0.069	0.360	-0.078	-0.053	96.679%
x		-0.062	101.017%	-0.160	0.348	0.211	-0.079	0.385	-0.052	-0.027	99.752%
σ		0.077	3.475%	0.088	0.045	0.005	0.015	0.038	0.029	0.030	3.292%
%RSD		124.400	3.440	55.190	13.020	2.333	18.870	9.872	56.050	110.800	3.300
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:55	-0.067	0.746	0.708	0.154	96.246%	96.345%	0.162	0.393	0.102	0.091
2	20:45:00	-0.139	0.391	0.365	-0.013	100.656%	100.744%	0.080	0.316	0.009	0.012
3	20:46:05	-0.164	0.308	0.284	-0.002	95.864%	95.408%	0.072	0.318	-0.024	-0.012
x		-0.123	0.482	0.452	0.046	97.589%	97.499%	0.105	0.342	0.029	0.030
σ		0.051	0.233	0.225	0.094	2.664%	2.849%	0.050	0.044	0.065	0.054
%RSD		40.940	48.330	49.850	202.500	2.730	2.922	47.550	12.900	226.300	177.700
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	20:43:55	0.160	95.173%	0.000	0.000						
2	20:45:00	0.068	98.830%	0.000	0.000						
3	20:46:05	0.041	93.480%	0.000	0.000						
x		0.090	95.828%	0.000	0.000						
σ		0.062	2.735%	0.000	0.000						
%RSD		69.470	2.854	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:48:14	95.092%	-0.107	2.433	2.179	0.000	87.970	3.683	4.287	4.483	±0.000
2	20:49:20	97.061%	-0.122	2.063	1.883	0.000	81.070	3.962	3.837	4.332	±0.000
3	20:50:25	92.269%	-0.125	1.729	1.971	0.000	90.280	4.925	5.329	4.507	±0.000
	x	94.808%	-0.118	2.075	2.011	0.000	86.440	4.190	4.484	4.440	±0.000
	σ	2.409%	0.009	0.352	0.152	0.000	4.792	0.652	0.765	0.095	±0.000
	%RSD	2.541	7.887	16.970	7.566	0.000	5.544	15.550	17.060	2.131	±0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:48:14	-7.025	18.420	23.230	99.574%	-0.491	-0.139	-0.044	-0.004	113.200	0.059
2	20:49:20	-6.392	15.900	22.600	99.797%	-0.423	-0.291	-0.049	0.207	113.200	0.064
3	20:50:25	-1.949	24.070	26.590	95.970%	-0.473	-0.100	-0.006	0.717	114.600	0.167
	x	-5.122	19.460	24.140	98.447%	-0.462	-0.177	-0.033	0.307	113.700	0.097
	σ	2.766	4.184	2.144	2.148%	0.035	0.101	0.024	0.370	0.776	0.061
	%RSD	54.010	21.500	8.881	2.182	7.647	57.230	71.800	120.800	0.683	63.010

Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:48:14	22.850	28.950	-0.090	0.048	31.390	2.547	1.146	0.681	0.836	0.461
2	20:49:20	18.820	26.600	-0.086	0.003	28.910	2.428	1.063	0.612	0.769	0.503
3	20:50:25	±39.550	25.400	-0.085	0.045	28.180	2.412	1.242	0.730	0.795	0.697
	x	±27.080	26.980	-0.087	0.032	29.490	2.462	1.150	0.674	0.800	0.553
	σ	±10.990	1.805	0.003	0.025	1.680	0.074	0.090	0.059	0.033	0.126
	%RSD	±40.590	6.690	3.041	77.520	5.696	3.003	7.792	8.769	4.176	22.740

Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:48:14	-0.235	-7.629	0.197	0.000	0.000	-0.350	-0.069	99.835%	-0.242	-0.204
2	20:49:20	-0.106	-8.458	0.128	0.000	0.000	-0.344	-0.075	100.346%	-0.261	-0.221
3	20:50:25	-0.236	-6.826	0.568	0.000	0.000	-0.312	-0.075	96.452%	-0.254	-0.218
	x	-0.192	-7.637	0.298	0.000	0.000	-0.335	-0.073	98.878%	-0.252	-0.214
	σ	0.075	0.816	0.237	0.000	0.000	0.021	0.004	2.116%	0.010	0.009
	%RSD	39.090	10.680	79.420	0.000	0.000	6.156	5.038	2.140	3.884	4.335

Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:48:14	-0.135	98.235%	0.110	0.309	0.263	0.914	0.353	-0.130	-0.089	96.494%
2	20:49:20	-0.136	99.491%	-0.242	0.317	0.294	1.033	0.359	-0.153	-0.112	97.608%
3	20:50:25	-0.125	95.113%	-0.688	0.321	0.319	0.974	0.355	-0.181	-0.127	93.542%
	x	-0.132	97.613%	-0.273	0.316	0.292	0.974	0.356	-0.155	-0.109	95.881%
	σ	0.006	2.254%	0.400	0.006	0.028	0.060	0.003	0.026	0.019	2.101%
	%RSD	4.723	2.310	146.300	2.008	9.643	6.113	0.783	16.530	17.760	2.191

Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:48:14	-0.179	0.217	0.163	0.122	96.482%	96.298%	0.036	0.284	-0.020	-0.014
2	20:49:20	-0.184	0.150	0.106	0.079	97.128%	97.006%	0.044	0.280	-0.019	-0.016
3	20:50:25	-0.180	0.151	0.067	0.119	93.272%	92.758%	0.045	0.278	-0.021	-0.021
	x	-0.181	0.173	0.112	0.106	95.627%	95.354%	0.042	0.281	-0.020	-0.017
	σ	0.002	0.038	0.048	0.024	2.065%	2.276%	0.005	0.003	0.001	0.003
	%RSD	1.223	22.220	43.270	22.580	2.160	2.387	11.360	1.093	4.723	19.540

Run	Time	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb
1	20:48:14	0.044	94.554%	0.000	0.000
2	20:49:20	0.040	96.101%	0.000	0.000
3	20:50:25	0.039	92.722%	0.000	0.000
	x	0.041	94.459%	0.000	0.000
	σ	0.003	1.691%	0.000	0.000
	%RSD	6.463	1.791	0.000	0.000

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:52:33	95.568%	m 104.700	1.641	1.802	0.000	507.600	459.400	463.400	476.200	± 0.000
2	20:53:38	97.610%	99.130	0.973	1.642	0.000	478.000	431.400	433.400	439.100	± 0.000
3	20:54:43	94.146%	m 109.200	1.205	1.672	0.000	514.200	483.500	479.300	492.000	± 0.000
X		95.775%	m 104.300	1.273	1.705	0.000	500.000	458.100	458.700	469.100	± 0.000
σ		1.741%	m 5.060	0.340	0.085	0.000	19.260	26.060	23.340	27.150	± 0.000
%RSD		1.818	m 4.849	26.670	4.969	0.000	3.853	5.690	5.089	5.787	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:52:33	457.600	478.000	481.100	97.995%	-0.503	m 103.900	m 103.100	m 103.300	128.900	m 103.600
2	20:53:38	430.400	453.800	441.500	101.800%	-0.453	95.560	94.330	93.320	133.400	94.840
3	20:54:43	474.900	475.600	489.600	95.965%	-0.430	m 107.900	m 107.200	m 110.200	132.300	m 106.700
X		454.300	469.100	470.800	98.587%	-0.462	m 102.500	m 101.500	m 102.300	131.500	m 101.700
σ		22.450	13.330	25.650	2.962%	0.037	m 6.302	m 6.565	m 8.504	2.371	m 6.152
%RSD		4.941	2.841	5.449	3.005	8.110	m 6.151	m 6.465	m 8.313	1.803	m 6.049
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:52:33	469.400	491.800	m 104.000	m 103.500	m 127.700	m 104.800	m 104.700	m 102.600	99.840	m 103.600
2	20:53:38	425.600	447.900	95.460	94.530	m 116.200	96.210	94.840	93.500	91.170	94.330
3	20:54:43	± 507.100	508.700	m 107.100	m 106.700	m 129.800	m 108.400	m 106.600	m 106.600	m 104.900	m 106.800
X		± 467.400	482.800	m 102.200	m 101.600	m 124.600	m 103.100	m 102.100	m 100.900	m 98.640	m 101.600
σ		± 40.780	31.400	m 6.000	m 6.287	m 7.347	m 6.238	m 6.306	m 6.729	m 6.939	m 6.491
%RSD		± 8.725	6.504	m 5.873	m 6.191	m 5.898	m 6.049	m 6.179	m 6.667	m 7.035	m 6.389
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:52:33	m 105.900	m 204.800	m 206.500	0.000	0.000	m 205.100	-0.111	99.931%	-0.266	-0.206
2	20:53:38	97.650	m 189.900	m 190.600	0.000	0.000	m 190.500	-0.114	103.600%	-0.254	-0.220
3	20:54:43	m 109.300	m 209.900	m 213.700	0.000	0.000	m 209.900	-0.112	97.465%	-0.260	-0.231
X		m 104.300	m 201.600	m 203.600	0.000	0.000	m 201.800	-0.112	100.332%	-0.260	-0.219
σ		m 6.004	m 10.390	m 11.820	0.000	0.000	m 10.080	0.002	3.087%	0.006	0.013
%RSD		m 5.756	m 5.156	m 5.803	0.000	0.000	m 4.995	1.490	3.077	2.324	5.828
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:52:33	-0.135	97.624%	m 103.200	m 100.800	0.342	98.680	m 101.100	m 102.000	m 102.500	97.968%
2	20:53:38	-0.153	102.299%	93.760	93.330	0.665	94.580	93.540	93.030	94.600	102.185%
3	20:54:43	-0.139	94.824%	m 103.200	m 104.700	0.827	m 105.900	m 104.600	m 106.400	m 107.900	94.452%
X		-0.142	98.249%	m 100.100	m 99.630	0.612	m 99.710	m 99.740	m 100.500	m 101.500	98.202%
σ		0.009	3.776%	m 5.455	m 5.792	0.247	m 5.711	m 5.646	m 6.828	m 6.956	3.872%
%RSD		6.621	3.843	m 5.452	m 5.814	40.380	m 5.727	m 5.661	m 6.795	m 6.856	3.943
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:52:33	-0.193	m 105.600	m 104.800	m 103.800	97.570%	96.432%	m 105.000	m 105.200	m 104.500	m 104.900
2	20:53:38	-0.192	96.740	96.340	95.250	101.892%	102.220%	97.770	97.860	96.530	95.990
3	20:54:43	-0.191	m 111.600	m 110.400	m 108.800	95.363%	96.018%	m 107.200	m 107.600	m 107.700	m 108.100
X		-0.192	m 104.600	m 103.800	m 102.600	98.275%	98.223%	m 103.300	m 103.500	m 102.900	m 103.000
σ		0.001	m 7.455	m 7.066	m 6.865	3.321%	3.468%	m 4.944	m 5.056	m 5.739	m 6.273
%RSD		0.457	m 7.125	m 6.804	m 6.690	3.379	3.530	m 4.785	m 4.883	m 5.578	m 6.090
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	20:52:33	m 104.700	95.250%	0.000	0.000						
2	20:53:38	96.330	100.624%	0.000	0.000						
3	20:54:43	m 108.000	94.613%	0.000	0.000						
X		m 103.000	96.829%	0.000	0.000						
σ		m 6.022	3.302%	0.000	0.000						
%RSD		m 5.845	3.410	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:56:51	82.797%	M 112.500	M 339.700	M 342.000	0.000	TM 262900.000	TM 21770.000	TM 21590.000	T 514.600	T 0.000
2	20:57:56	77.469%	M 113.500	M 340.200	M 348.200	0.000	TM 265400.000	TM 21930.000	TM 21650.000	T 513.000	T 0.000
3	20:59:00	82.762%	M 115.900	M 352.700	M 358.100	0.000	TM 270300.000	TM 22370.000	TM 22050.000	T 525.100	T 0.000
X		81.010%	M 114.000	M 344.200	M 349.400	0.000	TM 266200.000	TM 22030.000	TM 21770.000	T 517.600	T 0.000
σ		3.066%	M 1.751	M 7.382	M 8.124	0.000	TM 3764.000	TM 311.900	TM 252.500	T 6.591	T 0.000
%RSD		3.785	M 1.537	M 2.145	M 2.325	0.000	TM 1.414	TM 1.416	TM 1.160	T 1.273	T 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:56:51	TM 9565.000	M 110100.000	TM 120800.000	101.389%	0.319	M 100.200	M 100.400	M 100.700	138.100	TM 611.100
2	20:57:56	TM 9615.000	M 109100.000	TM 120400.000	98.406%	0.480	99.130	99.610	99.660	162.800	TM 608.400
3	20:59:00	TM 9802.000	M 111900.000	TM 123300.000	105.529%	0.388	M 101.900	M 102.000	M 101.800	189.700	TM 621.600
X		TM 9661.000	M 110400.000	TM 121500.000	101.774%	0.395	M 100.400	M 100.700	M 100.700	163.500	TM 613.700
σ		TM 125.000	M 1436.000	TM 1594.000	3.577%	0.081	M 1.370	M 1.230	M 1.047	25.830	TM 7.004
%RSD		TM 1.294	M 1.301	TM 1.312	3.515	20.370	M 1.365	M 1.222	M 1.040	15.790	TM 1.141
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:56:51	TM 3745.000	M 3973.000	92.940	94.000	M 118.200	94.660	92.600	M 160.500	M 160.700	M 164.700
2	20:57:56	TM 3763.000	M 3976.000	92.640	94.110	M 120.500	94.050	91.960	M 159.600	M 163.400	M 165.100
3	20:59:00	TM 3823.000	M 4052.000	94.530	95.630	M 115.600	95.620	94.050	M 163.100	M 166.500	M 168.400
X		TM 3777.000	M 4000.000	93.370	94.580	M 118.100	94.780	92.870	M 161.100	M 163.500	M 166.100
σ		TM 40.960	M 44.600	1.013	0.910	M 2.455	0.792	1.070	M 1.808	M 2.876	M 2.009
%RSD		TM 1.085	M 1.115	1.085	0.963	M 2.078	0.836	1.152	M 1.123	M 1.759	M 1.210
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:56:51	M 103.500	M 191.900	M 186.100	0.000	0.000	M 184.000	TM 828.500	96.558%	9.971	10.140
2	20:57:56	M 103.900	M 191.600	M 184.900	0.000	0.000	M 183.300	TM 827.800	93.350%	9.790	10.320
3	20:59:00	M 106.000	M 200.800	M 188.800	0.000	0.000	M 186.300	TM 837.500	99.102%	10.060	10.210
X		M 104.500	M 194.800	M 186.600	0.000	0.000	M 184.500	TM 831.300	96.337%	9.940	10.220
σ		M 1.341	M 5.254	M 1.991	0.000	0.000	M 1.602	TM 5.404	2.882%	0.138	0.091
%RSD		M 1.283	M 2.697	M 1.067	0.000	0.000	M 0.868	TM 0.650	2.992	1.388	0.894
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:56:51	10.140	87.442%	99.330	96.900	0.663	99.110	96.160	99.170	98.780	91.357%
2	20:57:56	10.190	83.828%	97.910	98.160	0.743	99.120	97.180	99.610	99.250	86.502%
3	20:59:00	10.360	90.002%	96.340	98.330	1.014	M 101.500	97.550	99.980	99.820	93.443%
X		10.230	87.091%	97.860	97.800	0.806	M 99.900	96.960	99.590	99.280	90.434%
σ		0.115	3.102%	1.498	0.784	0.184	M 1.362	0.721	0.404	0.523	3.561%
%RSD		1.120	3.562	1.530	0.802	22.790	M 1.364	0.743	0.406	0.527	3.938
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:56:51	-0.176	M 108.600	M 109.300	M 348.300	95.410%	95.465%	M 104.800	M 105.200	M 105.300	M 105.200
2	20:57:56	-0.099	M 109.100	M 108.400	M 351.100	90.396%	91.292%	M 104.700	M 104.800	M 105.700	M 105.600
3	20:59:00	-0.154	M 110.400	M 109.500	M 353.200	96.359%	97.331%	M 106.500	M 106.400	M 106.300	M 107.000
X		-0.143	M 109.300	M 109.100	M 350.800	94.055%	94.696%	M 105.300	M 105.400	M 105.700	M 105.900
σ		0.040	M 0.916	M 0.603	M 2.459	3.204%	3.092%	M 1.016	M 0.867	M 0.501	M 0.900
%RSD		27.810	M 0.838	M 0.553	M 0.701	3.407	3.265	M 0.965	M 0.823	M 0.474	M 0.849
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	20:56:51	M 105.900	86.642%	0.000	0.000						
2	20:57:56	M 105.800	82.551%	0.000	0.000						
3	20:59:00	M 107.000	87.616%	0.000	0.000						
X		M 106.200	85.603%	0.000	0.000						
σ		M 0.654	2.688%	0.000	0.000						
%RSD		M 0.616	3.140	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:01:08	83.321%	M 113.300	M 345.100	M 353.300	0.000	TM 270900.000	TM 22380.000	TM 22120.000	495.400	T 0.000
2	21:02:14	83.640%	M 115.600	M 346.700	M 355.500	0.000	TM 268600.000	TM 22150.000	TM 22000.000	T 516.600	T 0.000
3	21:03:19	84.514%	M 109.600	M 341.600	M 344.800	0.000	TM 258100.000	TM 21200.000	TM 20950.000	464.900	T 0.000
X		83.825%	M 112.800	M 344.500	M 351.200	0.000	TM 265900.000	TM 21910.000	TM 21690.000	T 492.300	T 0.000
σ		0.617%	M 3.002	M 2.602	M 5.679	0.000	TM 6794.000	TM 623.400	TM 644.500	T 25.960	T 0.000
%RSD		0.736	M 2.660	M 0.756	M 1.617	0.000	TM 2.555	TM 2.845	TM 2.971	T 5.273	T 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:01:08	TM 9836.000	M 114200.000	TM 125500.000	101.077%	0.423	M 101.800	M 102.600	M 102.800	217.700	TM 628.200
2	21:02:14	TM 9772.000	M 113300.000	TM 124600.000	101.776%	0.633	M 101.800	M 101.200	M 103.200	224.300	TM 622.900
3	21:03:19	TM 9487.000	M 107500.000	TM 118300.000	102.241%	0.466	96.380	96.190	98.430	240.600	TM 596.100
X		TM 9699.000	M 111700.000	TM 122800.000	101.698%	0.507	M 99.980	M 99.990	M 101.500	227.500	TM 615.700
σ		TM 185.800	M 3612.000	TM 3929.000	0.586%	0.111	M 3.122	M 3.359	M 2.645	11.780	TM 17.190
%RSD		TM 1.915	M 3.235	TM 3.200	0.576	21.860	M 3.123	M 3.360	M 2.606	5.180	TM 2.792
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:01:08	TM 3852.000	M 4131.000	94.480	95.450	M 113.500	97.140	95.840	M 164.000	M 166.400	M 169.000
2	21:02:14	TM 3841.000	M 4094.000	93.710	94.520	M 112.800	96.650	94.140	M 162.100	M 163.700	M 168.200
3	21:03:19	TM 3663.000	M 3919.000	89.640	91.540	M 106.600	91.780	90.110	M 153.800	M 156.300	M 159.400
X		TM 3785.000	M 4048.000	92.610	93.840	M 111.000	95.190	93.360	M 160.000	M 162.100	M 165.500
σ		TM 106.200	M 113.400	2.601	2.045	M 3.774	2.965	2.945	M 5.430	M 5.227	M 5.352
%RSD		TM 2.806	M 2.801	2.809	2.180	M 3.401	3.115	3.154	M 3.395	M 3.224	M 3.233
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:01:08	M 104.600	M 200.600	M 186.400	0.000	0.000	M 184.900	TM 845.900	97.142%	9.953	10.450
2	21:02:14	M 104.700	M 203.300	M 186.600	0.000	0.000	M 186.400	TM 848.600	96.006%	10.110	10.640
3	21:03:19	99.940	M 193.800	M 178.100	0.000	0.000	M 177.700	TM 800.300	97.723%	9.439	9.551
X		M 103.100	M 199.200	M 183.700	0.000	0.000	M 183.000	TM 831.600	96.957%	9.834	10.220
σ		M 2.717	M 4.848	M 4.836	0.000	0.000	M 4.672	TM 27.160	0.873%	0.351	0.583
%RSD		M 2.636	M 2.433	M 2.633	0.000	0.000	M 2.553	TM 3.266	0.900	3.573	5.707
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:01:08	10.490	87.326%	M 100.400	98.340	0.729	M 101.200	97.220	M 100.900	M 100.200	90.245%
2	21:02:14	10.490	86.725%	97.960	98.580	0.705	98.700	97.640	M 101.300	M 100.300	89.037%
3	21:03:19	9.707	89.541%	88.640	92.260	1.143	96.100	91.660	92.390	92.820	93.418%
X		10.230	87.864%	M 95.670	96.400	0.859	M 98.680	95.500	M 98.180	M 97.760	90.900%
σ		0.451	1.483%	M 6.215	3.581	0.246	M 2.569	3.340	M 5.016	M 4.282	2.263%
%RSD		4.413	1.688	M 6.496	3.715	28.680	M 2.603	3.497	M 5.109	M 4.380	2.489
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:01:08	-0.164	M 109.300	M 109.300	M 358.000	94.368%	95.252%	M 105.600	M 105.100	M 104.600	M 104.900
2	21:02:14	-0.164	M 110.300	M 110.300	M 358.400	94.442%	94.292%	M 105.000	M 105.800	M 106.200	M 106.500
3	21:03:19	-0.167	M 102.300	M 101.500	M 335.200	97.223%	96.826%	99.660	M 100.700	99.340	99.900
X		-0.165	M 107.300	M 107.000	M 350.500	95.345%	95.457%	M 103.400	M 103.900	M 103.400	M 103.800
σ		0.002	M 4.368	M 4.826	M 13.260	1.627%	1.280%	M 3.273	M 2.781	M 3.592	M 3.459
%RSD		1.209	M 4.072	M 4.509	M 3.784	1.707	1.341	M 3.165	M 2.677	M 3.475	M 3.333
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	21:01:08	M 105.000	86.658%	0.000	0.000						
2	21:02:14	M 106.500	86.056%	0.000	0.000						
3	21:03:19	M 100.000	88.396%	0.000	0.000						
X		M 103.900	87.036%	0.000	0.000						
σ		M 3.415	1.215%	0.000	0.000						
%RSD		M 3.288	1.396	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:05:26	81.306%	0.294	<u>M</u> 345.100	<u>M</u> 351.000	0.000	<u>TM</u> 265600.000	<u>TM</u> 21450.000	<u>TM</u> 21190.000	14.180	<u>T</u> 0.000
2	21:06:31	84.110%	-0.008	<u>M</u> 338.300	<u>M</u> 345.300	0.000	<u>TM</u> 259100.000	<u>TM</u> 20940.000	<u>TM</u> 20710.000	12.000	<u>T</u> 0.000
3	21:07:36	81.894%	-0.121	<u>M</u> 343.800	<u>M</u> 351.800	0.000	<u>TM</u> 262200.000	<u>TM</u> 21150.000	<u>TM</u> 21020.000	<u>T</u> 17.410	<u>T</u> 0.000
X		82.437%	0.055	<u>M</u> 342.400	<u>M</u> 349.400	0.000	<u>TM</u> 262300.000	<u>TM</u> 21180.000	<u>TM</u> 20970.000	<u>T</u> 14.530	<u>T</u> 0.000
σ		1.479%	0.215	<u>M</u> 3.584	<u>M</u> 3.565	0.000	<u>TM</u> 3248.000	<u>TM</u> 253.700	<u>TM</u> 240.900	<u>T</u> 2.720	<u>T</u> 0.000
%RSD		1.794	390.500	<u>M</u> 1.047	<u>M</u> 1.021	0.000	<u>TM</u> 1.238	<u>TM</u> 1.198	<u>TM</u> 1.149	<u>T</u> 18.720	<u>T</u> 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:05:26	<u>TM</u> 9216.000	<u>M</u> 110200.000	<u>TM</u> 121800.000	97.868%	0.527	1.187	5.490	6.751	270.300	<u>TM</u> 511.300
2	21:06:31	<u>TM</u> 9085.000	<u>M</u> 109200.000	<u>TM</u> 120900.000	97.638%	0.628	1.242	5.178	5.802	275.500	<u>TM</u> 513.500
3	21:07:36	<u>TM</u> 9074.000	<u>M</u> 109000.000	<u>TM</u> 120400.000	97.252%	0.507	1.351	5.147	6.302	280.200	<u>TM</u> 511.100
X		<u>TM</u> 9125.000	<u>M</u> 109500.000	<u>TM</u> 121000.000	97.586%	0.554	1.260	5.272	6.285	275.300	<u>TM</u> 511.900
σ		<u>TM</u> 78.790	<u>M</u> 673.100	<u>TM</u> 699.500	0.311%	0.065	0.084	0.190	0.475	4.972	<u>TM</u> 1.319
%RSD		<u>TM</u> 0.863	<u>M</u> 0.615	<u>TM</u> 0.578	0.319	11.770	6.640	3.605	7.554	1.806	<u>TM</u> 0.258
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:05:26	<u>TM</u> 3318.000	<u>M</u> 3542.000	0.025	3.615	20.910	4.747	3.092	71.530	75.940	75.980
2	21:06:31	<u>TM</u> 3323.000	<u>M</u> 3549.000	-0.198	3.393	20.150	4.659	2.719	70.280	75.550	75.440
3	21:07:36	<u>TM</u> 3300.000	<u>M</u> 3499.000	-0.268	3.044	19.360	4.464	2.822	71.260	73.520	74.930
X		<u>TM</u> 3314.000	<u>M</u> 3530.000	-0.147	3.351	20.140	4.623	2.878	71.020	75.010	75.450
σ		<u>TM</u> 11.890	<u>M</u> 27.050	0.153	0.288	0.776	0.145	0.192	0.659	1.297	0.527
%RSD		<u>TM</u> 0.359	<u>M</u> 0.766	103.900	8.592	3.854	3.130	6.687	0.928	1.729	0.699
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:05:26	3.277	20.470	1.579	0.000	0.000	1.507	<u>TM</u> 829.500	93.419%	10.120	10.060
2	21:06:31	2.838	22.080	1.028	0.000	0.000	0.813	<u>TM</u> 825.300	92.974%	10.130	10.240
3	21:07:36	3.026	21.100	1.013	0.000	0.000	0.922	<u>TM</u> 828.200	92.210%	10.040	10.060
X		3.047	21.220	1.207	0.000	0.000	1.081	<u>TM</u> 827.600	92.868%	10.090	10.120
σ		0.220	0.811	0.323	0.000	0.000	0.374	<u>TM</u> 2.136	0.612%	0.050	0.101
%RSD		7.221	3.823	26.740	0.000	0.000	34.560	<u>TM</u> 0.258	0.659	0.491	0.998
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:05:26	10.170	84.739%	-3.069	0.562	1.055	9.399	0.594	-0.509	-0.128	87.055%
2	21:06:31	10.290	83.843%	-4.245	0.363	1.087	8.785	0.396	-0.702	-0.424	87.177%
3	21:07:36	10.280	83.516%	-3.990	0.333	1.047	8.431	0.368	-0.707	-0.422	85.855%
X		10.250	84.033%	-3.768	0.419	1.063	8.872	0.453	-0.639	-0.325	86.696%
σ		0.066	0.633%	0.619	0.124	0.021	0.490	0.123	0.113	0.170	0.730%
%RSD		0.643	0.754	16.420	29.600	2.005	5.521	27.200	17.660	52.390	0.843
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:05:26	-0.028	1.108	1.092	<u>M</u> 242.800	91.767%	92.094%	0.427	0.653	0.478	0.454
2	21:06:31	0.002	0.755	0.772	<u>M</u> 240.000	91.542%	92.081%	0.202	0.431	0.212	0.171
3	21:07:36	-0.001	0.744	0.648	<u>M</u> 242.900	91.209%	91.390%	0.194	0.430	0.168	0.150
X		-0.009	0.869	0.838	<u>M</u> 241.900	91.506%	91.855%	0.274	0.505	0.286	0.258
σ		0.016	0.207	0.229	<u>M</u> 1.650	0.281%	0.403%	0.132	0.128	0.168	0.170
%RSD		175.100	23.870	27.380	<u>M</u> 0.682	0.307	0.439	48.180	25.390	58.740	65.770
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	21:05:26	0.518	84.356%	0.000	0.000						
2	21:06:31	0.253	84.382%	0.000	0.000						
3	21:07:36	0.214	83.566%	0.000	0.000						
X		0.329	84.101%	0.000	0.000						
σ		0.166	0.464%	0.000	0.000						
%RSD		50.400	0.551	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:09:44	79.533%	M 118.800	M 380.100	M 386.400	0.000	TM 283700.000	TM 23600.000	TM 23220.000	T 528.900	T 0.000
2	21:10:49	81.499%	M 115.100	M 367.600	M 376.900	0.000	TM 274800.000	TM 22520.000	TM 22380.000	T 509.300	T 0.000
3	21:11:54	80.548%	M 114.300	M 374.500	M 377.700	0.000	TM 274500.000	TM 22620.000	TM 22350.000	T 506.100	T 0.000
X		80.527%	M 116.100	M 374.100	M 380.300	0.000	TM 277700.000	TM 22910.000	TM 22650.000	T 514.800	T 0.000
σ		0.983%	M 2.416	M 6.284	M 5.267	0.000	TM 5264.000	TM 596.200	TM 494.200	T 12.310	T 0.000
%RSD		1.221	M 2.082	M 1.680	M 1.385	0.000	TM 1.896	TM 2.602	TM 2.182	T 2.392	T 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:09:44	TM 10290.000	M 119100.000	TM 131600.000	95.069%	0.416	M 103.200	M 103.500	M 101.500	303.500	TM 659.500
2	21:10:49	TM 10080.000	M 115900.000	TM 127100.000	96.146%	0.354	M 100.200	M 100.200	99.680	297.800	TM 636.500
3	21:11:54	TM 9973.000	M 114100.000	TM 124900.000	97.319%	0.471	98.610	98.930	M 100.800	283.400	TM 628.000
X		TM 10110.000	M 116400.000	TM 127900.000	96.178%	0.414	M 100.700	M 100.900	M 100.700	294.900	TM 641.300
σ		TM 161.100	M 2548.000	TM 3410.000	1.125%	0.058	M 2.356	M 2.342	M 0.918	10.330	TM 16.310
%RSD		TM 1.594	M 2.189	TM 2.667	1.170	14.120	M 2.341	M 2.322	M 0.912	3.502	TM 2.543
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:09:44	TM 4059.000	M 4347.000	95.700	96.240	M 113.300	95.420	94.220	M 167.500	M 173.200	M 172.300
2	21:10:49	TM 3921.000	M 4223.000	92.220	93.490	M 111.500	93.100	91.240	M 163.200	M 162.500	M 168.400
3	21:11:54	TM 3868.000	M 4176.000	91.760	93.180	M 110.500	92.590	91.520	M 162.900	M 164.800	M 167.300
X		TM 3950.000	M 4249.000	93.220	94.300	M 111.800	93.700	92.330	M 164.600	M 166.800	M 169.300
σ		TM 98.660	M 88.340	2.154	1.686	M 1.396	1.510	1.648	M 2.568	M 5.632	M 2.631
%RSD		TM 2.498	M 2.079	2.310	1.788	M 1.249	1.611	1.785	M 1.560	M 3.376	M 1.554
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:09:44	M 105.100	M 215.100	M 188.100	0.000	0.000	M 187.800	TM 890.500	91.965%	10.670	10.760
2	21:10:49	M 102.900	M 205.100	M 182.500	0.000	0.000	M 182.400	TM 853.600	93.140%	10.140	10.250
3	21:11:54	M 103.100	M 206.700	M 184.200	0.000	0.000	M 184.800	TM 864.200	91.616%	10.300	10.650
X		M 103.700	M 208.900	M 184.900	0.000	0.000	M 185.000	TM 869.400	92.240%	10.370	10.550
σ		M 1.196	M 5.366	M 2.881	0.000	0.000	M 2.706	TM 18.970	0.799%	0.271	0.265
%RSD		M 1.153	M 2.568	M 1.558	0.000	0.000	M 1.463	TM 2.181	0.866	2.612	2.510
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:09:44	10.890	82.021%	99.230	99.570	0.967	M 103.400	98.420	M 102.400	M 100.900	85.496%
2	21:10:49	10.420	83.719%	97.720	96.320	0.621	96.990	96.070	98.630	97.980	87.514%
3	21:11:54	10.590	83.061%	96.170	97.340	0.981	M 100.900	96.920	99.370	99.310	85.867%
X		10.630	82.934%	97.710	97.750	0.856	M 100.400	97.140	M 100.100	M 99.390	86.292%
σ		0.238	0.856%	1.531	1.663	0.204	M 3.248	1.193	M 2.016	M 1.448	1.074%
%RSD		2.236	1.032	1.567	1.701	23.850	M 3.234	1.228	M 2.013	M 1.457	1.245
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:09:44	-0.152	M 111.500	M 111.600	M 373.300	89.744%	90.920%	M 107.900	M 108.600	M 108.600	M 109.200
2	21:10:49	-0.161	M 106.300	M 106.700	M 355.900	91.915%	92.190%	M 103.400	M 103.800	M 103.600	M 104.300
3	21:11:54	-0.171	M 109.300	M 108.400	M 363.000	91.288%	91.799%	M 105.300	M 105.500	M 105.200	M 105.400
X		-0.161	M 109.000	M 108.900	M 364.100	90.982%	91.637%	M 105.500	M 106.000	M 105.800	M 106.300
σ		0.010	M 2.652	M 2.502	M 8.764	1.117%	0.651%	M 2.230	M 2.442	M 2.576	M 2.578
%RSD		5.890	M 2.432	M 2.298	M 2.407	1.228	0.710	M 2.113	M 2.304	M 2.434	M 2.425
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	21:09:44	M 109.500	82.022%	0.000	0.000						
2	21:10:49	M 104.300	85.180%	0.000	0.000						
3	21:11:54	M 106.000	83.843%	0.000	0.000						
X		M 106.600	83.682%	0.000	0.000						
σ		M 2.616	1.585%	0.000	0.000						
%RSD		M 2.454	1.895	0.000	0.000						

6.1  
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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:14:02	81.381%	<u>M 110.000</u>	<u>M 360.900</u>	<u>M 363.300</u>	0.000	<u>TM 266000.000</u>	<u>TM 21840.000</u>	<u>TM 21710.000</u>	<u>T 493.400</u>	<u>T 0.000</u>
2	21:15:07	80.824%	<u>M 112.500</u>	<u>M 357.400</u>	<u>M 365.300</u>	0.000	<u>TM 266800.000</u>	<u>TM 21910.000</u>	<u>TM 21790.000</u>	<u>T 491.800</u>	<u>T 0.000</u>
3	21:16:12	82.357%	<u>M 109.900</u>	<u>M 351.100</u>	<u>M 360.600</u>	0.000	<u>TM 264100.000</u>	<u>TM 21820.000</u>	<u>TM 21650.000</u>	<u>T 492.400</u>	<u>T 0.000</u>
X		<u>81.521%</u>	<u>M 110.800</u>	<u>M 356.500</u>	<u>M 363.100</u>	0.000	<u>TM 265600.000</u>	<u>TM 21860.000</u>	<u>TM 21710.000</u>	<u>T 492.500</u>	<u>T 0.000</u>
σ		<u>0.776%</u>	<u>M 1.480</u>	<u>M 4.938</u>	<u>M 2.377</u>	0.000	<u>TM 1422.000</u>	<u>TM 44.420</u>	<u>TM 70.180</u>	<u>T 0.790</u>	<u>T 0.000</u>
%RSD		<u>0.952</u>	<u>M 1.335</u>	<u>M 1.385</u>	<u>M 0.655</u>	0.000	<u>TM 0.535</u>	<u>TM 0.203</u>	<u>TM 0.323</u>	<u>T 0.161</u>	<u>T 0.000</u>
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:14:02	<u>TM 9768.000</u>	<u>M 112400.000</u>	<u>TM 123700.000</u>	95.010%	0.438	98.180	98.130	97.880	295.600	<u>TM 621.500</u>
2	21:15:07	<u>TM 9717.000</u>	<u>M 111600.000</u>	<u>TM 122400.000</u>	95.732%	0.510	98.260	97.830	99.810	280.900	<u>TM 618.900</u>
3	21:16:12	<u>TM 9799.000</u>	<u>M 112500.000</u>	<u>TM 123700.000</u>	94.916%	0.620	97.580	99.170	98.310	304.700	<u>TM 624.400</u>
X		<u>TM 9761.000</u>	<u>M 112200.000</u>	<u>TM 123300.000</u>	95.219%	0.523	98.000	98.380	98.670	293.700	<u>TM 621.600</u>
σ		<u>TM 41.550</u>	<u>M 512.800</u>	<u>TM 777.500</u>	0.447%	0.092	0.370	0.704	1.014	12.040	<u>TM 2.735</u>
%RSD		<u>TM 0.426</u>	<u>M 0.457</u>	<u>TM 0.631</u>	0.469	17.550	0.378	0.715	1.027	4.098	<u>TM 0.440</u>
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:14:02	<u>TM 3825.000</u>	<u>M 4129.000</u>	91.880	93.480	<u>M 111.900</u>	92.460	90.990	<u>M 160.500</u>	<u>M 162.400</u>	<u>M 165.000</u>
2	21:15:07	<u>TM 3807.000</u>	<u>M 4078.000</u>	91.180	92.520	<u>M 107.100</u>	91.920	90.010	<u>M 158.100</u>	<u>M 161.000</u>	<u>M 164.300</u>
3	21:16:12	<u>TM 3842.000</u>	<u>M 4112.000</u>	91.580	92.320	<u>M 109.100</u>	92.110	90.250	<u>M 161.000</u>	<u>M 159.700</u>	<u>M 162.700</u>
X		<u>TM 3825.000</u>	<u>M 4107.000</u>	91.550	92.770	<u>M 109.400</u>	92.160	90.420	<u>M 159.900</u>	<u>M 161.000</u>	<u>M 164.000</u>
σ		<u>TM 17.470</u>	<u>M 25.930</u>	0.354	0.620	<u>M 2.425</u>	0.273	0.508	<u>M 1.569</u>	<u>M 1.347</u>	<u>M 1.167</u>
%RSD		<u>TM 0.457</u>	<u>M 0.632</u>	0.387	0.668	<u>M 2.218</u>	0.296	0.562	<u>M 0.982</u>	<u>M 0.836</u>	<u>M 0.712</u>
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:14:02	<u>M 101.800</u>	<u>M 206.000</u>	<u>M 181.200</u>	0.000	0.000	<u>M 181.500</u>	<u>TM 846.200</u>	91.348%	10.190	10.340
2	21:15:07	<u>M 100.900</u>	<u>M 206.200</u>	<u>M 180.700</u>	0.000	0.000	<u>M 179.700</u>	<u>TM 843.600</u>	91.300%	9.940	10.290
3	21:16:12	<u>M 102.000</u>	<u>M 204.800</u>	<u>M 182.600</u>	0.000	0.000	<u>M 181.400</u>	<u>TM 850.000</u>	90.540%	10.070	10.390
X		<u>M 101.500</u>	<u>M 205.700</u>	<u>M 181.500</u>	0.000	0.000	<u>M 180.900</u>	<u>TM 846.600</u>	91.063%	10.070	10.340
σ		<u>M 0.569</u>	<u>M 0.749</u>	<u>M 0.959</u>	0.000	0.000	<u>M 0.974</u>	<u>TM 3.203</u>	0.453%	0.123	0.050
%RSD		<u>M 0.560</u>	<u>M 0.364</u>	<u>M 0.528</u>	0.000	0.000	<u>M 0.539</u>	<u>TM 0.378</u>	0.498	1.225	0.482
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:14:02	10.300	82.484%	96.930	96.300	0.698	97.500	95.020	97.360	97.720	85.458%
2	21:15:07	10.200	83.364%	93.400	94.820	0.711	94.440	93.860	98.120	96.120	86.102%
3	21:16:12	10.600	81.975%	92.650	96.210	0.913	96.540	95.310	97.710	97.820	85.341%
X		10.370	82.608%	94.330	95.780	0.774	96.160	94.730	97.730	97.220	85.634%
σ		0.209	0.703%	2.284	0.831	0.120	1.564	0.767	0.385	0.953	0.410%
%RSD		2.014	0.851	2.422	0.868	15.560	1.626	0.809	0.393	0.980	0.478
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:14:02	-0.176	<u>M 106.700</u>	<u>M 107.100</u>	<u>M 353.700</u>	89.980%	90.978%	<u>M 102.600</u>	<u>M 102.800</u>	<u>M 102.800</u>	<u>M 103.100</u>
2	21:15:07	-0.170	<u>M 105.900</u>	<u>M 105.200</u>	<u>M 350.100</u>	90.773%	91.053%	<u>M 102.700</u>	<u>M 103.300</u>	<u>M 102.800</u>	<u>M 103.800</u>
3	21:16:12	-0.182	<u>M 107.000</u>	<u>M 107.200</u>	<u>M 353.100</u>	90.640%	90.995%	<u>M 103.500</u>	<u>M 103.600</u>	<u>M 103.700</u>	<u>M 103.400</u>
X		-0.176	<u>M 106.600</u>	<u>M 106.500</u>	<u>M 352.300</u>	90.464%	91.009%	<u>M 102.900</u>	<u>M 103.300</u>	<u>M 103.100</u>	<u>M 103.400</u>
σ		0.006	<u>M 0.552</u>	<u>M 1.104</u>	<u>M 1.935</u>	0.425%	0.040%	<u>M 0.481</u>	<u>M 0.378</u>	<u>M 0.528</u>	<u>M 0.366</u>
%RSD		3.513	<u>M 0.518</u>	<u>M 1.036</u>	<u>M 0.549</u>	0.470	0.044	<u>M 0.468</u>	<u>M 0.366</u>	<u>M 0.512</u>	<u>M 0.354</u>
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	21:14:02	<u>M 103.500</u>	83.816%	0.000	0.000						
2	21:15:07	<u>M 103.400</u>	83.787%	0.000	0.000						
3	21:16:12	<u>M 104.000</u>	83.269%	0.000	0.000						
X		<u>M 103.600</u>	83.624%	0.000	0.000						
σ		<u>M 0.365</u>	0.308%	0.000	0.000						
%RSD		<u>M 0.352</u>	0.368	0.000	0.000						



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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:18:20	78.131%	0.075	m 368.900	m 377.400	0.000	TM 278300.000	TM 22510.000	TM 22270.000	12.350	± 0.000
2	21:19:25	80.121%	-0.066	m 366.200	m 374.400	0.000	TM 270900.000	TM 21870.000	TM 21670.000	11.260	± 0.000
3	21:20:30	78.331%	-0.086	m 373.900	m 383.400	0.000	TM 274300.000	TM 22300.000	TM 22070.000	10.980	± 0.000
X		78.861%	-0.026	m 369.700	m 378.400	0.000	TM 274500.000	TM 22230.000	TM 22000.000	11.530	± 0.000
σ		1.096%	0.088	m 3.918	m 4.601	0.000	TM 3732.000	TM 326.900	TM 306.800	0.722	± 0.000
%RSD		1.390	340.600	m 1.060	m 1.216	0.000	TM 1.360	TM 1.471	TM 1.395	6.265	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:18:20	TM 9602.000	m 114800.000	TM 126900.000	92.865%	0.463	0.931	5.507	4.904	292.100	TM 541.900
2	21:19:25	TM 9519.000	m 112600.000	TM 124900.000	93.834%	0.320	1.021	5.261	6.825	285.400	TM 530.100
3	21:20:30	TM 9563.000	m 114500.000	TM 125900.000	93.105%	0.703	0.910	5.308	4.896	295.900	TM 539.400
X		TM 9561.000	m 114000.000	TM 125900.000	93.268%	0.496	0.954	5.359	5.542	291.100	TM 537.100
σ		TM 41.240	m 1184.000	TM 1021.000	0.505%	0.194	0.059	0.130	1.111	5.304	TM 6.191
%RSD		TM 0.431	m 1.038	TM 0.811	0.542	39.100	6.175	2.434	20.050	1.822	TM 1.153
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:18:20	TM 3510.000	m 3757.000	-0.142	3.361	19.810	3.858	2.083	72.290	74.910	76.820
2	21:19:25	TM 3450.000	m 3709.000	-0.236	3.354	17.930	3.720	1.972	69.540	74.250	74.670
3	21:20:30	TM 3512.000	m 3752.000	-0.269	3.185	18.310	3.599	1.910	71.800	73.420	74.820
X		TM 3490.000	m 3739.000	-0.216	3.300	18.680	3.726	1.988	71.210	74.190	75.440
σ		TM 35.080	m 26.470	0.066	0.099	0.995	0.130	0.087	1.466	0.750	1.201
%RSD		TM 1.005	m 0.708	30.650	3.010	5.323	3.476	4.400	2.058	1.011	1.592
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:18:20	3.063	22.450	1.210	0.000	0.000	1.214	TM 879.800	87.862%	10.540	10.480
2	21:19:25	3.157	20.590	1.117	0.000	0.000	0.832	TM 867.300	89.273%	10.490	10.530
3	21:20:30	2.959	22.380	1.001	0.000	0.000	0.993	TM 877.700	88.075%	10.610	10.690
X		3.060	21.810	1.109	0.000	0.000	1.013	TM 874.900	88.404%	10.550	10.570
σ		0.099	1.051	0.105	0.000	0.000	0.192	TM 6.670	0.760%	0.058	0.111
%RSD		3.226	4.819	9.434	0.000	0.000	18.910	TM 0.762	0.860	0.552	1.051
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:18:20	10.690	80.416%	-3.673	0.467	0.459	0.253	0.507	-0.021	0.089	83.452%
2	21:19:25	10.680	79.914%	-4.401	0.341	0.498	0.127	0.396	-0.177	-0.048	83.024%
3	21:20:30	10.540	80.106%	-3.658	0.336	0.457	0.223	0.363	-0.150	-0.073	82.779%
X		10.630	80.145%	-3.911	0.381	0.471	0.201	0.422	-0.116	-0.011	83.085%
σ		0.082	0.253%	0.425	0.074	0.023	0.066	0.076	0.083	0.087	0.341%
%RSD		0.770	0.316	10.860	19.470	4.862	32.620	17.900	71.580	820.600	0.410
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:18:20	-0.153	0.794	0.768	m 254.700	88.055%	89.035%	0.338	0.560	0.298	0.309
2	21:19:25	-0.161	0.659	0.624	m 255.500	88.266%	88.993%	0.210	0.440	0.166	0.169
3	21:20:30	-0.150	0.616	0.566	m 256.400	87.751%	88.331%	0.219	0.439	0.135	0.118
X		-0.154	0.690	0.653	m 255.500	88.024%	88.786%	0.256	0.480	0.200	0.199
σ		0.005	0.093	0.104	m 0.838	0.259%	0.394%	0.072	0.070	0.087	0.099
%RSD		3.484	13.480	15.960	m 0.328	0.294	0.444	27.940	14.560	43.320	49.890
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	21:18:20	0.359	81.825%	0.000	0.000						
2	21:19:25	0.220	81.655%	0.000	0.000						
3	21:20:30	0.190	81.597%	0.000	0.000						
X		0.256	81.693%	0.000	0.000						
σ		0.090	0.119%	0.000	0.000						
%RSD		35.030	0.145	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:22:37	78.154%	-0.097	M 212.300	M 213.600	0.000	TM 42980.000	M 11980.000	TM 12280.000	T 53.720	T 0.000
2	21:23:43	78.666%	-0.092	M 204.400	M 202.800	0.000	TM 40280.000	M 11100.000	TM 11380.000	T 50.800	T 0.000
3	21:24:48	78.652%	-0.086	M 205.000	M 205.000	0.000	TM 41530.000	TM 11950.000	TM 11970.000	T 54.910	T 0.000
X		78.491%	-0.091	M 207.200	M 207.100	0.000	TM 41590.000	TM 11680.000	TM 11880.000	T 53.140	T 0.000
σ		0.291%	0.005	M 4.413	M 5.686	0.000	TM 1351.000	TM 502.700	TM 457.300	T 2.118	T 0.000
%RSD		0.371	5.815	M 2.130	M 2.745	0.000	TM 3.249	TM 4.306	TM 3.849	T 3.985	T 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:22:37	TM 3584.000	M 94910.000	TM 106200.000	85.205%	1.453	1.100	4.280	4.521	228.400	TM 812.000
2	21:23:43	TM 3373.000	M 86900.000	TM 96860.000	88.697%	0.887	0.828	3.818	3.098	207.800	TM 742.500
3	21:24:48	TM 3506.000	M 91250.000	TM 101500.000	86.774%	1.197	1.211	4.063	4.779	200.300	TM 777.100
X		TM 3488.000	M 91020.000	TM 101500.000	86.892%	1.179	1.046	4.054	4.132	212.200	TM 777.200
σ		TM 106.500	M 4006.000	TM 4685.000	1.749%	0.283	0.197	0.231	0.905	14.540	TM 34.750
%RSD		TM 3.055	M 4.402	TM 4.615	2.013	24.020	18.860	5.703	21.910	6.856	TM 4.471
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:22:37	TM 5286.000	M 5613.000	5.892	17.320	30.820	2.933	2.273	M 204.600	M 196.800	M 205.500
2	21:23:43	TM 4805.000	M 5112.000	5.392	16.060	30.090	2.765	2.228	M 187.400	M 184.000	M 188.500
3	21:24:48	TM 5101.000	M 5395.000	5.669	16.650	31.280	2.846	2.403	M 196.900	M 187.100	M 198.600
X		TM 5064.000	M 5373.000	5.651	16.680	30.730	2.848	2.301	M 196.300	M 189.300	M 197.500
σ		TM 242.700	M 251.000	0.251	0.634	0.598	0.084	0.091	M 8.577	M 6.691	M 8.539
%RSD		TM 4.793	M 4.671	4.437	3.800	1.945	2.951	3.949	M 4.369	M 3.535	M 4.323
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:22:37	1.194	9.352	-0.522	0.000	0.000	0.065	TM 664.700	87.298%	19.320	19.460
2	21:23:43	0.981	6.403	-0.747	0.000	0.000	0.008	TM 607.500	89.658%	17.370	17.250
3	21:24:48	1.124	6.288	-0.534	0.000	0.000	0.039	TM 647.600	86.995%	18.710	19.210
X		1.099	7.348	-0.601	0.000	0.000	0.037	TM 639.900	87.984%	18.470	18.640
σ		0.109	1.737	0.127	0.000	0.000	0.029	TM 29.370	1.458%	1.000	1.214
%RSD		9.907	23.630	21.060	0.000	0.000	76.440	TM 4.590	1.657	5.416	6.514
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:22:37	19.330	77.869%	-3.143	0.312	0.419	0.166	0.364	-0.198	-0.114	81.111%
2	21:23:43	17.670	81.604%	-4.251	0.333	0.487	0.122	0.357	-0.280	-0.173	85.244%
3	21:24:48	18.960	77.730%	-3.027	0.326	0.409	0.133	0.360	-0.200	-0.120	81.317%
X		18.650	79.067%	-3.474	0.324	0.438	0.140	0.360	-0.226	-0.136	82.557%
σ		0.871	2.198%	0.676	0.011	0.043	0.023	0.004	0.047	0.032	2.329%
%RSD		4.668	2.779	19.450	3.293	9.726	16.130	1.034	20.670	23.920	2.821
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:22:37	-0.120	0.260	0.233	M 164.300	85.559%	86.379%	0.064	0.309	0.406	0.365
2	21:23:43	-0.135	0.217	0.192	M 149.500	90.170%	91.051%	0.069	0.296	0.367	0.362
3	21:24:48	-0.092	0.226	0.213	M 159.800	86.536%	87.613%	0.065	0.295	0.405	0.355
X		-0.116	0.234	0.213	M 157.900	87.422%	88.348%	0.066	0.300	0.393	0.361
σ		0.022	0.022	0.020	M 7.606	2.430%	2.421%	0.002	0.008	0.022	0.005
%RSD		19.040	9.556	9.631	M 4.817	2.779	2.741	3.761	2.560	5.543	1.501
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	21:22:37	0.438	82.738%	0.000	0.000						
2	21:23:43	0.410	86.978%	0.000	0.000						
3	21:24:48	0.434	83.936%	0.000	0.000						
X		0.427	84.551%	0.000	0.000						
σ		0.015	2.185%	0.000	0.000						
%RSD		3.547	2.585	0.000	0.000						

6.1  
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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:26:55	77.164%	-0.119	M 353.000	M 353.000	0.000	TM 261600.000	TM 21140.000	TM 20880.000	11.210	T 0.000
2	21:28:01	77.090%	-0.102	M 367.200	M 369.200	0.000	TM 269000.000	TM 21700.000	TM 21420.000	11.310	T 0.000
3	21:29:06	78.875%	-0.141	M 355.400	M 357.800	0.000	TM 262000.000	TM 21150.000	TM 20900.000	11.490	T 0.000
X		77.709%	-0.121	M 358.500	M 360.000	0.000	TM 264200.000	TM 21330.000	TM 21070.000	11.340	T 0.000
σ		1.010%	0.020	M 7.569	M 8.322	0.000	TM 4189.000	TM 323.500	TM 301.900	0.144	T 0.000
%RSD		1.299	16.520	M 2.111	M 2.312	0.000	TM 1.586	TM 1.517	TM 1.433	1.272	T 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:26:55	TM 9179.000	M 109500.000	TM 121300.000	90.035%	0.312	0.913	4.991	4.903	253.200	TM 510.300
2	21:28:01	TM 9377.000	M 112100.000	TM 124200.000	90.550%	0.452	0.569	5.070	4.150	283.400	TM 522.300
3	21:29:06	TM 9244.000	M 109800.000	TM 122000.000	90.755%	0.487	0.851	4.967	4.670	291.700	TM 514.900
X		TM 9267.000	M 110400.000	TM 122500.000	90.446%	0.417	0.778	5.010	4.574	276.100	TM 515.900
σ		TM 100.700	M 1418.000	TM 1557.000	0.371%	0.092	0.183	0.054	0.385	20.220	TM 6.029
%RSD		TM 1.087	M 1.284	TM 1.271	0.410	22.130	23.590	1.074	8.424	7.324	TM 1.169
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:26:55	TM 3281.000	M 3507.000	-0.270	3.004	18.300	3.483	1.684	69.450	71.810	73.030
2	21:28:01	TM 3351.000	M 3582.000	-0.258	3.052	16.790	3.381	1.838	71.830	74.800	75.960
3	21:29:06	TM 3304.000	M 3518.000	-0.268	3.116	16.440	3.358	1.774	71.180	73.900	74.140
X		TM 3312.000	M 3536.000	-0.265	3.058	17.170	3.407	1.766	70.820	73.500	74.370
σ		TM 35.910	M 40.320	0.006	0.056	0.989	0.066	0.078	1.230	1.531	1.482
%RSD		TM 1.084	M 1.140	2.294	1.847	5.757	1.943	4.394	1.737	2.083	1.993
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:26:55	2.859	16.950	0.597	0.000	0.000	0.782	TM 831.600	87.711%	10.590	10.450
2	21:28:01	3.070	19.680	0.839	0.000	0.000	0.834	TM 857.800	86.628%	10.800	10.760
3	21:29:06	2.838	21.850	0.689	0.000	0.000	0.692	TM 834.500	87.871%	10.220	10.780
X		2.923	19.490	0.708	0.000	0.000	0.770	TM 841.300	87.403%	10.540	10.660
σ		0.128	2.455	0.122	0.000	0.000	0.072	TM 14.360	0.676%	0.291	0.186
%RSD		4.388	12.600	17.190	0.000	0.000	9.333	TM 1.707	0.774	2.759	1.745
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:26:55	10.480	79.064%	-3.872	0.309	0.470	0.226	0.351	-0.215	-0.090	82.799%
2	21:28:01	10.910	78.305%	-3.893	0.315	0.460	0.066	0.352	-0.183	-0.054	82.100%
3	21:29:06	10.580	79.150%	-3.415	0.319	0.433	0.129	0.350	-0.156	-0.049	83.030%
X		10.660	78.840%	-3.726	0.315	0.454	0.140	0.351	-0.185	-0.065	82.643%
σ		0.227	0.465%	0.270	0.005	0.019	0.080	0.001	0.030	0.022	0.484%
%RSD		2.130	0.590	7.243	1.591	4.134	57.260	0.311	15.990	34.440	0.586
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:26:55	-0.154	0.538	0.449	M 242.500	87.449%	88.107%	0.039	0.281	0.139	0.126
2	21:28:01	-0.178	0.576	0.543	M 248.100	87.178%	88.065%	0.043	0.277	0.129	0.133
3	21:29:06	-0.158	0.569	0.494	M 244.200	88.989%	89.471%	0.034	0.275	0.128	0.156
X		-0.164	0.561	0.496	M 245.000	87.872%	88.548%	0.039	0.278	0.132	0.139
σ		0.013	0.020	0.047	M 2.851	0.977%	0.800%	0.005	0.003	0.006	0.016
%RSD		7.804	3.554	9.527	M 1.164	1.112	0.904	12.420	1.066	4.629	11.330
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	21:26:55	0.183	80.371%	0.000	0.000						
2	21:28:01	0.186	81.018%	0.000	0.000						
3	21:29:06	0.189	81.807%	0.000	0.000						
X		0.186	81.065%	0.000	0.000						
σ		0.003	0.719%	0.000	0.000						
%RSD		1.481	0.887	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:31:15	89.140%	50.860	60.130	59.310	0.000	726.100	447.800	452.200	441.200	±0.000
2	21:32:20	87.741%	54.470	58.850	58.730	0.000	577.200	466.200	461.900	463.400	±0.000
3	21:33:25	88.483%	52.940	56.480	57.890	0.000	531.300	461.000	464.900	465.500	±0.000
x		88.455%	52.760	58.490	58.640	0.000	611.500	458.300	459.700	456.700	±0.000
σ		0.700%	1.814	1.853	0.711	0.000	101.800	9.480	6.632	13.480	±0.000
%RSD		0.792	3.439	3.169	1.212	0.000	16.650	2.068	1.443	2.952	±0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:31:15	436.700	611.200	606.700	86.814%	49.810	48.690	48.110	49.940	242.800	48.840
2	21:32:20	453.800	537.200	538.100	85.363%	52.290	50.840	50.550	48.900	254.300	50.750
3	21:33:25	455.100	518.800	513.100	85.778%	52.570	51.170	51.000	51.270	244.900	50.630
x		448.600	555.700	552.600	85.985%	51.560	50.240	49.890	50.040	247.300	50.070
σ		10.270	48.900	48.470	0.747%	1.522	1.345	1.557	1.189	6.117	1.068
%RSD		2.289	8.800	8.771	0.869	2.952	2.678	3.121	2.377	2.474	2.133
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:31:15	434.400	462.000	48.130	48.680	59.590	47.860	47.270	49.060	49.490	48.670
2	21:32:20	454.600	478.400	50.480	50.790	61.630	49.960	49.920	50.380	50.250	50.230
3	21:33:25	458.400	479.200	51.030	51.840	59.210	50.250	50.250	51.060	51.010	50.900
x		449.100	473.200	49.880	50.440	60.140	49.350	49.140	50.170	50.250	49.930
σ		12.900	9.717	1.537	1.608	1.303	1.300	1.634	1.017	0.761	1.143
%RSD		2.872	2.054	3.080	3.189	2.167	2.635	3.324	2.026	1.515	2.288
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:31:15	49.220	54.730	50.360	0.000	0.000	49.390	49.730	89.813%	49.300	49.540
2	21:32:20	51.320	56.790	52.180	0.000	0.000	51.900	50.960	88.776%	51.210	51.290
3	21:33:25	51.990	58.200	53.140	0.000	0.000	52.230	51.600	87.921%	51.800	51.690
x		50.840	56.570	51.890	0.000	0.000	51.170	50.760	88.836%	50.770	50.840
σ		1.448	1.746	1.417	0.000	0.000	1.552	0.949	0.947%	1.307	1.140
%RSD		2.848	3.086	2.730	0.000	0.000	3.032	1.870	1.067	2.574	2.242
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:31:15	49.540	87.331%	45.200	48.080	0.596	47.900	47.880	47.490	48.080	89.020%
2	21:32:20	51.180	86.751%	50.570	50.090	0.357	49.490	49.420	50.470	50.710	88.180%
3	21:33:25	52.040	86.722%	52.380	50.680	0.468	52.880	50.240	51.210	51.690	87.019%
x		50.920	86.935%	49.380	49.610	0.473	50.090	49.180	49.720	50.160	88.073%
σ		1.273	0.344%	3.730	1.363	0.119	2.544	1.198	1.966	1.866	1.005%
%RSD		2.500	0.395	7.554	2.747	25.210	5.079	2.437	3.954	3.720	1.141
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:31:15	48.940	48.030	48.080	48.530	91.126%	91.436%	49.140	48.590	49.230	48.910
2	21:32:20	50.870	50.220	50.080	51.130	89.145%	89.525%	50.350	49.960	50.660	50.610
3	21:33:25	51.900	51.810	51.890	52.130	88.644%	88.523%	51.680	50.880	51.990	52.000
x		50.570	50.020	50.020	50.600	89.638%	89.828%	50.390	49.810	50.620	50.510
σ		1.503	1.900	1.908	1.856	1.312%	1.480%	1.270	1.150	1.381	1.544
%RSD		2.972	3.798	3.814	3.667	1.464	1.648	2.521	2.309	2.729	3.057
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	21:31:15	48.960	91.627%	0.000	0.000						
2	21:32:20	50.580	91.199%	0.000	0.000						
3	21:33:25	51.650	90.173%	0.000	0.000						
x		50.390	91.000%	0.000	0.000						
σ		1.356	0.747%	0.000	0.000						
%RSD		2.691	0.821	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:35:33	91.534%	-0.076	5.079	5.424	0.000	39.780	3.104	3.408	2.515	±0.000
2	21:36:38	91.363%	-0.081	4.452	4.994	0.000	32.330	2.107	2.469	2.310	±0.000
3	21:37:43	85.924%	-0.112	3.444	4.677	0.000	42.730	2.860	3.118	±7.545	±0.000
x		89.607%	-0.090	4.325	5.031	0.000	38.280	2.690	2.998	±4.123	±0.000
σ		3.191%	0.019	0.825	0.375	0.000	5.358	0.519	0.481	±2.965	±0.000
%RSD		3.561	21.590	19.070	7.454	0.000	14.000	19.300	16.030	±71.900	±0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:35:33	-3.947	-12.370	-4.082	88.930%	-0.486	0.096	-0.003	0.580	223.500	0.039
2	21:36:38	-2.842	-14.820	-9.438	89.971%	-0.510	0.070	0.044	0.079	227.100	-0.034
3	21:37:43	1.118	-11.960	-6.786	86.381%	-0.482	-0.228	-0.016	0.113	233.800	0.031
x		-1.890	-13.050	-6.768	88.427%	-0.493	-0.021	0.008	0.257	228.100	0.012
σ		2.664	1.545	2.678	1.847%	0.015	0.180	0.031	0.280	5.216	0.040
%RSD		140.900	11.840	39.560	2.089	3.038	868.400	372.200	108.600	2.287	328.800
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:35:33	2.779	2.878	-0.009	-0.139	8.186	0.130	-0.274	-0.467	-0.303	-0.536
2	21:36:38	3.439	2.571	-0.059	-0.208	7.493	0.080	-0.315	-0.453	-0.394	-0.610
3	21:37:43	5.585	4.554	-0.061	-0.212	7.967	0.085	-0.299	-0.481	-0.323	-0.635
x		3.934	3.335	-0.043	-0.186	7.882	0.098	-0.296	-0.467	-0.340	-0.594
σ		1.467	1.067	0.029	0.041	0.354	0.028	0.021	0.014	0.048	0.052
%RSD		37.290	32.000	68.130	22.140	4.494	28.270	6.964	3.008	14.080	8.705
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:35:33	-0.213	2.594	-0.042	0.000	0.000	-0.178	0.043	92.305%	-0.159	-0.098
2	21:36:38	-0.074	2.406	0.079	0.000	0.000	-0.239	-0.053	90.273%	-0.183	-0.168
3	21:37:43	-0.114	3.966	0.654	0.000	0.000	-0.222	-0.072	87.568%	-0.181	-0.143
x		-0.134	2.989	0.231	0.000	0.000	-0.213	-0.027	90.049%	-0.174	-0.136
σ		0.072	0.852	0.372	0.000	0.000	0.032	0.062	2.376%	0.013	0.036
%RSD		53.690	28.490	161.100	0.000	0.000	14.870	226.800	2.639	7.664	26.100
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:35:33	-0.019	91.681%	-0.483	0.355	0.238	0.017	0.398	-0.063	-0.013	91.994%
2	21:36:38	-0.069	89.726%	0.255	0.334	0.183	-0.096	0.372	-0.031	-0.016	89.591%
3	21:37:43	-0.088	86.585%	-0.058	0.327	0.208	-0.036	0.359	-0.068	-0.038	85.200%
x		-0.059	89.331%	-0.096	0.339	0.209	-0.038	0.377	-0.054	-0.023	88.928%
σ		0.036	2.571%	0.370	0.014	0.028	0.056	0.020	0.020	0.013	3.445%
%RSD		61.300	2.878	387.600	4.212	13.290	147.500	5.363	37.590	59.120	3.874
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:35:33	-0.085	0.608	0.575	0.072	92.758%	92.878%	0.146	0.374	0.109	0.116
2	21:36:38	-0.137	0.387	0.335	-0.009	89.073%	89.627%	0.119	0.345	0.053	0.048
3	21:37:43	-0.135	0.330	0.278	-0.054	85.992%	85.773%	0.101	0.337	0.000	0.007
x		-0.119	0.442	0.396	0.003	89.274%	89.426%	0.122	0.352	0.054	0.057
σ		0.030	0.147	0.158	0.064	3.388%	3.557%	0.023	0.019	0.054	0.055
%RSD		24.790	33.280	39.770	1907.000	3.795	3.977	18.810	5.437	101.000	96.970
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	21:35:33	0.177	91.872%	0.000	0.000						
2	21:36:38	0.106	89.156%	0.000	0.000						
3	21:37:43	0.065	85.312%	0.000	0.000						
x		0.116	88.780%	0.000	0.000						
σ		0.056	3.296%	0.000	0.000						
%RSD		48.770	3.713	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:39:52	77.520%	-0.119	M 205.600	M 202.800	0.000	TM 42710.000	TM 12380.000	TM 12350.000	T 24.810	T 0.000
2	21:40:57	76.875%	-0.130	M 209.800	M 211.400	0.000	TM 43280.000	TM 12590.000	TM 12600.000	18.720	T 0.000
3	21:42:03	74.558%	-0.105	M 212.600	M 216.900	0.000	TM 43500.000	TM 12550.000	TM 12530.000	18.140	T 0.000
X		76.318%	-0.118	M 209.300	M 210.400	0.000	TM 43160.000	TM 12510.000	TM 12490.000	T 20.560	T 0.000
σ		1.558%	0.012	M 3.497	M 7.118	0.000	TM 406.500	TM 115.100	TM 127.800	T 3.696	T 0.000
%RSD		2.041	10.230	M 1.670	M 3.383	0.000	TM 0.942	TM 0.920	TM 1.023	T 17.980	T 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:39:52	TM 3682.000	M 95240.000	TM 106000.000	86.136%	0.980	1.089	2.830	3.309	168.300	TM 808.900
2	21:40:57	TM 3774.000	M 97630.000	TM 109200.000	83.403%	0.891	0.875	2.861	2.906	172.800	TM 835.100
3	21:42:03	TM 3713.000	M 95810.000	TM 106400.000	84.663%	0.741	1.076	2.774	2.683	162.500	TM 813.400
X		TM 3723.000	M 96230.000	TM 107200.000	84.734%	0.871	1.013	2.822	2.966	167.900	TM 819.100
σ		TM 47.100	M 1250.000	TM 1724.000	1.368%	0.121	0.120	0.045	0.317	5.166	TM 14.000
%RSD		TM 1.265	M 1.299	TM 1.608	1.614	13.900	11.870	1.579	10.700	3.078	TM 1.709
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:39:52	TM 5619.000	M 5941.000	4.805	14.380	24.430	2.344	1.968	M 165.700	M 160.800	M 165.800
2	21:40:57	TM 5793.000	M 6159.000	4.915	14.610	23.910	2.446	1.911	M 169.600	M 166.700	M 171.800
3	21:42:03	TM 5644.000	M 5951.000	4.817	14.160	22.920	2.476	2.131	M 168.700	M 162.800	M 168.800
X		TM 5685.000	M 6017.000	4.846	14.380	23.760	2.422	2.003	M 168.000	M 163.400	M 168.800
σ		TM 94.070	M 122.700	0.060	0.225	0.766	0.069	0.114	M 2.040	M 2.983	M 2.966
%RSD		TM 1.655	M 2.039	1.242	1.564	3.223	2.850	5.694	M 1.215	M 1.825	M 1.757
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:39:52	1.005	1.554	-0.471	0.000	0.000	-0.083	TM 671.900	86.008%	17.240	17.220
2	21:40:57	0.928	1.806	-0.502	0.000	0.000	0.145	TM 682.500	84.849%	17.290	17.610
3	21:42:03	1.039	0.442	-0.386	0.000	0.000	0.030	TM 678.200	84.730%	17.220	17.860
X		0.991	1.267	-0.453	0.000	0.000	0.031	TM 677.500	85.196%	17.250	17.560
σ		0.057	0.726	0.060	0.000	0.000	0.114	TM 5.338	0.706%	0.035	0.323
%RSD		5.756	57.290	13.210	0.000	0.000	371.600	TM 0.788	0.828	0.201	1.838
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:39:52	17.140	77.955%	-2.511	0.311	0.382	0.231	0.351	-0.210	-0.134	81.262%
2	21:40:57	17.740	76.779%	-2.816	0.306	0.394	0.104	0.345	-0.225	-0.143	79.351%
3	21:42:03	17.770	75.940%	-2.450	0.318	0.377	0.206	0.350	-0.210	-0.130	79.414%
X		17.550	76.891%	-2.592	0.312	0.384	0.180	0.349	-0.215	-0.136	80.009%
σ		0.355	1.012%	0.197	0.006	0.009	0.067	0.003	0.009	0.006	1.085%
%RSD		2.020	1.316	7.580	1.934	2.296	37.350	0.918	4.076	4.684	1.357
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:39:52	-0.158	0.417	0.400	M 162.700	85.031%	85.325%	0.045	0.283	0.055	0.054
2	21:40:57	-0.165	0.382	0.345	M 165.800	83.881%	85.391%	0.039	0.277	0.057	0.052
3	21:42:03	-0.166	0.359	0.307	M 164.300	84.905%	85.225%	0.039	0.279	0.043	0.045
X		-0.163	0.386	0.351	M 164.300	84.606%	85.314%	0.041	0.280	0.052	0.050
σ		0.005	0.030	0.046	M 1.550	0.631%	0.084%	0.003	0.003	0.007	0.004
%RSD		2.889	7.671	13.230	M 0.943	0.745	0.098	8.425	1.154	14.550	8.832
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	21:39:52	0.114	82.294%	0.000	0.000						
2	21:40:57	0.106	81.769%	0.000	0.000						
3	21:42:03	0.101	81.650%	0.000	0.000						
X		0.107	81.904%	0.000	0.000						
σ		0.006	0.342%	0.000	0.000						
%RSD		5.934	0.418	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:11	74.489%	-0.106	M 364.700	M 362.100	0.000	TM 268400.000	TM 21780.000	TM 21500.000	11.560	± 0.000
2	21:45:16	79.031%	-0.119	M 347.100	M 352.800	0.000	TM 263200.000	TM 21430.000	TM 21190.000	11.790	± 0.000
3	21:46:21	79.604%	-0.103	M 344.400	M 342.400	0.000	TM 257700.000	TM 20850.000	TM 20630.000	11.070	± 0.000
X		77.708%	-0.109	M 352.100	M 352.400	0.000	TM 263100.000	TM 21350.000	TM 21110.000	11.480	± 0.000
σ		2.802%	0.009	M 10.980	M 9.844	0.000	TM 5356.000	TM 466.800	TM 438.300	0.369	± 0.000
%RSD		3.606	7.952	M 3.117	M 2.793	0.000	TM 2.036	TM 2.186	TM 2.077	3.213	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:11	TM 9391.000	M 110900.000	TM 123300.000	87.926%	0.568	1.160	4.936	5.283	240.600	TM 521.800
2	21:45:16	TM 9450.000	M 112800.000	TM 125000.000	88.391%	0.439	1.354	5.208	6.915	260.800	TM 527.700
3	21:46:21	TM 9289.000	M 109200.000	TM 120500.000	89.924%	0.306	1.176	4.934	5.171	275.200	TM 510.000
X		TM 9377.000	M 111000.000	TM 122900.000	88.747%	0.438	1.230	5.026	5.790	258.800	TM 519.900
σ		TM 81.840	M 1775.000	TM 2297.000	1.045%	0.131	0.108	0.158	0.977	17.360	TM 9.014
%RSD		TM 0.873	M 1.599	TM 1.869	1.178	29.970	8.748	3.139	16.870	6.707	TM 1.734
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:11	TM 3354.000	M 3594.000	-0.267	3.071	14.820	3.652	1.995	70.880	73.610	75.660
2	21:45:16	TM 3405.000	M 3639.000	-0.301	3.401	14.590	3.557	2.137	71.350	75.980	76.170
3	21:46:21	TM 3264.000	M 3497.000	-0.286	3.199	12.840	3.462	2.015	69.040	71.620	72.850
X		TM 3341.000	M 3577.000	-0.285	3.224	14.080	3.557	2.049	70.430	73.740	74.890
σ		TM 71.260	M 72.840	0.017	0.166	1.082	0.095	0.077	1.223	2.181	1.784
%RSD		TM 2.133	M 2.037	6.047	5.153	7.686	2.671	3.758	1.736	2.957	2.382
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:11	2.715	16.060	0.796	0.000	0.000	0.833	TM 855.400	84.807%	10.280	10.410
2	21:45:16	2.950	18.310	0.688	0.000	0.000	1.015	TM 864.700	84.797%	10.500	10.720
3	21:46:21	2.761	19.360	0.544	0.000	0.000	0.837	TM 830.400	86.814%	10.190	10.260
X		2.809	17.910	0.676	0.000	0.000	0.895	TM 850.200	85.473%	10.330	10.460
σ		0.125	1.684	0.127	0.000	0.000	0.104	TM 17.720	1.162%	0.159	0.235
%RSD		4.431	9.400	18.750	0.000	0.000	11.620	TM 2.084	1.360	1.538	2.245
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:11	10.480	76.887%	-4.723	0.299	0.525	0.235	0.347	-0.240	-0.125	80.408%
2	21:45:16	10.640	76.877%	-4.447	0.306	0.507	0.234	0.348	-0.221	-0.112	80.769%
3	21:46:21	10.230	78.815%	-3.311	0.295	0.431	0.195	0.346	-0.158	-0.061	82.320%
X		10.450	77.526%	-4.161	0.300	0.488	0.221	0.347	-0.206	-0.099	81.166%
σ		0.204	1.116%	0.749	0.005	0.050	0.023	0.001	0.043	0.034	1.016%
%RSD		1.950	1.440	17.990	1.811	10.200	10.420	0.202	20.790	34.080	1.252
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:11	-0.141	0.679	0.654	M 246.500	85.624%	86.469%	0.024	0.266	0.135	0.137
2	21:45:16	-0.147	0.633	0.616	M 250.900	86.274%	86.714%	0.026	0.267	0.122	0.125
3	21:46:21	-0.150	0.631	0.562	M 241.700	87.728%	88.221%	0.024	0.265	0.146	0.121
X		-0.146	0.648	0.611	M 246.400	86.542%	87.135%	0.025	0.266	0.134	0.128
σ		0.005	0.027	0.046	M 4.615	1.077%	0.949%	0.001	0.001	0.012	0.008
%RSD		3.196	4.136	7.543	M 1.873	1.245	1.089	4.681	0.442	9.122	6.642
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	21:44:11	0.186	79.640%	0.000	0.000						
2	21:45:16	0.178	79.476%	0.000	0.000						
3	21:46:21	0.183	81.338%	0.000	0.000						
X		0.182	80.151%	0.000	0.000						
σ		0.004	1.031%	0.000	0.000						
%RSD		2.053	1.287	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:48:29	78.001%	-0.113	<u>M 168.100</u>	<u>M 170.700</u>	0.000	<u>TM 24250.000</u>	<u>M 7357.000</u>	<u>M 7457.000</u>	<u>T 66.480</u>	<u>T 0.000</u>
2	21:49:34	77.904%	-0.130	<u>M 170.200</u>	<u>M 170.200</u>	0.000	<u>TM 24080.000</u>	<u>M 7331.000</u>	<u>M 7369.000</u>	<u>T 67.760</u>	<u>T 0.000</u>
3	21:50:39	78.256%	-0.130	<u>M 166.200</u>	<u>M 164.100</u>	0.000	<u>TM 23460.000</u>	<u>M 7117.000</u>	<u>M 7143.000</u>	<u>T 63.780</u>	<u>T 0.000</u>
X		78.054%	-0.124	<u>M 168.200</u>	<u>M 168.300</u>	0.000	<u>TM 23930.000</u>	<u>M 7268.000</u>	<u>M 7323.000</u>	<u>T 66.010</u>	<u>T 0.000</u>
σ		0.181%	0.010	<u>M 2.006</u>	<u>M 3.711</u>	0.000	<u>TM 420.300</u>	<u>M 131.400</u>	<u>M 162.100</u>	<u>T 2.032</u>	<u>T 0.000</u>
%RSD		0.233	7.839	<u>M 1.193</u>	<u>M 2.205</u>	0.000	<u>TM 1.756</u>	<u>M 1.808</u>	<u>M 2.213</u>	<u>T 3.078</u>	<u>T 0.000</u>
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:48:29	<u>TM 2524.000</u>	<u>M 101800.000</u>	<u>TM 114000.000</u>	80.434%	2.070	0.154	0.520	0.297	170.100	<u>TM 3272.000</u>
2	21:49:34	<u>TM 2492.000</u>	<u>M 101000.000</u>	<u>TM 112000.000</u>	81.066%	2.218	0.074	0.429	0.555	144.400	<u>TM 3221.000</u>
3	21:50:39	<u>TM 2459.000</u>	<u>M 98040.000</u>	<u>TM 108700.000</u>	82.504%	2.260	0.456	0.408	1.648	124.400	<u>TM 3110.000</u>
X		<u>TM 2492.000</u>	<u>M 100300.000</u>	<u>TM 111600.000</u>	81.334%	2.183	0.228	0.452	0.833	146.300	<u>TM 3201.000</u>
σ		<u>TM 32.750</u>	<u>M 1966.000</u>	<u>TM 2715.000</u>	1.061%	0.100	0.202	0.060	0.718	22.920	<u>TM 82.780</u>
%RSD		<u>TM 1.314</u>	<u>M 1.961</u>	<u>TM 2.434</u>	1.304	4.571	88.570	13.200	86.110	15.670	<u>TM 2.586</u>
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:48:29	<u>TM 10870.000</u>	<u>M 11680.000</u>	8.036	2.938	11.670	3.261	3.041	5.408	8.567	6.647
2	21:49:34	<u>TM 10710.000</u>	<u>M 11490.000</u>	7.906	3.088	11.620	3.297	2.919	5.068	7.862	6.825
3	21:50:39	<u>TM 10320.000</u>	<u>M 11100.000</u>	7.540	2.820	11.840	3.130	2.690	4.949	6.776	6.649
X		<u>TM 10630.000</u>	<u>M 11420.000</u>	7.828	2.949	11.710	3.230	2.884	5.141	7.735	6.707
σ		<u>TM 283.300</u>	<u>M 297.000</u>	0.257	0.135	0.115	0.088	0.178	0.238	0.902	0.102
%RSD		<u>TM 2.664</u>	<u>M 2.600</u>	3.286	4.565	0.985	2.715	6.182	4.634	11.660	1.523
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:48:29	3.160	4.080	-0.561	0.000	0.000	-0.109	<u>TM 712.600</u>	86.863%	0.789	0.846
2	21:49:34	3.092	0.745	-0.386	0.000	0.000	-0.034	<u>TM 700.500</u>	87.251%	0.703	0.750
3	21:50:39	3.046	-1.665	-0.699	0.000	0.000	0.008	<u>TM 680.800</u>	88.561%	0.640	0.718
X		3.099	1.053	-0.549	0.000	0.000	-0.045	<u>TM 698.000</u>	87.558%	0.710	0.771
σ		0.057	2.885	0.156	0.000	0.000	0.059	<u>TM 16.050</u>	0.890%	0.075	0.066
%RSD		1.842	273.900	28.510	0.000	0.000	131.100	<u>TM 2.299</u>	1.016	10.550	8.593
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:48:29	0.893	74.683%	-3.967	0.308	0.470	0.143	0.350	-0.279	-0.171	77.945%
2	21:49:34	0.827	76.361%	-3.963	0.302	0.461	0.004	0.350	-0.257	-0.170	78.850%
3	21:50:39	0.807	76.911%	-2.802	0.306	0.393	0.103	0.348	-0.215	-0.121	79.752%
X		0.843	75.985%	-3.577	0.305	0.441	0.083	0.349	-0.250	-0.154	78.849%
σ		0.045	1.161%	0.672	0.003	0.042	0.071	0.001	0.033	0.028	0.904%
%RSD		5.304	1.528	18.780	0.950	9.609	85.320	0.300	13.000	18.480	1.146
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:48:29	-0.047	0.119	0.060	99.320	82.010%	82.952%	0.025	0.267	0.639	0.584
2	21:49:34	-0.008	0.082	0.054	97.120	83.574%	84.703%	0.032	0.266	0.627	0.573
3	21:50:39	-0.026	0.082	0.043	94.060	84.938%	85.321%	0.023	0.265	0.623	0.565
X		-0.027	0.094	0.053	96.830	83.507%	84.325%	0.026	0.266	0.629	0.574
σ		0.019	0.021	0.008	2.640	1.465%	1.229%	0.005	0.001	0.009	0.009
%RSD		71.660	22.280	16.100	2.727	1.755	1.457	18.230	0.451	1.354	1.653
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	21:48:29	0.653	81.535%	0.000	0.000						
2	21:49:34	0.657	82.765%	0.000	0.000						
3	21:50:39	0.640	82.694%	0.000	0.000						
X		0.650	82.332%	0.000	0.000						
σ		0.009	0.690%	0.000	0.000						
%RSD		1.324	0.839	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:52:47	77.410%	-0.141	80.730	79.430	0.000	TM 18500.000	M 7098.000	M 7111.000	9.342	± 0.000
2	21:53:53	78.923%	-0.114	78.100	77.500	0.000	TM 18160.000	M 6987.000	M 7033.000	9.151	± 0.000
3	21:54:58	80.117%	-0.109	74.820	75.350	0.000	TM 17410.000	M 6632.000	M 6675.000	8.752	± 0.000
X		78.817%	-0.121	77.880	77.430	0.000	TM 18020.000	M 6906.000	M 6940.000	9.082	± 0.000
σ		1.357%	0.017	2.961	2.043	0.000	TM 561.200	M 243.800	M 232.500	0.301	± 0.000
%RSD		1.721	14.320	3.802	2.638	0.000	TM 3.113	M 3.530	M 3.350	3.313	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:52:47	TM 5059.000	M 105700.000	TM 117800.000	81.236%	0.342	0.448	0.567	0.525	119.000	TM 1676.000
2	21:53:53	TM 5024.000	M 104800.000	TM 116500.000	81.775%	0.311	0.482	0.495	0.455	115.600	TM 1664.000
3	21:54:58	TM 4822.000	M 98800.000	TM 110000.000	83.932%	0.304	0.590	0.436	1.638	108.100	TM 1572.000
X		TM 4968.000	M 103100.000	TM 114800.000	82.314%	0.319	0.507	0.499	0.873	114.300	TM 1637.000
σ		TM 128.100	M 3773.000	TM 4205.000	1.426%	0.020	0.074	0.066	0.664	5.613	TM 57.100
%RSD		TM 2.577	M 3.659	TM 3.664	1.733	6.360	14.610	13.180	76.060	4.912	TM 3.488
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:52:47	TM 10310.000	M 11050.000	-0.360	9.901	16.690	3.529	2.966	37.180	42.040	42.500
2	21:53:53	TM 10270.000	M 11040.000	-0.414	9.873	17.940	3.432	3.095	37.140	40.410	41.770
3	21:54:58	TM 9669.000	M 10380.000	-0.386	8.967	17.580	3.340	2.996	34.870	37.670	38.600
X		TM 10080.000	M 10820.000	-0.387	9.580	17.400	3.434	3.019	36.390	40.400	40.960
σ		TM 358.600	M 387.400	0.027	0.531	0.643	0.095	0.067	1.321	2.204	2.071
%RSD		TM 3.556	M 3.579	6.978	5.544	3.694	2.755	2.233	3.629	5.505	5.057
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:52:47	10.790	-1.783	-0.377	0.000	0.000	-0.106	TM 1057.000	82.551%	1.231	1.366
2	21:53:53	10.670	-1.847	-0.334	0.000	0.000	-0.081	TM 1054.000	82.307%	1.291	1.287
3	21:54:58	10.020	-3.332	-0.542	0.000	0.000	-0.171	TM 985.100	84.791%	1.097	1.213
X		10.490	-2.321	-0.418	0.000	0.000	-0.119	TM 1032.000	83.216%	1.206	1.289
σ		0.418	0.876	0.110	0.000	0.000	0.046	TM 40.670	1.369%	0.099	0.076
%RSD		3.981	37.760	26.320	0.000	0.000	38.620	TM 3.941	1.645	8.205	5.910
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:52:47	1.371	76.966%	-4.315	0.309	0.492	0.135	0.348	-0.318	-0.194	80.509%
2	21:53:53	1.300	77.431%	-4.389	0.302	0.495	0.102	0.349	-0.313	-0.193	80.459%
3	21:54:58	1.181	79.477%	-4.069	0.317	0.471	0.064	0.349	-0.282	-0.177	83.538%
X		1.284	77.958%	-4.258	0.309	0.486	0.100	0.348	-0.304	-0.188	81.502%
σ		0.096	1.336%	0.168	0.007	0.013	0.036	0.001	0.020	0.010	1.763%
%RSD		7.478	1.714	3.933	2.345	2.711	35.750	0.171	6.440	5.249	2.164
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:52:47	-0.124	0.192	0.148	M 238.000	84.612%	85.641%	0.030	0.266	0.321	0.286
2	21:53:53	-0.112	0.182	0.138	M 235.700	85.456%	85.931%	0.029	0.264	0.312	0.302
3	21:54:58	-0.115	0.154	0.118	M 222.000	88.241%	88.715%	0.024	0.264	0.292	0.279
X		-0.117	0.176	0.135	M 231.900	86.103%	86.762%	0.027	0.265	0.308	0.289
σ		0.006	0.020	0.016	M 8.606	1.899%	1.697%	0.003	0.001	0.015	0.012
%RSD		5.355	11.210	11.570	M 3.711	2.205	1.956	11.760	0.358	4.854	4.108
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	21:52:47	0.355	83.594%	0.000	0.000						
2	21:53:53	0.366	83.532%	0.000	0.000						
3	21:54:58	0.340	86.094%	0.000	0.000						
X		0.354	84.407%	0.000	0.000						
σ		0.013	1.461%	0.000	0.000						
%RSD		3.643	1.731	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:57:06	77.899%	-0.147	M 153.900	M 153.400	0.000	TM 22820.000	M 6776.000	M 6873.000	51.540	± 0.000
2	21:58:11	78.029%	-0.130	M 156.200	M 155.400	0.000	TM 22180.000	M 6573.000	M 6610.000	± 59.930	± 0.000
3	21:59:16	79.019%	-0.125	M 147.900	M 152.500	0.000	TM 22520.000	M 6726.000	M 6805.000	± 64.250	± 0.000
X		78.316%	-0.134	M 152.700	M 153.700	0.000	TM 22500.000	M 6692.000	M 6763.000	± 58.570	± 0.000
σ		0.612%	0.011	M 4.276	M 1.454	0.000	TM 318.900	M 106.000	M 136.700	± 6.463	± 0.000
%RSD		0.782	8.597	M 2.801	M 0.945	0.000	TM 1.417	M 1.584	M 2.022	± 11.030	± 0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:57:06	TM 2408.000	M 94440.000	TM 105500.000	80.579%	2.505	0.251	0.606	0.962	108.800	TM 2997.000
2	21:58:11	TM 2337.000	M 90940.000	TM 100800.000	82.333%	2.174	0.071	0.489	0.756	106.300	TM 2859.000
3	21:59:16	TM 2410.000	M 94610.000	TM 105900.000	79.950%	2.103	0.321	0.560	1.284	101.900	TM 2993.000
X		TM 2385.000	M 93330.000	TM 104100.000	80.954%	2.261	0.214	0.552	1.001	105.700	TM 2949.000
σ		TM 41.320	M 2069.000	TM 2810.000	1.235%	0.215	0.129	0.059	0.266	3.464	TM 78.560
%RSD		TM 1.732	M 2.217	TM 2.701	1.526	9.507	60.200	10.640	26.610	3.279	TM 2.664

Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:57:06	TM 10160.000	M 10850.000	7.334	6.123	14.230	1.905	1.477	8.079	9.569	9.602
2	21:58:11	TM 9691.000	M 10330.000	7.017	5.735	13.400	1.710	1.357	7.689	9.696	9.005
3	21:59:16	TM 10200.000	M 10840.000	7.282	6.095	13.270	1.881	1.578	8.170	9.590	9.789
X		TM 10020.000	M 10670.000	7.211	5.984	13.630	1.832	1.471	7.979	9.618	9.465
σ		TM 282.500	M 299.100	0.170	0.216	0.521	0.106	0.111	0.256	0.068	0.410
%RSD		TM 2.821	M 2.802	2.356	3.612	3.824	5.793	7.550	3.207	0.709	4.327

Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:57:06	2.971	-3.855	-0.365	0.000	0.000	-0.010	TM 663.600	87.101%	0.929	1.087
2	21:58:11	2.765	-4.899	-0.772	0.000	0.000	-0.145	TM 633.300	89.067%	0.948	0.863
3	21:59:16	3.069	-4.891	-0.691	0.000	0.000	0.004	TM 664.300	86.968%	1.024	1.022
X		2.935	-4.548	-0.609	0.000	0.000	-0.051	TM 653.700	87.712%	0.967	0.991
σ		0.155	0.601	0.216	0.000	0.000	0.082	TM 17.730	1.175%	0.050	0.115
%RSD		5.287	13.200	35.400	0.000	0.000	162.000	TM 2.712	1.340	5.166	11.640

Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:57:06	1.015	76.801%	-3.519	0.300	0.434	0.037	0.352	-0.251	-0.151	79.944%
2	21:58:11	1.041	78.655%	-3.899	0.304	0.452	-0.064	0.351	-0.239	-0.153	81.859%
3	21:59:16	1.043	74.987%	-2.490	0.314	0.376	0.174	0.348	-0.177	-0.119	79.546%
X		1.033	76.814%	-3.303	0.306	0.421	0.049	0.351	-0.222	-0.141	80.449%
σ		0.015	1.834%	0.729	0.007	0.040	0.119	0.002	0.040	0.019	1.236%
%RSD		1.468	2.388	22.070	2.340	9.405	243.300	0.689	17.810	13.520	1.537

Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:57:06	-0.154	0.035	-0.017	88.480	84.008%	85.038%	0.025	0.264	0.555	0.481
2	21:58:11	-0.153	0.032	-0.025	83.250	86.219%	87.192%	0.025	0.264	0.510	0.478
3	21:59:16	-0.148	0.026	-0.015	87.420	84.504%	84.707%	0.023	0.262	0.521	0.483
X		-0.152	0.031	-0.019	86.380	84.910%	85.645%	0.025	0.263	0.529	0.481
σ		0.003	0.004	0.005	2.766	1.160%	1.349%	0.001	0.001	0.023	0.002
%RSD		2.040	14.460	25.990	3.202	1.366	1.575	4.738	0.485	4.429	0.504

Run	Time	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb
1	21:57:06	0.568	83.271%	0.000	0.000
2	21:58:11	0.543	85.234%	0.000	0.000
3	21:59:16	0.552	82.347%	0.000	0.000
X		0.554	83.617%	0.000	0.000
σ		0.013	1.475%	0.000	0.000
%RSD		2.280	1.763	0.000	0.000

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User Pre-dilution: 1.000

Table with 12 columns (Run, Time, 6Li, 9Be, 10B, 11B, 13C, 23Na, 25Mg, 26Mg, 27Al, 37Cl) and multiple rows for different elements and their isotopes, including standard deviations and relative standard deviations.

6.1 6

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:42	82.649%	-0.137	5.407	5.330	0.000	94.400	41.140	41.320	10.150	0.000
2	22:06:47	84.468%	-0.148	3.556	4.209	0.000	40.570	9.080	9.609	4.159	0.000
3	22:07:52	87.043%	-0.133	3.523	3.517	0.000	41.040	6.576	6.599	3.927	0.000
x		84.720%	-0.139	4.162	4.352	0.000	58.670	18.930	19.180	6.079	0.000
σ		2.208%	0.008	1.078	0.915	0.000	30.940	19.270	19.240	3.527	0.000
%RSD		2.606	5.533	25.910	21.020	0.000	52.740	101.800	100.300	58.030	0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:42	11.360	571.300	575.000	81.847%	-0.434	-0.170	-0.236	-0.354	138.600	8.278
2	22:06:47	1.697	107.900	114.000	83.450%	-0.454	-0.125	-0.221	0.470	148.800	1.593
3	22:07:52	1.348	41.670	49.770	83.759%	-0.454	-0.074	-0.200	0.063	155.000	0.732
x		4.800	240.300	246.200	83.019%	-0.447	-0.123	-0.219	0.060	147.500	3.534
σ		5.680	288.500	286.500	1.027%	0.011	0.048	0.018	0.412	8.299	4.131
%RSD		118.300	120.100	116.300	1.237	2.564	39.050	8.236	689.500	5.627	116.900
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:42	71.290	81.470	-0.092	0.026	4.783	1.176	0.899	0.411	0.467	0.391
2	22:06:47	23.220	27.540	-0.094	-0.024	5.418	1.217	1.008	0.316	0.261	0.237
3	22:07:52	15.880	18.260	-0.092	-0.033	4.887	1.247	0.873	0.372	0.264	0.167
x		36.800	42.420	-0.093	-0.010	5.030	1.214	0.927	0.366	0.331	0.265
σ		30.100	34.130	0.001	0.032	0.341	0.036	0.071	0.048	0.118	0.114
%RSD		81.790	80.460	1.562	307.500	6.772	2.928	7.686	13.040	35.670	43.210
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:42	-0.165	-6.043	-0.201	0.000	0.000	-0.281	4.877	84.816%	-0.268	-0.219
2	22:06:47	-0.297	-4.101	-0.169	0.000	0.000	-0.258	0.882	85.836%	-0.278	-0.239
3	22:07:52	-0.235	-4.031	-0.285	0.000	0.000	-0.300	0.287	87.421%	-0.271	-0.237
x		-0.232	-4.725	-0.218	0.000	0.000	-0.280	2.016	86.024%	-0.272	-0.231
σ		0.066	1.142	0.060	0.000	0.000	0.021	2.496	1.312%	0.005	0.011
%RSD		28.580	24.170	27.330	0.000	0.000	7.633	123.900	1.526	1.860	4.796
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:42	-0.159	84.945%	-0.031	0.308	0.205	-0.035	0.348	-0.068	-0.053	86.056%
2	22:06:47	-0.156	85.118%	-0.019	0.309	0.204	-0.035	0.349	-0.069	-0.042	85.892%
3	22:07:52	-0.164	87.127%	0.359	0.300	0.182	-0.007	0.347	-0.045	-0.040	86.834%
x		-0.160	85.730%	0.103	0.305	0.197	-0.026	0.348	-0.061	-0.045	86.261%
σ		0.004	1.213%	0.222	0.005	0.013	0.017	0.001	0.014	0.007	0.503%
%RSD		2.548	1.415	214.900	1.661	6.601	64.240	0.344	22.290	14.690	0.583
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:42	-0.164	-0.063	-0.099	1.215	88.400%	88.210%	0.017	0.259	-0.022	-0.018
2	22:06:47	-0.165	-0.066	-0.090	0.313	87.680%	88.613%	0.018	0.259	-0.020	-0.012
3	22:07:52	-0.158	-0.051	-0.097	0.094	88.373%	89.495%	0.020	0.260	-0.020	-0.018
x		-0.162	-0.060	-0.095	0.541	88.151%	88.773%	0.018	0.259	-0.020	-0.016
σ		0.004	0.008	0.005	0.594	0.408%	0.657%	0.002	0.001	0.001	0.003
%RSD		2.162	13.020	4.761	109.900	0.463	0.740	9.192	0.202	4.933	20.950
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	22:05:42	0.039	88.955%	0.000	0.000						
2	22:06:47	0.042	89.304%	0.000	0.000						
3	22:07:52	0.040	90.994%	0.000	0.000						
x		0.041	89.751%	0.000	0.000						
σ		0.002	1.091%	0.000	0.000						
%RSD		3.741	1.215	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:09:59	86.359%	<u>M 103.500</u>	3.088	3.266	0.000	453.000	445.700	452.100	450.300	<u>± 0.000</u>
2	22:11:04	85.517%	<u>M 110.800</u>	3.129	3.188	0.000	468.900	470.000	469.100	478.400	<u>± 0.000</u>
3	22:12:10	82.664%	<u>M 112.500</u>	2.804	2.698	0.000	477.100	479.400	476.600	483.400	<u>± 0.000</u>
X		84.846%	<u>M 108.900</u>	3.007	3.051	0.000	466.300	465.000	465.900	470.700	<u>± 0.000</u>
σ		1.937%	<u>M 4.804</u>	0.177	0.308	0.000	12.270	17.390	12.590	17.860	<u>± 0.000</u>
%RSD		2.283	<u>M 4.411</u>	5.885	10.090	0.000	2.631	3.740	2.701	3.795	<u>± 0.000</u>
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:09:59	<u>± 493.200</u>	449.900	467.500	84.194%	-0.423	<u>M 100.200</u>	99.740	99.220	183.000	<u>M 100.900</u>
2	22:11:04	469.700	495.900	492.700	83.104%	-0.502	<u>M 106.500</u>	<u>M 106.000</u>	<u>M 106.500</u>	172.300	<u>M 106.200</u>
3	22:12:10	475.600	473.600	495.900	82.415%	-0.435	<u>M 107.500</u>	<u>M 107.000</u>	<u>M 107.400</u>	172.800	<u>M 106.900</u>
X		<u>± 479.500</u>	473.100	485.300	83.238%	-0.453	<u>M 104.700</u>	<u>M 104.200</u>	<u>M 104.400</u>	176.100	<u>M 104.700</u>
σ		<u>± 12.200</u>	23.000	15.570	0.897%	0.043	<u>M 3.946</u>	<u>M 3.921</u>	<u>M 4.479</u>	6.021	<u>M 3.280</u>
%RSD		<u>± 2.544</u>	4.860	3.208	1.078	9.462	<u>M 3.767</u>	<u>M 3.762</u>	<u>M 4.291</u>	3.420	<u>M 3.133</u>
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:09:59	440.500	462.800	<u>M 100.200</u>	99.660	<u>M 104.400</u>	<u>M 100.700</u>	<u>M 100.500</u>	99.390	99.220	99.810
2	22:11:04	469.800	495.600	<u>M 105.700</u>	<u>M 104.400</u>	<u>M 109.200</u>	<u>M 106.500</u>	<u>M 106.500</u>	<u>M 106.200</u>	<u>M 105.900</u>	<u>M 106.700</u>
3	22:12:10	471.200	498.300	<u>M 106.200</u>	<u>M 104.700</u>	<u>M 109.400</u>	<u>M 107.000</u>	<u>M 106.000</u>	<u>M 106.500</u>	<u>M 104.500</u>	<u>M 106.600</u>
X		460.500	485.600	<u>M 104.000</u>	<u>M 102.900</u>	<u>M 107.700</u>	<u>M 104.700</u>	<u>M 104.300</u>	<u>M 104.000</u>	<u>M 103.200</u>	<u>M 104.400</u>
σ		17.330	19.730	<u>M 3.310</u>	<u>M 2.831</u>	<u>M 2.812</u>	<u>M 3.516</u>	<u>M 3.344</u>	<u>M 4.020</u>	<u>M 3.540</u>	<u>M 3.945</u>
%RSD		3.763	4.064	<u>M 3.182</u>	<u>M 2.750</u>	<u>M 2.612</u>	<u>M 3.357</u>	<u>M 3.205</u>	<u>M 3.864</u>	<u>M 3.430</u>	<u>M 3.780</u>
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:09:59	<u>M 103.100</u>	<u>M 202.000</u>	<u>M 200.800</u>	0.000	0.000	<u>M 200.800</u>	-0.020	87.981%	-0.274	-0.217
2	22:11:04	<u>M 108.100</u>	<u>M 215.000</u>	<u>M 211.300</u>	0.000	0.000	<u>M 209.900</u>	-0.051	86.333%	-0.278	-0.231
3	22:12:10	<u>M 109.500</u>	<u>M 213.000</u>	<u>M 213.200</u>	0.000	0.000	<u>M 212.600</u>	-0.070	85.501%	-0.272	-0.236
X		<u>M 106.900</u>	<u>M 210.000</u>	<u>M 208.500</u>	0.000	0.000	<u>M 207.800</u>	-0.047	86.605%	-0.275	-0.228
σ		<u>M 3.346</u>	<u>M 7.013</u>	<u>M 6.669</u>	0.000	0.000	<u>M 6.171</u>	0.025	1.262%	0.003	0.010
%RSD		<u>M 3.129</u>	<u>M 3.339</u>	<u>M 3.199</u>	0.000	0.000	<u>M 2.970</u>	54.410	1.458	1.179	4.340
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:09:59	-0.151	87.353%	<u>M 100.900</u>	99.330	0.456	98.000	98.910	<u>M 100.100</u>	<u>M 101.100</u>	88.801%
2	22:11:04	-0.157	84.310%	<u>M 107.300</u>	<u>M 105.100</u>	0.505	<u>M 104.600</u>	<u>M 105.000</u>	<u>M 108.200</u>	<u>M 108.000</u>	85.897%
3	22:12:10	-0.161	85.154%	<u>M 105.300</u>	<u>M 104.000</u>	0.927	<u>M 108.900</u>	<u>M 103.800</u>	<u>M 106.300</u>	<u>M 105.300</u>	86.983%
X		-0.157	85.605%	<u>M 104.500</u>	<u>M 102.800</u>	0.629	<u>M 103.800</u>	<u>M 102.600</u>	<u>M 104.900</u>	<u>M 104.800</u>	87.227%
σ		0.005	1.571%	<u>M 3.254</u>	<u>M 3.063</u>	0.259	<u>M 5.469</u>	<u>M 3.224</u>	<u>M 4.231</u>	<u>M 3.477</u>	1.468%
%RSD		3.127	1.835	<u>M 3.114</u>	<u>M 2.979</u>	41.160	<u>M 5.267</u>	<u>M 3.143</u>	<u>M 4.034</u>	<u>M 3.317</u>	1.682
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:09:59	-0.212	<u>M 103.500</u>	<u>M 103.500</u>	<u>M 101.200</u>	91.557%	91.577%	<u>M 102.100</u>	<u>M 102.500</u>	<u>M 101.700</u>	<u>M 101.100</u>
2	22:11:04	-0.207	<u>M 111.700</u>	<u>M 111.200</u>	<u>M 108.900</u>	88.323%	88.142%	<u>M 108.300</u>	<u>M 108.800</u>	<u>M 109.400</u>	<u>M 109.800</u>
3	22:12:10	-0.208	<u>M 109.700</u>	<u>M 109.300</u>	<u>M 107.900</u>	88.880%	89.786%	<u>M 107.700</u>	<u>M 107.900</u>	<u>M 107.900</u>	<u>M 107.800</u>
X		-0.209	<u>M 108.300</u>	<u>M 108.000</u>	<u>M 106.000</u>	89.587%	89.835%	<u>M 106.000</u>	<u>M 106.400</u>	<u>M 106.300</u>	<u>M 106.200</u>
σ		0.003	<u>M 4.240</u>	<u>M 4.019</u>	<u>M 4.150</u>	1.729%	1.718%	<u>M 3.419</u>	<u>M 3.395</u>	<u>M 4.130</u>	<u>M 4.554</u>
%RSD		1.330	<u>M 3.915</u>	<u>M 3.721</u>	<u>M 3.915</u>	1.930	1.913	<u>M 3.224</u>	<u>M 3.191</u>	<u>M 3.883</u>	<u>M 4.287</u>
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	22:09:59	<u>M 101.500</u>	92.181%	0.000	0.000						
2	22:11:04	<u>M 109.800</u>	89.138%	0.000	0.000						
3	22:12:10	<u>M 108.100</u>	90.174%	0.000	0.000						
X		<u>M 106.500</u>	90.498%	0.000	0.000						
σ		<u>M 4.389</u>	1.547%	0.000	0.000						
%RSD		<u>M 4.123</u>	1.709	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:14:17	81.385%	M 112.900	M 180.700	M 180.700	0.000	TM 42460.000	TM 14890.000	TM 14810.000	477.400	± 0.000
2	22:15:22	81.700%	M 112.000	M 183.700	M 186.400	0.000	TM 42390.000	TM 14900.000	TM 14810.000	479.800	± 0.000
3	22:16:28	84.245%	M 103.800	M 170.100	M 177.100	0.000	TM 40320.000	TM 13960.000	TM 13930.000	447.700	± 0.000
X		82.443%	M 109.600	M 178.100	M 181.400	0.000	TM 41720.000	TM 14580.000	TM 14520.000	468.300	± 0.000
σ		1.569%	M 5.044	M 7.143	M 4.652	0.000	TM 1213.000	TM 542.300	TM 506.000	17.860	± 0.000
%RSD		1.903	M 4.603	M 4.009	M 2.564	0.000	TM 2.908	TM 3.718	TM 3.486	3.814	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:14:17	TM 9949.000	M 95330.000	TM 105600.000	83.806%	0.076	M 105.100	M 146.500	M 149.400	220.400	M 101.400
2	22:15:22	TM 10080.000	M 96620.000	TM 106900.000	82.459%	-0.121	M 105.100	M 148.600	M 147.300	283.900	M 102.000
3	22:16:28	TM 9636.000	M 90420.000	TM 100400.000	83.749%	-0.038	99.620	M 139.300	M 144.200	281.900	95.990
X		TM 9888.000	M 94120.000	TM 104300.000	83.338%	-0.028	M 103.300	M 144.800	M 147.000	262.100	M 99.810
σ		TM 227.100	M 3271.000	TM 3474.000	0.762%	0.099	M 3.170	M 4.869	M 2.632	36.110	M 3.321
%RSD		TM 2.297	M 3.476	TM 3.331	0.914	357.000	M 3.070	M 3.362	M 1.791	13.780	M 3.327
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:14:17	438.400	605.400	98.450	96.590	99.830	99.520	99.100	M 106.000	M 106.800	M 106.900
2	22:15:22	± 463.600	602.700	98.510	96.780	M 103.200	99.550	99.440	M 107.100	M 108.600	M 107.600
3	22:16:28	409.900	570.800	93.700	91.200	96.920	94.710	93.700	M 100.900	M 101.300	M 102.700
X		± 437.300	593.000	96.880	94.860	M 99.980	97.930	97.410	M 104.600	M 105.600	M 105.800
σ		± 26.860	19.240	2.762	3.171	M 3.146	2.786	3.221	M 3.297	M 3.829	M 2.654
%RSD		± 6.143	3.245	2.851	3.342	M 3.146	2.845	3.306	M 3.151	M 3.627	M 2.510
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:14:17	M 106.200	M 211.600	M 200.900	0.000	0.000	M 202.200	TM 958.700	86.404%	5.280	5.255
2	22:15:22	M 104.900	M 217.900	M 202.000	0.000	0.000	M 199.200	TM 954.900	86.247%	5.257	5.500
3	22:16:28	M 100.300	M 208.400	M 191.000	0.000	0.000	M 190.500	TM 900.700	87.214%	5.068	4.948
X		M 103.800	M 212.600	M 198.000	0.000	0.000	M 197.300	TM 938.100	86.622%	5.202	5.235
σ		M 3.134	M 4.874	M 6.061	0.000	0.000	M 6.067	TM 32.450	0.519%	0.116	0.277
%RSD		M 3.018	M 2.292	M 3.062	0.000	0.000	M 3.075	TM 3.459	0.599	2.234	5.283
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:14:17	5.308	80.290%	M 102.000	M 102.400	1.047	M 107.300	M 101.000	M 102.600	M 103.700	83.318%
2	22:15:22	5.439	78.864%	M 102.600	M 102.100	0.862	M 105.000	M 101.200	M 104.600	M 104.600	82.468%
3	22:16:28	4.983	80.224%	95.960	96.290	0.931	99.730	96.450	97.560	97.430	84.524%
X		5.243	79.793%	M 100.200	M 100.300	0.947	M 104.000	M 99.570	M 101.600	M 101.900	83.437%
σ		0.235	0.805%	M 3.667	M 3.440	0.093	M 3.865	M 2.697	M 3.626	M 3.888	1.033%
%RSD		4.483	1.009	M 3.660	M 3.431	9.854	M 3.716	M 2.709	M 3.569	M 3.816	1.239
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:14:17	-0.163	M 113.100	M 112.300	M 176.000	87.264%	88.195%	M 108.400	M 108.800	M 108.000	M 108.400
2	22:15:22	-0.188	M 112.900	M 111.700	M 175.800	86.648%	87.500%	M 108.400	M 108.800	M 108.500	M 108.600
3	22:16:28	-0.185	M 105.600	M 105.100	M 163.700	88.756%	89.979%	M 103.500	M 103.800	M 102.500	M 102.300
X		-0.179	M 110.500	M 109.700	M 171.800	87.556%	88.558%	M 106.800	M 107.200	M 106.300	M 106.400
σ		0.014	M 4.301	M 3.983	M 7.039	1.084%	1.279%	M 2.854	M 2.896	M 3.324	M 3.575
%RSD		7.622	M 3.891	M 3.630	M 4.096	1.238	1.444	M 2.673	M 2.703	M 3.126	M 3.359
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	22:14:17	M 108.500	84.207%	0.000	0.000						
2	22:15:22	M 108.900	83.848%	0.000	0.000						
3	22:16:28	M 102.400	85.965%	0.000	0.000						
X		M 106.600	84.674%	0.000	0.000						
σ		M 3.678	1.133%	0.000	0.000						
%RSD		M 3.450	1.338	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:18:35	79.177%	M 113.600	M 189.000	M 192.300	0.000	TM 42760.000	TM 14970.000	TM 14920.000	479.300	± 0.000
2	22:19:40	85.509%	M 100.200	M 170.500	M 171.700	0.000	TM 38190.000	TM 13090.000	TM 13100.000	417.100	± 0.000
3	22:20:45	82.463%	M 109.000	M 180.900	M 185.900	0.000	TM 41280.000	TM 14480.000	TM 14450.000	462.500	± 0.000
X		82.383%	M 107.600	M 180.100	M 183.300	0.000	TM 40750.000	TM 14180.000	TM 14160.000	453.000	± 0.000
σ		3.167%	M 6.776	M 9.271	M 10.560	0.000	TM 2330.000	TM 976.800	TM 941.700	32.170	± 0.000
%RSD		3.844	M 6.299	M 5.147	M 5.762	0.000	TM 5.719	TM 6.889	TM 6.651	7.102	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:18:35	TM 10070.000	M 96920.000	TM 107100.000	79.683%	0.016	M 105.600	M 149.200	M 150.100	345.600	M 102.400
2	22:19:40	TM 9112.000	M 85900.000	TM 94860.000	84.602%	-0.181	93.390	M 131.200	M 133.100	339.600	90.750
3	22:20:45	TM 9836.000	M 94160.000	TM 103900.000	80.483%	0.036	M 102.700	M 143.900	M 145.500	367.600	99.470
X		TM 9674.000	M 92330.000	TM 101900.000	81.589%	-0.043	M 100.600	M 141.500	M 142.900	351.000	M 97.520
σ		TM 500.800	M 5734.000	TM 6338.000	2.639%	0.120	M 6.394	M 9.232	M 8.784	14.750	M 6.046
%RSD		TM 5.177	M 6.211	TM 6.217	3.235	277.900	M 6.358	M 6.527	M 6.147	4.203	M 6.200
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:18:35	422.800	598.400	98.790	97.360	M 100.700	99.390	99.560	M 106.600	M 104.600	M 109.600
2	22:19:40	370.900	532.500	87.750	85.740	89.670	88.990	87.580	95.010	97.700	95.970
3	22:20:45	409.300	579.200	96.600	94.170	96.620	97.650	97.700	M 105.200	M 107.400	M 107.200
X		401.000	570.000	94.380	92.420	M 95.660	95.350	94.950	M 102.300	M 103.200	M 104.200
σ		26.920	33.860	5.844	6.004	M 5.574	5.569	6.449	M 6.340	M 5.001	M 7.267
%RSD		6.713	5.939	6.192	6.496	M 5.827	5.841	6.792	M 6.199	M 4.844	M 6.972
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:18:35	M 106.000	M 225.500	M 202.600	0.000	0.000	M 199.300	TM 959.800	83.294%	5.371	5.551
2	22:19:40	94.370	M 201.400	M 181.200	0.000	0.000	M 180.100	TM 855.700	88.359%	4.709	4.702
3	22:20:45	M 103.400	M 221.100	M 196.700	0.000	0.000	M 195.300	TM 937.600	83.896%	5.127	5.333
X		M 101.300	M 216.000	M 193.500	0.000	0.000	M 191.600	TM 917.700	85.183%	5.069	5.195
σ		M 6.097	M 12.860	M 11.070	0.000	0.000	M 10.110	TM 54.840	2.767%	0.335	0.441
%RSD		M 6.021	M 5.954	M 5.720	0.000	0.000	M 5.279	TM 5.976	3.248	6.598	8.494
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:18:35	5.490	75.721%	M 100.500	M 102.500	1.140	M 107.000	M 102.000	M 105.500	M 103.300	79.575%
2	22:19:40	4.798	81.112%	91.310	92.550	0.704	92.280	91.770	93.190	92.160	84.468%
3	22:20:45	5.180	77.357%	97.250	99.650	0.983	M 101.900	98.690	M 102.700	M 101.900	80.375%
X		5.156	78.063%	M 96.370	M 98.250	0.942	M 100.400	M 97.490	M 100.500	M 99.120	81.473%
σ		0.346	2.764%	M 4.679	M 5.139	0.221	M 7.494	M 5.230	M 6.460	M 6.070	2.625%
%RSD		6.716	3.540	M 4.855	M 5.231	23.470	M 7.464	M 5.365	M 6.429	M 6.124	3.221
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:18:35	-0.193	M 112.300	M 112.700	M 176.500	84.366%	85.459%	M 108.200	M 108.900	M 108.000	M 108.400
2	22:19:40	-0.199	99.450	99.710	M 156.700	88.936%	90.340%	98.690	99.270	96.910	97.110
3	22:20:45	-0.194	M 110.100	M 109.300	M 172.100	85.199%	85.961%	M 106.900	M 106.400	M 105.700	M 106.400
X		-0.195	M 107.300	M 107.200	M 168.400	86.167%	87.253%	M 104.600	M 104.900	M 103.500	M 104.000
σ		0.003	M 6.876	M 6.725	M 10.420	2.434%	2.685%	M 5.177	M 4.994	M 5.837	M 6.019
%RSD		1.635	M 6.408	M 6.272	M 6.188	2.825	3.077	M 4.948	M 4.763	M 5.638	M 5.790
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	22:18:35	M 108.900	81.574%	0.000	0.000						
2	22:19:40	97.320	86.297%	0.000	0.000						
3	22:20:45	M 106.200	82.753%	0.000	0.000						
X		M 104.100	83.541%	0.000	0.000						
σ		M 6.061	2.458%	0.000	0.000						
%RSD		M 5.820	2.943	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:22:54	85.132%	52.900	57.060	58.820	0.000	542.900	484.700	490.300	452.400	±0.000
2	22:23:59	87.126%	52.800	56.400	56.160	0.000	469.600	453.600	453.900	451.400	±0.000
3	22:25:04	85.241%	53.180	55.860	55.140	0.000	448.900	443.200	445.500	446.800	±0.000
x		85.833%	52.960	56.440	56.700	0.000	487.100	460.500	463.200	450.200	±0.000
σ		1.121%	0.197	0.601	1.901	0.000	49.400	21.590	23.810	2.954	±0.000
%RSD		1.306	0.371	1.065	3.352	0.000	10.140	4.689	5.140	0.656	±0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:22:54	469.300	811.000	778.300	78.372%	50.730	51.320	50.620	53.060	282.100	49.900
2	22:23:59	454.100	547.100	556.600	78.752%	53.310	50.540	51.210	50.350	287.100	50.440
3	22:25:04	439.200	484.900	494.200	81.167%	50.040	48.760	48.630	48.880	270.100	48.690
x		454.200	614.300	609.700	79.430%	51.360	50.210	50.160	50.760	279.800	49.680
σ		15.050	173.200	149.300	1.516%	1.722	1.311	1.350	2.121	8.723	0.896
%RSD		3.313	28.190	24.490	1.909	3.353	2.611	2.691	4.179	3.118	1.803
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:22:54	437.800	476.000	50.290	50.780	53.060	49.420	49.870	50.450	50.280	50.900
2	22:23:59	443.800	473.200	49.970	50.830	52.210	49.310	49.740	51.070	51.760	50.870
3	22:25:04	426.200	462.000	49.000	48.750	51.510	47.650	47.970	48.730	48.740	48.970
x		435.900	470.400	49.760	50.120	52.260	48.800	49.190	50.090	50.260	50.250
σ		8.949	7.399	0.671	1.188	0.777	0.992	1.063	1.214	1.511	1.106
%RSD		2.053	1.573	1.349	2.371	1.487	2.033	2.162	2.424	3.006	2.202
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:22:54	51.330	59.210	51.210	0.000	0.000	52.400	52.660	82.484%	50.390	50.650
2	22:23:59	51.300	60.440	51.770	0.000	0.000	52.420	51.350	82.232%	51.330	51.160
3	22:25:04	50.140	56.730	50.530	0.000	0.000	51.110	49.810	83.892%	50.190	50.240
x		50.920	58.790	51.170	0.000	0.000	51.980	51.270	82.869%	50.630	50.680
σ		0.677	1.888	0.619	0.000	0.000	0.747	1.428	0.895%	0.607	0.464
%RSD		1.329	3.210	1.209	0.000	0.000	1.436	2.785	1.080	1.199	0.915
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:22:54	50.710	81.701%	50.220	49.140	0.373	49.420	48.910	49.580	49.870	82.870%
2	22:23:59	51.190	81.485%	50.990	49.460	0.281	48.790	49.080	50.600	50.480	82.884%
3	22:25:04	50.210	82.910%	48.480	48.880	0.447	48.950	48.430	49.710	50.320	83.047%
x		50.700	82.032%	49.900	49.160	0.367	49.050	48.810	49.960	50.220	82.934%
σ		0.492	0.768%	1.287	0.290	0.083	0.324	0.337	0.553	0.316	0.099%
%RSD		0.971	0.936	2.579	0.589	22.640	0.660	0.690	1.107	0.629	0.119
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:22:54	50.330	50.140	50.080	50.270	85.170%	85.755%	51.140	50.430	50.910	51.120
2	22:23:59	50.430	50.470	50.550	50.900	85.699%	85.693%	50.690	50.060	51.040	50.340
3	22:25:04	50.170	50.210	50.160	49.800	85.688%	86.046%	50.510	49.860	50.330	50.710
x		50.310	50.280	50.260	50.320	85.519%	85.831%	50.780	50.120	50.760	50.720
σ		0.133	0.174	0.253	0.553	0.302%	0.189%	0.325	0.290	0.378	0.391
%RSD		0.265	0.345	0.503	1.099	0.354	0.220	0.639	0.578	0.745	0.771
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	22:22:54	50.830	86.086%	0.000	0.000						
2	22:23:59	50.540	87.254%	0.000	0.000						
3	22:25:04	50.370	87.334%	0.000	0.000						
x		50.580	86.891%	0.000	0.000						
σ		0.233	0.698%	0.000	0.000						
%RSD		0.461	0.804	0.000	0.000						

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ccb 5/7/2011 22:26:07

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:27:12	86.275%	-0.061	3.229	4.232	0.000	16.780	2.950	3.849	2.673	±0.000
2	22:28:17	88.668%	-0.084	2.959	3.096	0.000	23.450	3.286	3.303	2.276	±0.000
3	22:29:23	88.844%	-0.128	2.233	2.785	0.000	21.630	2.245	2.927	2.187	±0.000
x		87.929%	-0.091	2.807	3.371	0.000	20.620	2.827	3.359	2.379	±0.000
σ		1.435%	0.034	0.515	0.762	0.000	3.445	0.531	0.464	0.259	±0.000
%RSD		1.632	37.690	18.360	22.600	0.000	16.710	18.800	13.800	10.880	±0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:27:12	-2.848	-4.348	-0.602	80.221%	-0.473	-0.033	0.100	-0.591	246.800	0.003
2	22:28:17	-6.223	-7.723	-4.871	85.615%	-0.545	0.279	0.059	1.496	227.400	0.015
3	22:29:23	-2.322	-18.490	-5.685	82.257%	-0.526	-0.271	0.039	-0.748	243.200	-0.008
x		-3.798	-10.190	-3.719	82.698%	-0.515	-0.009	0.066	0.053	239.100	0.003
σ		2.117	7.388	2.730	2.724%	0.037	0.276	0.031	1.253	10.310	0.012
%RSD		55.730	72.510	73.400	3.294	7.235	3160.000	46.870	2381.000	4.311	392.800
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:27:12	±20.960	2.672	-0.004	-0.179	1.612	-0.088	-0.246	-0.441	-0.203	-0.560
2	22:28:17	-0.049	1.771	-0.064	-0.220	1.544	-0.191	-0.293	-0.560	-0.392	-0.556
3	22:29:23	1.969	1.222	-0.074	-0.183	1.246	-0.204	-0.329	-0.498	-0.259	-0.601
x		±7.628	1.888	-0.047	-0.194	1.467	-0.161	-0.289	-0.500	-0.284	-0.572
σ		±11.590	0.732	0.038	0.023	0.195	0.064	0.042	0.059	0.097	0.025
%RSD		±152.000	38.770	80.390	11.710	13.260	39.630	14.370	11.880	34.180	4.369
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:27:12	-0.115	3.634	-0.042	0.000	0.000	-0.097	0.095	83.426%	-0.130	-0.092
2	22:28:17	-0.325	2.554	-0.462	0.000	0.000	-0.145	0.002	88.298%	-0.186	-0.142
3	22:29:23	-0.279	3.567	-0.145	0.000	0.000	-0.190	-0.066	84.827%	-0.195	-0.160
x		-0.240	3.252	-0.216	0.000	0.000	-0.144	0.010	85.517%	-0.170	-0.131
σ		0.110	0.605	0.219	0.000	0.000	0.047	0.080	2.508%	0.035	0.035
%RSD		45.960	18.610	101.200	0.000	0.000	32.590	778.500	2.933	20.800	27.020
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:27:12	-0.007	82.671%	0.465	0.352	0.173	-0.034	0.395	0.016	0.022	83.571%
2	22:28:17	-0.100	87.506%	-0.430	0.334	0.229	-0.066	0.361	-0.073	-0.048	88.082%
3	22:29:23	-0.108	84.032%	-0.153	0.311	0.213	-0.034	0.357	-0.074	-0.043	84.155%
x		-0.072	84.736%	-0.039	0.332	0.205	-0.045	0.371	-0.044	-0.023	85.270%
σ		0.056	2.493%	0.458	0.020	0.029	0.019	0.021	0.052	0.039	2.453%
%RSD		78.390	2.943	1171.000	6.125	14.090	41.870	5.550	119.200	169.100	2.877
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:27:12	-0.086	0.716	0.638	0.048	84.130%	84.361%	0.174	0.423	0.118	0.123
2	22:28:17	-0.153	0.372	0.341	-0.014	89.324%	89.085%	0.129	0.363	0.036	0.060
3	22:29:23	-0.161	0.297	0.224	-0.059	85.092%	85.051%	0.115	0.363	-0.002	0.008
x		-0.134	0.462	0.401	-0.008	86.182%	86.166%	0.139	0.383	0.050	0.063
σ		0.041	0.224	0.214	0.053	2.763%	2.551%	0.031	0.035	0.061	0.058
%RSD		30.930	48.470	53.260	644.900	3.206	2.961	22.050	9.043	121.700	91.270
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	22:27:12	0.180	85.483%	0.000	0.000						
2	22:28:17	0.099	89.776%	0.000	0.000						
3	22:29:23	0.060	86.131%	0.000	0.000						
x		0.113	87.130%	0.000	0.000						
σ		0.061	2.314%	0.000	0.000						
%RSD		54.000	2.656	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:31:31	83.437%	-0.105	M 169.100	M 177.100	0.000	TM 40410.000	TM 13660.000	TM 13680.000	11.250	± 0.000
2	22:32:37	80.073%	-0.131	M 183.100	M 184.800	0.000	TM 42130.000	TM 14350.000	TM 14420.000	10.910	± 0.000
3	22:33:42	81.703%	-0.126	M 186.000	M 185.400	0.000	TM 41940.000	TM 14360.000	TM 14370.000	10.370	± 0.000
X		81.738%	-0.121	M 179.400	M 182.400	0.000	TM 41490.000	TM 14120.000	TM 14160.000	10.840	± 0.000
σ		1.682%	0.013	M 9.020	M 4.641	0.000	TM 940.600	TM 402.400	TM 415.100	0.446	± 0.000
%RSD		2.058	11.110	M 5.028	M 2.544	0.000	TM 2.267	TM 2.849	TM 2.932	4.111	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:31:31	TM 9210.000	M 90630.000	TM 101100.000	81.943%	-0.142	-0.138	41.970	42.890	310.300	1.582
2	22:32:37	TM 9540.000	M 95450.000	TM 106000.000	80.681%	-0.169	-0.008	44.360	44.290	338.000	1.675
3	22:33:42	TM 9680.000	M 96360.000	TM 107400.000	79.448%	-0.059	-0.133	44.810	44.510	360.300	1.755
X		TM 9477.000	M 94150.000	TM 104800.000	80.691%	-0.124	-0.093	43.710	43.900	336.200	1.671
σ		TM 240.900	M 3075.000	TM 3330.000	1.247%	0.057	0.074	1.525	0.879	25.040	0.087
%RSD		TM 2.542	M 3.266	TM 3.176	1.546	46.340	79.330	3.489	2.001	7.448	5.192
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:31:31	-20.500	117.500	-0.519	-0.755	1.695	3.061	2.883	9.718	10.550	10.930
2	22:32:37	-21.590	125.700	-0.548	-0.676	1.330	3.298	3.022	10.300	11.400	11.650
3	22:33:42	-20.900	124.100	-0.545	-0.670	1.288	3.318	3.035	10.260	11.700	11.500
X		-20.990	122.400	-0.537	-0.700	1.437	3.225	2.980	10.090	11.220	11.360
σ		0.550	4.376	0.016	0.048	0.224	0.143	0.084	0.325	0.599	0.381
%RSD		2.621	3.575	2.921	6.810	15.570	4.435	2.835	3.224	5.338	3.354
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:31:31	0.146	21.360	3.985	0.000	0.000	4.203	TM 920.000	84.680%	4.941	4.982
2	22:32:37	-0.048	26.440	4.042	0.000	0.000	4.248	TM 962.300	82.800%	5.218	5.512
3	22:33:42	0.082	28.890	4.223	0.000	0.000	4.294	TM 967.800	82.423%	5.323	5.639
X		0.060	25.570	4.084	0.000	0.000	4.249	TM 950.000	83.301%	5.161	5.377
σ		0.099	3.840	0.124	0.000	0.000	0.045	TM 26.140	1.209%	0.197	0.349
%RSD		164.700	15.020	3.043	0.000	0.000	1.068	TM 2.752	1.451	3.818	6.482
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:31:31	5.064	78.508%	-4.088	0.303	0.468	0.001	0.350	-0.267	-0.175	81.816%
2	22:32:37	5.395	76.115%	-4.463	0.320	0.495	0.038	0.347	-0.296	-0.187	79.477%
3	22:33:42	5.396	75.787%	-4.231	0.308	0.478	0.005	0.344	-0.291	-0.169	79.015%
X		5.285	76.803%	-4.261	0.310	0.480	0.015	0.347	-0.285	-0.177	80.103%
σ		0.192	1.485%	0.189	0.009	0.013	0.020	0.003	0.016	0.009	1.502%
%RSD		3.623	1.934	4.439	2.877	2.803	137.200	0.840	5.542	5.111	1.875
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:31:31	-0.167	1.112	1.092	64.300	86.047%	86.854%	0.060	0.297	0.137	0.142
2	22:32:37	-0.172	1.124	1.082	67.580	83.171%	83.628%	0.054	0.293	0.125	0.126
3	22:33:42	-0.163	1.041	0.981	68.650	82.981%	84.392%	0.047	0.289	0.130	0.111
X		-0.167	1.092	1.051	66.840	84.067%	84.958%	0.054	0.293	0.131	0.127
σ		0.004	0.045	0.061	2.268	1.718%	1.686%	0.006	0.004	0.006	0.015
%RSD		2.480	4.123	5.842	3.393	2.043	1.984	11.940	1.443	4.572	12.220
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	22:31:31	0.194	82.474%	0.000	0.000						
2	22:32:37	0.178	80.507%	0.000	0.000						
3	22:33:42	0.174	80.245%	0.000	0.000						
X		0.182	81.075%	0.000	0.000						
σ		0.011	1.218%	0.000	0.000						
%RSD		5.790	1.503	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:35:49	90.391%	-0.119	4.499	5.571	0.000	81.640	25.130	25.050	4.109	±0.000
2	22:36:55	89.022%	-0.138	3.882	3.979	0.000	63.320	16.980	17.790	4.159	±0.000
3	22:38:00	88.991%	-0.138	3.121	3.097	0.000	61.450	17.220	17.230	4.152	±0.000
x		89.468%	-0.132	3.834	4.216	0.000	68.800	19.780	20.020	4.140	±0.000
σ		0.800%	0.011	0.690	1.254	0.000	11.160	4.638	4.362	0.027	±0.000
%RSD		0.894	8.459	18.000	29.750	0.000	16.220	23.450	21.780	0.655	±0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:35:49	72.650	207.800	198.700	82.489%	-0.502	-0.087	0.305	0.394	314.300	0.050
2	22:36:55	71.030	128.600	135.700	84.359%	-0.504	-0.052	0.315	0.356	313.700	0.051
3	22:38:00	72.300	104.900	124.600	84.535%	-0.504	-0.286	0.268	-0.149	319.400	0.048
x		72.000	147.100	153.000	83.794%	-0.503	-0.142	0.296	0.200	315.800	0.049
σ		0.851	53.920	39.930	1.134%	0.001	0.126	0.025	0.303	3.117	0.001
%RSD		1.182	36.660	26.090	1.353	0.251	89.000	8.282	151.300	0.987	2.467
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:35:49	1.438	3.500	-0.087	-0.178	1.334	1.872	1.620	6.220	6.126	6.095
2	22:36:55	2.046	2.934	-0.090	-0.186	1.407	1.747	1.693	6.494	6.544	6.437
3	22:38:00	2.212	3.680	-0.090	-0.155	1.143	1.853	1.629	6.514	5.983	6.533
x		1.899	3.371	-0.089	-0.173	1.295	1.824	1.647	6.410	6.218	6.355
σ		0.407	0.389	0.002	0.016	0.136	0.068	0.039	0.164	0.291	0.230
%RSD		21.460	11.550	2.091	9.204	10.540	3.708	2.392	2.560	4.687	3.619
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:35:49	-0.128	12.610	-0.356	0.000	0.000	-0.235	1.236	86.726%	-0.186	-0.167
2	22:36:55	-0.068	13.820	-0.189	0.000	0.000	-0.178	0.560	85.653%	-0.188	-0.132
3	22:38:00	-0.074	13.260	-0.297	0.000	0.000	-0.192	0.392	86.743%	-0.188	-0.130
x		-0.090	13.230	-0.281	0.000	0.000	-0.202	0.730	86.374%	-0.187	-0.143
σ		0.033	0.608	0.085	0.000	0.000	0.029	0.447	0.624%	0.001	0.021
%RSD		36.880	4.593	30.130	0.000	0.000	14.620	61.250	0.723	0.528	14.810
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:35:49	-0.080	86.671%	0.016	0.307	0.200	-0.066	0.342	-0.060	-0.047	86.116%
2	22:36:55	-0.060	85.853%	-0.131	0.299	0.212	-0.036	0.342	-0.071	-0.047	85.443%
3	22:38:00	-0.076	85.957%	-0.070	0.314	0.206	-0.066	0.342	-0.065	-0.050	86.268%
x		-0.072	86.160%	-0.062	0.307	0.206	-0.056	0.342	-0.066	-0.048	85.942%
σ		0.011	0.445%	0.074	0.008	0.006	0.018	0.000	0.005	0.002	0.439%
%RSD		14.650	0.516	119.200	2.567	2.821	31.490	0.107	8.248	3.582	0.511
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:35:49	0.019	0.078	-0.017	1.072	87.564%	88.469%	0.063	0.296	-0.006	0.001
2	22:36:55	0.077	0.035	0.015	1.028	87.703%	88.390%	0.065	0.297	0.005	0.002
3	22:38:00	0.035	0.045	-0.002	1.035	87.240%	88.441%	0.059	0.296	0.013	0.011
x		0.043	0.053	-0.001	1.045	87.502%	88.434%	0.062	0.296	0.004	0.005
σ		0.030	0.023	0.016	0.024	0.238%	0.040%	0.003	0.000	0.009	0.006
%RSD		68.490	43.110	1242.000	2.272	0.272	0.045	4.735	0.119	247.700	116.300
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	22:35:49	0.060	89.078%	0.000	0.000						
2	22:36:55	0.064	89.442%	0.000	0.000						
3	22:38:00	0.070	88.845%	0.000	0.000						
x		0.065	89.121%	0.000	0.000						
σ		0.005	0.301%	0.000	0.000						
%RSD		7.022	0.338	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:40:08	80.266%	-0.109	M 184.200	M 181.800	0.000	TM 42100.000	TM 14280.000	TM 14240.000	6.436	± 0.000
2	22:41:13	80.346%	-0.120	M 187.900	M 186.000	0.000	TM 42620.000	TM 14560.000	TM 14530.000	6.599	± 0.000
3	22:42:18	81.335%	-0.104	M 184.900	M 188.700	0.000	TM 42130.000	TM 14320.000	TM 14290.000	6.443	± 0.000
X		80.649%	-0.111	M 185.700	M 185.500	0.000	TM 42280.000	TM 14390.000	TM 14350.000	6.493	± 0.000
σ		0.596%	0.008	M 1.964	M 3.478	0.000	TM 294.000	TM 150.900	TM 155.500	0.092	± 0.000
%RSD		0.739	7.270	M 1.058	M 1.875	0.000	TM 0.695	TM 1.049	TM 1.083	1.419	± 0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:40:08	TM 9425.000	M 93040.000	TM 104200.000	81.283%	-0.198	-0.576	42.490	41.410	347.100	0.506
2	22:41:13	TM 9680.000	M 96960.000	TM 108000.000	79.574%	-0.223	-0.243	44.530	45.060	362.300	0.531
3	22:42:18	TM 9547.000	M 95370.000	TM 105800.000	80.145%	-0.226	0.001	43.650	44.140	369.000	0.527
X		TM 9551.000	M 95120.000	TM 106000.000	80.334%	-0.216	-0.273	43.560	43.540	359.400	0.521
σ		TM 127.100	M 1968.000	TM 1939.000	0.870%	0.016	0.290	1.022	1.896	11.230	0.014
%RSD		TM 1.331	M 2.069	TM 1.830	1.083	7.265	106.100	2.347	4.354	3.124	2.634
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:40:08	-26.160	120.600	-0.563	-0.777	1.505	2.089	2.110	8.865	10.960	10.140
2	22:41:13	-26.330	121.300	-0.581	-0.808	1.419	2.213	2.035	9.116	10.920	10.220
3	22:42:18	-26.500	118.000	-0.564	-0.799	1.207	2.175	2.057	9.194	11.050	9.981
X		-26.330	120.000	-0.569	-0.795	1.377	2.159	2.067	9.058	10.980	10.110
σ		0.172	1.738	0.010	0.016	0.153	0.064	0.039	0.172	0.064	0.121
%RSD		0.653	1.448	1.788	2.064	11.140	2.960	1.880	1.893	0.580	1.196
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:40:08	0.284	24.290	4.116	0.000	0.000	4.340	TM 940.300	84.838%	5.181	5.275
2	22:41:13	0.178	28.250	4.154	0.000	0.000	4.128	TM 964.300	83.419%	5.276	5.537
3	22:42:18	0.150	30.300	3.704	0.000	0.000	4.304	TM 953.100	83.560%	5.110	5.280
X		0.204	27.610	3.991	0.000	0.000	4.257	TM 952.600	83.939%	5.189	5.364
σ		0.071	3.053	0.250	0.000	0.000	0.114	TM 12.020	0.782%	0.083	0.150
%RSD		34.570	11.060	6.257	0.000	0.000	2.675	TM 1.262	0.932	1.602	2.794
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:40:08	5.351	77.500%	-4.785	0.311	0.520	0.101	0.343	-0.324	-0.211	81.123%
2	22:41:13	5.489	76.193%	-4.465	0.306	0.497	0.071	0.342	-0.291	-0.204	79.802%
3	22:42:18	5.377	76.621%	-4.453	0.298	0.494	0.037	0.346	-0.298	-0.199	79.802%
X		5.406	76.772%	-4.568	0.305	0.504	0.070	0.344	-0.305	-0.204	80.242%
σ		0.074	0.666%	0.188	0.007	0.014	0.032	0.002	0.017	0.006	0.763%
%RSD		1.360	0.868	4.124	2.266	2.776	45.910	0.598	5.709	2.931	0.950
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:40:08	-0.211	0.882	0.930	65.720	84.384%	85.287%	0.035	0.272	0.044	0.038
2	22:41:13	-0.195	0.948	0.910	67.630	83.664%	83.743%	0.037	0.274	0.044	0.046
3	22:42:18	-0.209	0.910	0.888	66.690	84.055%	85.279%	0.038	0.270	0.052	0.047
X		-0.205	0.914	0.909	66.680	84.034%	84.769%	0.037	0.272	0.047	0.043
σ		0.009	0.033	0.021	0.953	0.361%	0.889%	0.002	0.002	0.004	0.005
%RSD		4.246	3.628	2.359	1.430	0.429	1.049	4.888	0.754	9.486	11.240
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	22:40:08	0.099	81.008%	0.000	0.000						
2	22:41:13	0.102	80.333%	0.000	0.000						
3	22:42:18	0.102	80.926%	0.000	0.000						
X		0.101	80.756%	0.000	0.000						
σ		0.002	0.368%	0.000	0.000						
%RSD		1.758	0.456	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:44:27	85.750%	51.960	53.760	56.490	0.000	472.900	456.400	458.600	448.700	±0.000
2	22:45:32	81.760%	49.300	54.500	51.940	0.000	441.900	432.300	436.200	419.400	±0.000
3	22:46:37	86.977%	51.510	53.180	53.930	0.000	441.400	441.200	444.100	441.400	±0.000
x		84.829%	50.920	53.810	54.120	0.000	452.100	443.300	446.300	436.500	±0.000
σ		2.728%	1.420	0.664	2.280	0.000	18.080	12.200	11.360	15.270	±0.000
%RSD		3.216	2.789	1.234	4.213	0.000	4.000	2.751	2.545	3.497	±0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:44:27	452.200	622.200	590.100	80.537%	50.620	49.330	49.700	48.140	328.800	49.030
2	22:45:32	430.200	543.400	515.000	79.048%	46.850	46.260	46.510	47.220	304.800	45.920
3	22:46:37	444.500	501.900	480.500	83.509%	48.520	47.460	48.140	45.180	325.400	47.730
x		442.300	555.900	528.500	81.032%	48.660	47.680	48.110	46.850	319.700	47.560
σ		11.170	61.130	56.030	2.271%	1.892	1.548	1.594	1.517	12.990	1.563
%RSD		2.525	11.000	10.600	2.803	3.888	3.247	3.312	3.239	4.065	3.287
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:44:27	430.600	453.500	49.350	49.230	49.850	48.420	48.490	49.670	49.120	50.150
2	22:45:32	403.400	425.600	45.730	46.330	47.950	44.570	45.140	46.570	46.390	46.370
3	22:46:37	423.400	450.000	47.700	48.640	50.420	47.200	47.190	49.050	49.570	50.230
x		419.100	443.000	47.590	48.070	49.410	46.730	46.940	48.430	48.360	48.920
σ		14.110	15.190	1.816	1.528	1.292	1.971	1.688	1.645	1.722	2.202
%RSD		3.368	3.429	3.815	3.180	2.615	4.219	3.595	3.396	3.561	4.502
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:44:27	50.280	64.410	50.610	0.000	0.000	51.210	50.740	84.304%	49.650	49.260
2	22:45:32	47.070	58.340	47.040	0.000	0.000	47.380	47.300	81.996%	46.610	46.990
3	22:46:37	49.660	61.490	49.720	0.000	0.000	49.660	48.850	85.945%	48.490	48.830
x		49.010	61.410	49.120	0.000	0.000	49.420	48.960	84.081%	48.250	48.360
σ		1.707	3.033	1.861	0.000	0.000	1.927	1.722	1.984%	1.536	1.207
%RSD		3.483	4.938	3.788	0.000	0.000	3.898	3.516	2.359	3.183	2.495
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:44:27	49.840	84.002%	47.790	48.180	0.607	50.600	48.040	49.230	48.960	84.254%
2	22:45:32	46.850	81.151%	46.170	45.840	0.295	44.600	45.530	46.430	46.410	81.091%
3	22:46:37	48.690	85.346%	48.900	47.870	0.387	48.360	47.390	48.340	48.400	86.828%
x		48.460	83.500%	47.620	47.300	0.430	47.850	46.990	48.000	47.920	84.057%
σ		1.509	2.142%	1.374	1.272	0.160	3.031	1.298	1.433	1.342	2.873%
%RSD		3.113	2.566	2.886	2.690	37.300	6.335	2.763	2.986	2.800	3.418
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:44:27	49.210	49.210	48.880	49.280	86.419%	86.491%	50.000	49.940	50.350	50.250
2	22:45:32	46.560	46.720	46.650	47.150	83.630%	83.879%	47.410	46.790	47.080	46.960
3	22:46:37	48.340	48.630	48.580	48.230	88.273%	88.556%	49.400	48.950	49.030	49.260
x		48.040	48.190	48.030	48.220	86.107%	86.309%	48.940	48.560	48.820	48.820
σ		1.349	1.301	1.209	1.068	2.337%	2.344%	1.355	1.611	1.647	1.685
%RSD		2.809	2.701	2.518	2.215	2.715	2.716	2.769	3.318	3.374	3.451
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	22:44:27	50.050	87.487%	0.000	0.000						
2	22:45:32	46.890	85.457%	0.000	0.000						
3	22:46:37	49.110	89.092%	0.000	0.000						
x		48.680	87.345%	0.000	0.000						
σ		1.622	1.822%	0.000	0.000						
%RSD		3.332	2.086	0.000	0.000						

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:48:45	84.018%	0.162	3.460	3.950	0.000	15.500	4.285	4.456	4.840	±0.000
2	22:49:50	89.346%	-0.084	2.120	2.816	0.000	17.660	2.382	2.926	2.530	±0.000
3	22:50:56	88.994%	-0.133	1.857	2.246	0.000	13.390	1.015	1.678	1.946	±0.000
x		87.453%	-0.018	2.479	3.004	0.000	15.520	2.561	3.020	3.105	±0.000
σ		2.980%	0.158	0.860	0.867	0.000	2.135	1.642	1.391	1.530	±0.000
%RSD		3.407	862.100	34.670	28.880	0.000	13.760	64.130	46.060	49.280	±0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:48:45	2.248	-11.690	-6.625	78.080%	-0.129	0.415	0.471	0.760	288.100	0.237
2	22:49:50	-5.187	-10.460	-7.566	85.420%	-0.481	-0.140	0.110	-1.002	269.000	0.029
3	22:50:56	-0.842	-20.330	-13.140	83.035%	-0.527	-0.355	0.072	-1.086	280.000	-0.067
x		-1.260	-14.160	-9.111	82.178%	-0.379	-0.026	0.218	-0.443	279.100	0.066
σ		3.735	5.382	3.521	3.744%	0.218	0.397	0.220	1.042	9.587	0.156
%RSD		296.400	38.010	38.650	4.556	57.530	1500.000	101.200	235.500	3.436	235.200
Run	Time	56Fe	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:48:45	5.325	4.726	0.195	0.107	1.492	0.087	-0.014	-0.170	-0.141	-0.287
2	22:49:50	1.139	1.945	-0.014	-0.162	1.222	-0.155	-0.276	-0.499	-0.359	-0.541
3	22:50:56	1.685	0.610	-0.087	-0.223	1.421	-0.216	-0.337	-0.539	-0.394	-0.625
x		2.716	2.427	0.031	-0.093	1.378	-0.095	-0.209	-0.403	-0.298	-0.485
σ		2.276	2.100	0.147	0.175	0.140	0.160	0.172	0.202	0.138	0.176
%RSD		83.770	86.510	468.400	189.000	10.160	169.000	82.140	50.240	46.120	36.310
Run	Time	75As	77Se	78Se	79Br	81Br	82Se	88Sr	89Y	95Mo	97Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:48:45	0.141	9.405	0.320	0.000	0.000	0.080	0.243	81.316%	0.166	0.140
2	22:49:50	-0.124	6.937	-0.292	0.000	0.000	-0.104	-0.011	86.629%	-0.147	-0.136
3	22:50:56	-0.206	7.492	-0.174	0.000	0.000	-0.248	-0.104	86.282%	-0.222	-0.174
x		-0.063	7.945	-0.049	0.000	0.000	-0.090	0.043	84.742%	-0.068	-0.057
σ		0.181	1.295	0.325	0.000	0.000	0.164	0.180	2.973%	0.206	0.171
%RSD		287.900	16.300	668.500	0.000	0.000	181.700	422.200	3.508	303.200	303.300
Run	Time	98Mo	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:48:45	0.241	80.371%	0.603	0.469	0.173	0.096	0.500	0.220	0.203	81.483%
2	22:49:50	-0.031	86.957%	-0.341	0.334	0.221	-0.096	0.375	-0.021	-0.016	86.426%
3	22:50:56	-0.114	85.905%	-0.248	0.315	0.215	-0.096	0.351	-0.080	-0.050	85.538%
x		0.032	84.411%	0.005	0.373	0.203	-0.032	0.408	0.040	0.045	84.483%
σ		0.185	3.538%	0.520	0.084	0.026	0.111	0.080	0.159	0.137	2.635%
%RSD		578.400	4.192	10880.000	22.450	13.020	348.200	19.650	401.300	302.500	3.119
Run	Time	118Sn	121Sb	123Sb	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:48:45	0.178	0.969	0.965	0.206	81.868%	82.333%	0.270	0.497	0.298	0.295
2	22:49:50	-0.058	0.452	0.429	0.008	87.827%	87.577%	0.121	0.357	0.063	0.067
3	22:50:56	-0.133	0.295	0.232	-0.115	86.119%	86.095%	0.110	0.344	0.002	-0.000
x		-0.004	0.572	0.542	0.033	85.271%	85.335%	0.167	0.400	0.121	0.121
σ		0.162	0.352	0.380	0.162	3.069%	2.703%	0.089	0.084	0.156	0.155
%RSD		4135.000	61.590	70.000	487.000	3.599	3.168	53.480	21.150	128.900	128.200
Run	Time	208Pb	209Bi	220Bkg	238U						
		ppb	ppb	ppb	ppb						
1	22:48:45	0.353	82.528%	0.000	0.000						
2	22:49:50	0.120	87.901%	0.000	0.000						
3	22:50:56	0.058	87.199%	0.000	0.000						
x		0.177	85.876%	0.000	0.000						
σ		0.156	2.920%	0.000	0.000						
%RSD		88.060	3.401	0.000	0.000						

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## Autotune report

Sequence name : 1] XSII Xt NO Screen(050310)

Sequence version : 1/3/2011 14:15:43

Acquired at : 5/7/2011 06:32:32

Result : Passed

Stage	Analyte	Result
Define conditions for stage 1	115In	98568.15
Define conditions for stage 2	115In	98248.04
	156Ce O/140Ce	0.0091
Define conditions for stage 3	7Li	22110.19
	115In	149119.74
	238U	207746.92
	156Ce O/140Ce	0.0090
	138Ba ++/138Ba	0.0245
Define conditions for stage 4	7Li	18792.74
	115In	117254.66
	238U	165435.04
	156Ce O/140Ce	0.0092
	138Ba ++/138Ba	0.0240

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## Performance Report

## Sample details

Acquired at : 5/7/2011 10:06:58

Report name : 1] XSII Xt NO Screen(020310) [11/2/2010 10:27:26]

## Mass Calibration verification

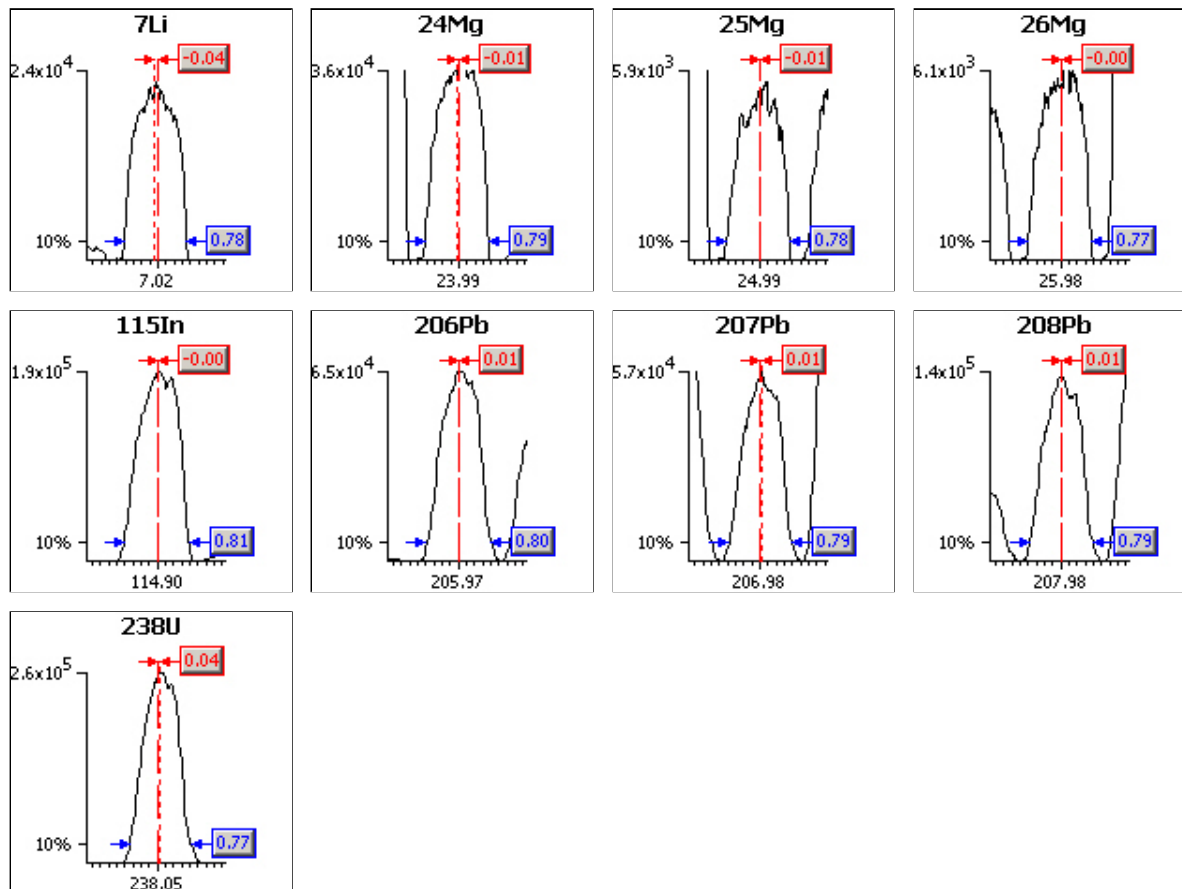
## Acquisition parameters

Sweeps : 20

Dwell : 1.0 mSecs

Point spacing : 0.01 amu

Peak width measured at 10% of the peak maximum



Analyte	Limits			Results	
	Max. width	Min. width	Max. error	Peak width	Peak error
7Li	0.85	0.65	0.10	0.78	-0.04
24Mg	0.85	0.65	0.10	0.79	-0.01
25Mg	0.85	0.65	0.10	0.78	-0.01
26Mg	0.85	0.65	0.10	0.77	-0.00
115In	0.85	0.65	0.10	0.81	-0.00
206Pb	0.85	0.65	0.10	0.80	0.01
207Pb	0.85	0.65	0.10	0.79	0.01
208Pb	0.85	0.65	0.10	0.79	0.01
238U	0.85	0.65	0.10	0.77	0.04



## Sample details

Acquired at : 5/7/2011 10:06:58

Report name : 1] XSII Xt NO Screen(020310) [11/2/2010 10:27:26]

## Tune conditions

Major		Minor		Global		Add. Gases	
Extraction	-164.7	Lens 3	-195.3	Standard resolution	160		
Lens 1	-1231	Forward power	1302	High resolution	125		
Lens 2	-80.0	Horizontal	53	Analogue Detector	1890		
Focus	19.4	Vertical	300	PC Detector	3754		
D1	-30.6	DA	-60.4				
D2	-140	Cool	13.0				
Pole Bias	0.2	Auxiliary	0.80				
Hexapole Bias	-4.0	Sampling Depth	100				
Nebuliser	0.89						

## Sensitivity and stability results

## Acquisition parameters

Sweeps : 130

Run	Time	5Bkg	7Li	24Mg	25Mg	26Mg	56Ar O	59Co	138Ba++	101Bkg
Dwell (mSecs)		100.0	10.0	10.0	10.0	10.0	10.0	10.0	30.0	100.0
Limits	%RSD	-	5.0%	5.0%	5.0%	5.0%	-	-	-	-
	CountRate	-	>15000	>1000	>1000	>1000	-	-	-	-
1	10:07:31	0.000	21060.521	36386.520	5021.386	5971.961	519484.87	81020.203	2744.260	0.077
2	10:08:45	0.000	21354.282	36724.799	5095.274	6072.027	522717.09	81949.243	2754.263	0.308
3	10:09:59	0.000	21200.075	36157.918	4875.153	5819.554	523199.86	81000.800	2742.978	0.077
4	10:11:13	0.000	21442.180	36911.707	4968.280	5946.560	524745.22	82061.014	2829.671	0.154
5	10:12:28	0.000	21181.571	36172.591	5018.308	5986.586	524857.59	81194.051	2716.816	0.000
x		0.000	21247.726	36470.707	4995.680	5959.338	523000.92	81445.062	2757.598	0.123
σ		0.00	150.71	336.47	81.19	91.25	2177.88	518.28	42.60	0.12
%RSD		0.000	0.709	0.923	1.625	1.531	0.416	0.636	1.545	94.786

Run	Time	115In	138Ba	140Ce	156Ce O	204Pb	206Pb	207Pb	208Pb	220Bkg
Dwell (mSecs)		10.0	10.0	10.0	30.0	10.0	10.0	10.0	10.0	100.0
Limits	%RSD	5.0%	-	-	-	-	5.0%	5.0%	5.0%	-
	CountRate	>100000	-	-	-	-	>100	>100	>100	<1
1	10:07:31	185087.48	136291.74	194058.59	1641.687	3501.443	64659.129	54183.299	134452.34	0.000
2	10:08:45	187119.99	137509.10	196453.05	1646.303	3548.385	65225.461	55246.592	137462.24	0.000
3	10:09:59	184149.48	135368.87	193089.82	1612.451	3401.405	64656.805	54081.928	134582.71	0.000
4	10:11:13	187438.77	138191.64	197871.00	1674.770	3548.385	65337.802	55196.288	136950.76	0.000
5	10:12:28	184124.37	135687.42	194555.97	1633.224	3674.589	64574.686	54529.978	134717.77	0.077
x		185584.02	136609.75	195205.69	1641.687	3534.841	64890.777	54647.617	135633.17	0.015
σ		1599.56	1204.45	1928.38	22.60	98.51	360.61	549.83	1450.63	0.03
%RSD		0.862	0.882	0.988	1.376	2.787	0.556	1.006	1.070	223.607

Run	Time	238U
Dwell (mSecs)		10.0
Limits	%RSD	5.0%
	CountRate	>150000
1	10:07:31	251107.71
2	10:08:45	254005.01
3	10:09:59	247610.65
4	10:11:13	252084.97
5	10:12:28	248985.91
x		250758.85
σ		2523.51
%RSD		1.006

## Ratio results

Run	Time	138Ba++/138Ba	115In/220Bkg	156Ce O/140Ce
Ratio limits		<0.0450	>100000.0000	<0.0200
1	10:07:31	0.020	INF	0.008
2	10:08:45	0.020	INF	0.008
		0.020	INF	0.008

3	10:09:59			
4	10:11:13	0.020	INF	0.008
5	10:12:28	0.020	2393616.8	0.008
$\bar{x}$		0.0202	2393616.8	0.0084
$\sigma$		0.00	0.00	0.00
%RSD		0.9399	0.0000	0.5951

Result : The performance report passed.



Aqueous Digestion Log MP Batch ID: MP58073

ICP-MS

①

ICP-MS DIGESTION METHOD: EPA 200.8

Heating Method (circle one): Digestion Block

Method Blank ID:	<u>MP58073</u>	Prep Date:	<u>5/7/11</u>
Lab Control/Spike Blank ID:		Start Time:	<u>7:00</u>
Lab Control Source:		Start Temp:	<u>924042</u>
		Thermometer ID #:	<u>140</u>
		End Time:	<u>13:00</u>
		End Temp:	<u>9370593</u>
DUP 1 Sample ID:	Acceptable temperature Ranges:		
DUP 2 Sample ID:	EPA 200.8		
MS 1 Sample ID:	90 to 95 deg. C		
MS 2 Sample ID:			

Note: Serial dilution shown for QC tracking only. Not a separate digestate.

Sample ID	Pres Y/N	Initial Sample Volume	Final Volume in ML	Acids Used		Spikes Used		Comments
				Amount and Name	Added - Y or N	Amount and Name	Added - Y or N	
MP58073-MB-1	N	50	50	1.0 ml of 1:1 HNO3	Y			
MP58073-LC-1	N			0.50 ml 1:1 HCL	Y	0.25 ml Se (20 ppm), 0.25 ml CAL-1 6020, 0.10 ml min (200 ppm)	Y	
MP58073-S-1	Y					0.25 ml Se (20 ppm), 0.25 ml CAL-1 6020, 0.10 ml min (200 ppm)	Y	
MP58073-S-2	Y					0.25 ml Se (20 ppm), 0.25 ml CAL-1 6020, 0.10 ml min (200 ppm)	Y	
MP -SD								
1 T75047-1	Y							
2 ↓ -2								
3 JA74100-1								
4 ↓ -2								
5 ↓ -1F								
6 T75033-2								
7 T75038-1								
8 T74600-1								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								5/7/11
19								
20								

Analyst: Kate

QC Reviewer: Way D 5/7/11

## General Chemistry

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### QC Data Summaries

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Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries
- Instrument Runlogs/QC

METHOD BLANK AND SPIKE RESULTS SUMMARY  
GENERAL CHEMISTRYLogin Number: JA74100  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Chromium, Hexavalent	GP58488/GN50164	0.0055	0.0	mg/l	0.0501	0.0518	103.5	90-110%

## Associated Samples:

Batch GP58488: JA74100-1, JA74100-1F, JA74100-2

(\*) Outside of QC limits

DUPLICATE RESULTS SUMMARY  
GENERAL CHEMISTRY

Login Number: JA74100  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Chromium, Hexavalent	GP58488/GN50164	JA74098-1	mg/l	0.0	0.0	0.0	0-20%

Associated Samples:

Batch GP58488: JA74100-1, JA74100-1F, JA74100-2

(\*) Outside of QC limits

7.2  
7

MATRIX SPIKE RESULTS SUMMARY  
GENERAL CHEMISTRY

Login Number: JA74100  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chromium, Hexavalent	GP58488/GN50164	JA74098-1	mg/l	0.0	0.0501	0.0	0.0N(a)	85-115%

Associated Samples:

Batch GP58488: JA74100-1, JA74100-1F, JA74100-2

(\*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(a) Spike recovery indicates possible matrix interference.

Accutest Laboratories Instrument Runlog  
Inorganics Analyses

Login Number: JA74100  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: 611042602.TXT Date Analyzed: 04/26/11 Methods: SW846 7199  
Analyst: AE Run ID: GN50164  
Parameters: Chromium, Hexavalent

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:33	GN50164-STD1	1		STDA
09:41	GN50164-STD2	1		STDB
09:49	GN50164-STD3	1		STDC
09:57	GN50164-STD4	1		STDD
10:05	GN50164-STD5	1		STDE
15:33	GN50164-CCV1	1		
15:40	GN50164-CCB1	1		
15:48	GP58488-MB1	1		
15:56	GP58488-MB1	1		
16:22	GP58488-B1	1		
16:29	GP58488-B1	1		
16:37	GP58488-S1	1		
16:45	GP58488-S1	1		
16:53	GP58488-D1	1		
17:01	GP58488-D1	1		
17:09	JA74098-1	1		(sample used for QC only; not part of login JA74100)
17:17	JA74098-1	1		(sample used for QC only; not part of login JA74100)
17:25	GP58488-S2	1		
17:32	GP58488-S2	1		
17:40	GP58488-D2	1		
17:48	GP58488-D2	1		
17:56	JA74098-1F	1		(sample used for QC only; not part of login JA74100)
18:04	JA74098-1F	1		(sample used for QC only; not part of login JA74100)
18:12	GP58488-S1	1		
18:20	GP58488-S1	1		confirmation
18:28	GP58488-S2	1		confirmation
18:36	GP58488-S2	1		
18:44	GN50164-CCV2	1		
18:52	GN50164-CCB2	1		
19:00	ZZZZZ	1		
19:08	ZZZZZ	1		
19:16	ZZZZZ	1		
19:23	ZZZZZ	1		



Accutest Laboratories Instrument Runlog  
Inorganics Analyses

Login Number: JA74100  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: 611042602.TXT      Date Analyzed: 04/26/11      Methods: SW846 7199  
Analyst: AE      Run ID: GN50164  
Parameters: Chromium, Hexavalent

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:31	ZZZZZZ	1		
19:39	ZZZZZZ	1		
19:47	ZZZZZZ	1		
19:55	ZZZZZZ	1		
20:03	ZZZZZZ	1		
20:11	ZZZZZZ	1		
20:19	ZZZZZZ	1		
20:27	ZZZZZZ	1		
20:35	ZZZZZZ	1		
20:43	ZZZZZZ	1		
20:50	ZZZZZZ	1		
20:58	ZZZZZZ	1		
21:06	JA74100-1	1		
21:14	JA74100-1	1		
21:22	JA74100-1F	1		
21:30	JA74100-1F	1		
21:38	GN50164-CCV3	1		
21:46	GN50164-CCB3	1		
21:54	JA74100-2	1		
22:02	JA74100-2	1		
22:10	GN50164-CCV4	1		
22:17	GN50164-CCB4	1		

Refer to raw data for calibration curve and standards.

7.4  
7

Instrument QC Summary  
Inorganics Analyses

Login Number: JA74100  
Account: HWINJM - Honeywell International Inc.  
Project: HLANJPR: SA-5 Site 117, Jersey City, NJ

File ID: 611042602.TXT

Date Analyzed: 04/26/11  
Run ID: GN50164

Methods: SW846 7199  
Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN50164-CCV1	Chromium, Hexavalent	0.25	0.0050	0.0032	.25	100.0	90-110
GN50164-CCB1	Chromium, Hexavalent	0.0032 U	0.0050	0.0032			
GN50164-CCV2	Chromium, Hexavalent	0.26	0.0050	0.0032	.25	104.0	90-110
GN50164-CCB2	Chromium, Hexavalent	0.0032 U	0.0050	0.0032			
GN50164-CCV3	Chromium, Hexavalent	0.25	0.0050	0.0032	.25	100.0	90-110
GN50164-CCB3	Chromium, Hexavalent	0.0032 U	0.0050	0.0032			
GN50164-CCV4	Chromium, Hexavalent	0.24	0.0050	0.0032	.25	96.0	90-110
GN50164-CCB4	Chromium, Hexavalent	0.0096 *(a)	0.0050	0.0032			

(!) Outside of QC limits

(a) All reported results are < DL

7.4  
7

General Chemistry

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Raw Data

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Sequence: 611042602  
Operator: chemistry

Title: NJCHMIC2\_local  
Data source: Accutest\2011\April  
Location: accutest  
Timebase: accutest  
#Samples: 56

Created: 4/26/2011 4:21:35 PM by chemistry  
(Modified, not saved)

No.	Name	Type	Pos.	Program	Method	Status	Inj. Date/Time	Weight	Dil. Factor
1	BLANKCONF	Unknown	1	hexachrome_ASDV	hexachrome	Finished	4/26/2011 9:26:16 AM	1.0000	1.0000
2	STDA	Standard	2	hexachrome_ASDV	hexachrome	Finished	4/26/2011 9:33:42 AM	1.0000	1.0000
3	STDB	Standard	3	hexachrome_ASDV	hexachrome	Finished	4/26/2011 9:41:37 AM	1.0000	1.0000
4	STDC	Standard	4	hexachrome_ASDV	hexachrome	Finished	4/26/2011 9:49:31 AM	1.0000	1.0000
5	STDD	Standard	5	hexachrome_ASDV	hexachrome	Finished	4/26/2011 9:57:25 AM	1.0000	1.0000
6	STDE	Standard	6	hexachrome_ASDV	hexachrome	Finished	4/26/2011 10:05:19 AM	1.0000	1.0000
7	CCV	Unknown	7	hexachrome_ASDV	hexachrome	Finished	4/26/2011 3:33:01 PM	1.0000	1.0000
8	CCB	Unknown	8	hexachrome_ASDV	hexachrome	Finished	4/26/2011 3:40:31 PM	1.0000	1.0000
9	GP58488-MB1	Unknown	9	hexachrome_ASDV	hexachrome	Finished	4/26/2011 3:48:26 PM	1.0000	1.0000
10	GP58488-MB1	Unknown	10	hexachrome_ASDV	hexachrome	Finished	4/26/2011 3:56:20 PM	1.0000	1.0000
11	GP58488-B1	Unknown	11	hexachrome_ASDV	hexachrome	Finished	4/26/2011 4:22:14 PM	1.0000	1.0000
12	GP58488-B1	Unknown	12	hexachrome_ASDV	hexachrome	Finished	4/26/2011 4:29:47 PM	1.0000	1.0000
13	GP58488-S1	Unknown	13	hexachrome_ASDV	hexachrome	Finished	4/26/2011 4:37:42 PM	1.0000	1.0000
14	GP58488-S1	Unknown	14	hexachrome_ASDV	hexachrome	Finished	4/26/2011 4:45:36 PM	1.0000	1.0000
15	GP58488-D1	Unknown	15	hexachrome_ASDV	hexachrome	Finished	4/26/2011 4:53:31 PM	1.0000	1.0000
16	GP58488-D1	Unknown	16	hexachrome_ASDV	hexachrome	Finished	4/26/2011 5:01:37 PM	1.0000	1.0000
17	JA74098-1	Unknown	17	hexachrome_ASDV	hexachrome	Finished	4/26/2011 5:09:14 PM	1.0000	1.0000
18	JA74098-1	Unknown	18	hexachrome_ASDV	hexachrome	Finished	4/26/2011 5:17:09 PM	1.0000	1.0000
19	GP58488-S2	Unknown	19	hexachrome_ASDV	hexachrome	Finished	4/26/2011 5:25:04 PM	1.0000	1.0000
20	GP58488-S2	Unknown	20	hexachrome_ASDV	hexachrome	Finished	4/26/2011 5:32:58 PM	1.0000	1.0000
21	GP58488-D2	Unknown	21	hexachrome_ASDV	hexachrome	Finished	4/26/2011 5:40:53 PM	1.0000	1.0000
22	GP58488-D2	Unknown	22	hexachrome_ASDV	hexachrome	Finished	4/26/2011 5:48:47 PM	1.0000	1.0000
23	JA74098-1F	Unknown	23	hexachrome_ASDV	hexachrome	Finished	4/26/2011 5:56:41 PM	1.0000	1.0000
24	JA74098-1F	Unknown	24	hexachrome_ASDV	hexachrome	Finished	4/26/2011 6:04:36 PM	1.0000	1.0000
25	GP58488-S1	Unknown	3	hexachrome_ASDV	hexachrome	Finished	4/26/2011 6:12:31 PM	1.0000	1.0000
26	GP58488-S1	Unknown	4	hexachrome_ASDV	hexachrome	Finished	4/26/2011 6:20:33 PM	1.0000	1.0000
27	GP58488-S2	Unknown	5	hexachrome_ASDV	hexachrome	Finished	4/26/2011 6:28:28 PM	1.0000	1.0000

GN50164

Title: NJCHMIC2\_local  
 Datasource: Accutest\2011\April  
 Location: accutest  
 Timebase: 56  
 #Samples: 56  
 Created: 4/26/2011 4:21:35 PM by chemistry (Modified, not saved)

No.	Name	Type	Pos.	Program	Method	Status	Inj. Date/Time	Weight	Dil. Factor
28	GP58488-S2	Unknown	6	hexachrome_ASDV	hexachrome	Finished	4/26/2011 6:36:22 PM	1.0000	1.0000
29	CCV	Unknown	25	hexachrome_ASDV	hexachrome	Finished	4/26/2011 6:44:16 PM	1.0000	1.0000
30	CCB	Unknown	26	hexachrome_ASDV	hexachrome	Finished	4/26/2011 6:52:18 PM	1.0000	1.0000
31	JA74098-2	Unknown	27	hexachrome_ASDV	hexachrome	Finished	4/26/2011 7:00:13 PM	1.0000	1.0000
32	JA74098-2	Unknown	28	hexachrome_ASDV	hexachrome	Finished	4/26/2011 7:08:08 PM	1.0000	1.0000
33	JA74098-2F	Unknown	29	hexachrome_ASDV	hexachrome	Finished	4/26/2011 7:16:02 PM	1.0000	1.0000
34	JA74098-2F	Unknown	30	hexachrome_ASDV	hexachrome	Finished	4/26/2011 7:23:57 PM	1.0000	1.0000
35	JA74098-3	Unknown	31	hexachrome_ASDV	hexachrome	Finished	4/26/2011 7:31:51 PM	1.0000	1.0000
36	JA74098-3	Unknown	32	hexachrome_ASDV	hexachrome	Finished	4/26/2011 7:39:46 PM	1.0000	1.0000
37	JA74098-3F	Unknown	33	hexachrome_ASDV	hexachrome	Finished	4/26/2011 7:47:40 PM	1.0000	1.0000
38	JA74098-3F	Unknown	34	hexachrome_ASDV	hexachrome	Finished	4/26/2011 7:55:34 PM	1.0000	1.0000
39	JA74099-1	Unknown	35	hexachrome_ASDV	hexachrome	Finished	4/26/2011 8:03:29 PM	1.0000	1.0000
40	JA74099-1	Unknown	36	hexachrome_ASDV	hexachrome	Finished	4/26/2011 8:11:24 PM	1.0000	1.0000
41	JA74099-1F	Unknown	37	hexachrome_ASDV	hexachrome	Finished	4/26/2011 8:19:18 PM	1.0000	1.0000
42	JA74099-1F	Unknown	38	hexachrome_ASDV	hexachrome	Finished	4/26/2011 8:27:13 PM	1.0000	1.0000
43	JA74099-2	Unknown	39	hexachrome_ASDV	hexachrome	Finished	4/26/2011 8:35:07 PM	1.0000	1.0000
44	JA74099-2	Unknown	40	hexachrome_ASDV	hexachrome	Finished	4/26/2011 8:43:02 PM	1.0000	1.0000
45	JA74099-2F	Unknown	41	hexachrome_ASDV	hexachrome	Finished	4/26/2011 8:50:56 PM	1.0000	1.0000
46	JA74099-2F	Unknown	42	hexachrome_ASDV	hexachrome	Finished	4/26/2011 8:58:50 PM	1.0000	1.0000
47	JA74100-1	Unknown	43	hexachrome_ASDV	hexachrome	Finished	4/26/2011 9:06:45 PM	1.0000	1.0000
48	JA74100-1	Unknown	44	hexachrome_ASDV	hexachrome	Finished	4/26/2011 9:14:39 PM	1.0000	1.0000
49	JA74100-1F	Unknown	45	hexachrome_ASDV	hexachrome	Finished	4/26/2011 9:22:34 PM	1.0000	1.0000
50	JA74100-1F	Unknown	46	hexachrome_ASDV	hexachrome	Finished	4/26/2011 9:30:29 PM	1.0000	1.0000
51	CCV	Unknown	47	hexachrome_ASDV	hexachrome	Finished	4/26/2011 9:38:23 PM	1.0000	1.0000
52	CCB	Unknown	48	hexachrome_ASDV	hexachrome	Finished	4/26/2011 9:46:18 PM	1.0000	1.0000
53	JA74100-2	Unknown	49	hexachrome_ASDV	hexachrome	Finished	4/26/2011 9:54:12 PM	1.0000	1.0000
54	JA74100-2	Unknown	50	hexachrome_ASDV	hexachrome	Finished	4/26/2011 10:02:06 PM	1.0000	1.0000

Title: NJCHMIC2\_local  
 Datasource: Accutest\2011\April  
 Location: accutest  
 Timebase: 56  
 #Samples: 56  
 Created: 4/26/2011 4:21:35 PM by chemistry  
 (Modified, not saved)

No.	Name	Type	Pos.	Program	Method	Status	Inj. Date/Time	Weight	Dil. Factor
55	CCV	Unknown	1	hexachrome_ASDV	hexachrome	Finished	4/26/2011 10:10:01 PM	1.0000	1.0000
56	CCB	Unknown	2	hexachrome_ASDV	hexachrome	Finished	4/26/2011 10:17:56 PM	1.0000	1.0000





GENERAL CHEMISTRY STANDARD PREPARATION LOG

Product: XCR-7199  
 GN or GP Number: GN50164

Intermediate Standard Description	Stock used to prepare standard	Stock concentration	Stock volume or weight used with units	Balance or Autopipet ID (*)	Diluent	Final Volume	Final Conc. of Intermediate (mg/l)	Expiration Date	Analyst	Date
10.0 mg/L Absolute	Absolute 030311	1000 mg/L	2.0 mL	A	Dilution	200 mL	10.0 mg/L	3/3/2014	Q.E.	4/20/11
1.0 mg/L Absolute	10.0 mg/L Absolute	10.0 mg/L	20.0 mL	A	Water	200 mL	1.0 mg/L	3/3/2014		
5.0 mg/L Ultra	Ultra L00439	1000 mg/L	1.0 mL	A	Dilution	200 mL	5.0 mg/L	5/31/2017		
Standard Description	Intermediate or Stock used to prepare standard	Intermediate or Stock concentration	Intermediate or Stock volume used in ml	Balance or Autopipet ID (*)	Diluent	Final Volume	Final Conc. of Standard (mg/l)	Expiration Date	Analyst	Date
0.005 mg/L	1.0 mg/L Absolute	1.0 mg/L	0.50 mL	A	Dilution	100 mL	0.005 mg/L	4/20/11	Q.E.	4/20/11
0.050 mg/L	1.0 mg/L Absolute	1.0 mg/L	5.0 mL	A	Water	100 mL	0.05 mg/L			
0.100 mg/L	10 mg/L Absolute	10.0 mg/L	1.0 mL	A		100 mL	0.1 mg/L			
0.500 mg/L	10 mg/L Absolute	10.0 mg/L	5.0 mL	A		100 mL	0.5 mg/L			
0.250 mg/L - CCV	10 mg/L	10.0 mg/L	2.50 mL	A	Dilution	100 mL	0.250 mg/L	4/20/11	Q.E.	4/20/11
					Water					

\* If Class A glass pipets are used, enter an A. For balances or autopipets, then enter the appropriate Accutest ID number.

All Standards prepared with dilution water pHed between 9 and 9.5 - No further pH adjustment necessary

Form: GN121-01  
 Rev. Date: 1/13/09





GN50164

## Reagent Information Log - XCR - 7199 AQ

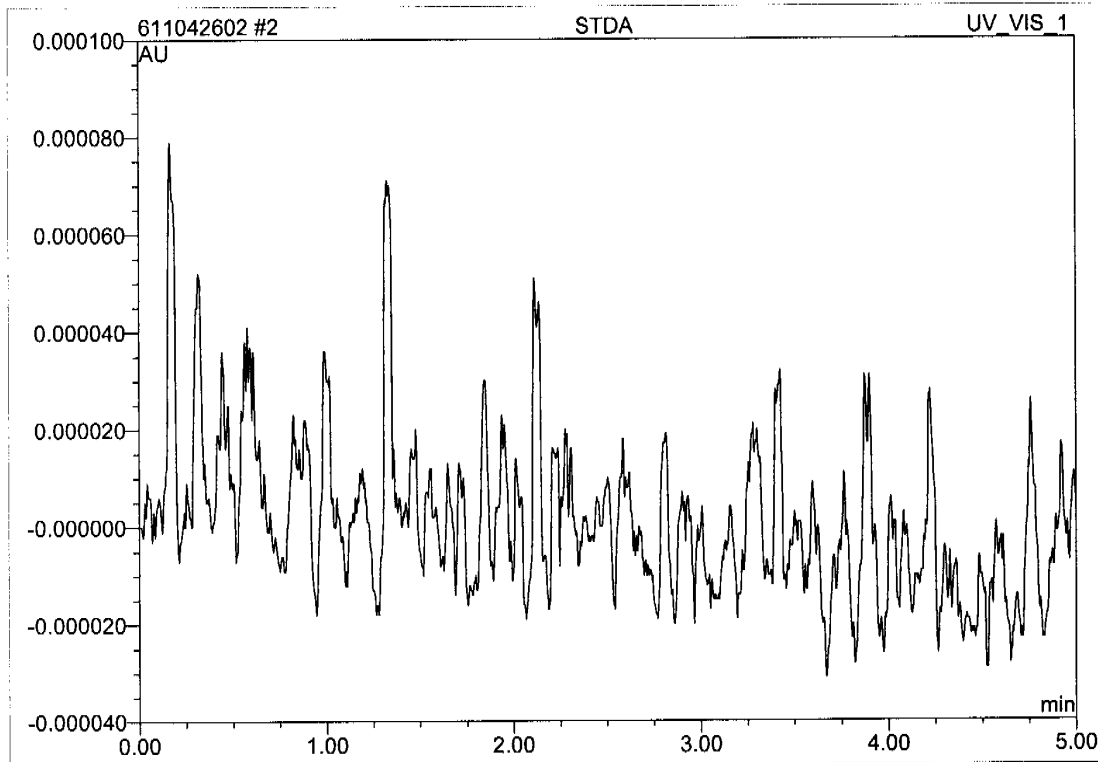
<u>Reagent</u>	<u>Reagent # or Manufacturer/Lot</u>
Calibration Source: Hexavalent Chromium, 1000 mg/L Stock	3/3/14 absolute Grade lot 030311
Calibration Checks: Hexavalent Chromium, 1000 mg/L Stock	5/31/17 ultra lot L00439
Spiking Solution Source	3/3/14 absolute Grade lot 030311
Post-column reagent	5/1/11 GNE4-28126-1XCR
Eluent	10/15/11 GNE4-28023-1XCR
Buffer Solution	9/12/11 GNE3-27698-1XCR
Dilution water	9/12/11 GNE3-27839-1XCR

8.1  
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All standards and stocks were made as described in the SOP for this method (circle one): Y or N  
If no (N), see attached page for standards prep.

Form: GN-0871-78  
Rev. Date: 09/19/07

2 STDA			
Sample Name:	STDA	Injection Volume:	25.0
Vial Number:	2	Channel:	UV_VIS_1
Sample Type:	standard	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 9:33	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



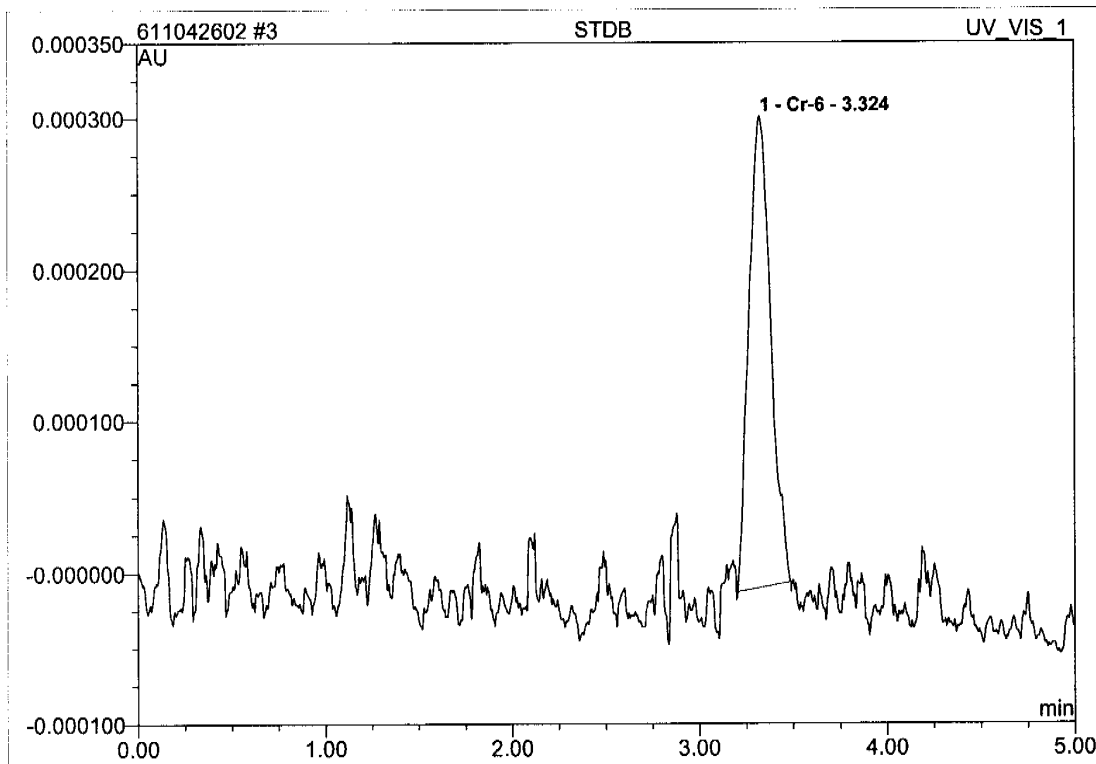
No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
Total:			0.000	0.000	0.00	0.000	

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
Version 6.80 SR10 Build 2818 (166959)

8.1  
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3 STDB			
Sample Name:	STDB	Injection Volume:	25.0
Vial Number:	3	Channel:	UV_VIS_1
Sample Type:	standard	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 9:41	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



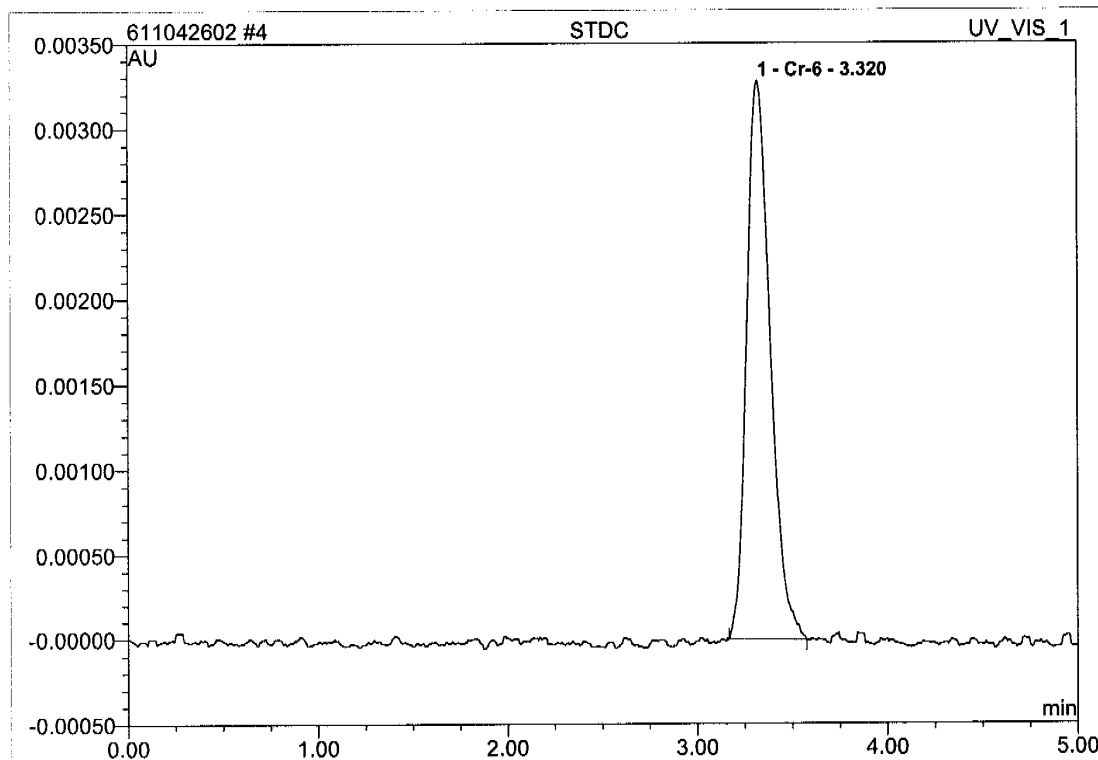
No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	3.32	Cr-6	0.000	0.000	100.00	0.0051	BMB
<b>Total:</b>			0.000	0.000	100.00	0.005	

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
Version 6.80 SR10 Build 2818 (166959)

8.1  
8

4 STDC			
Sample Name:	STDC	Injection Volume:	25.0
Vial Number:	4	Channel:	UV_VIS_1
Sample Type:	standard	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 9:49	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



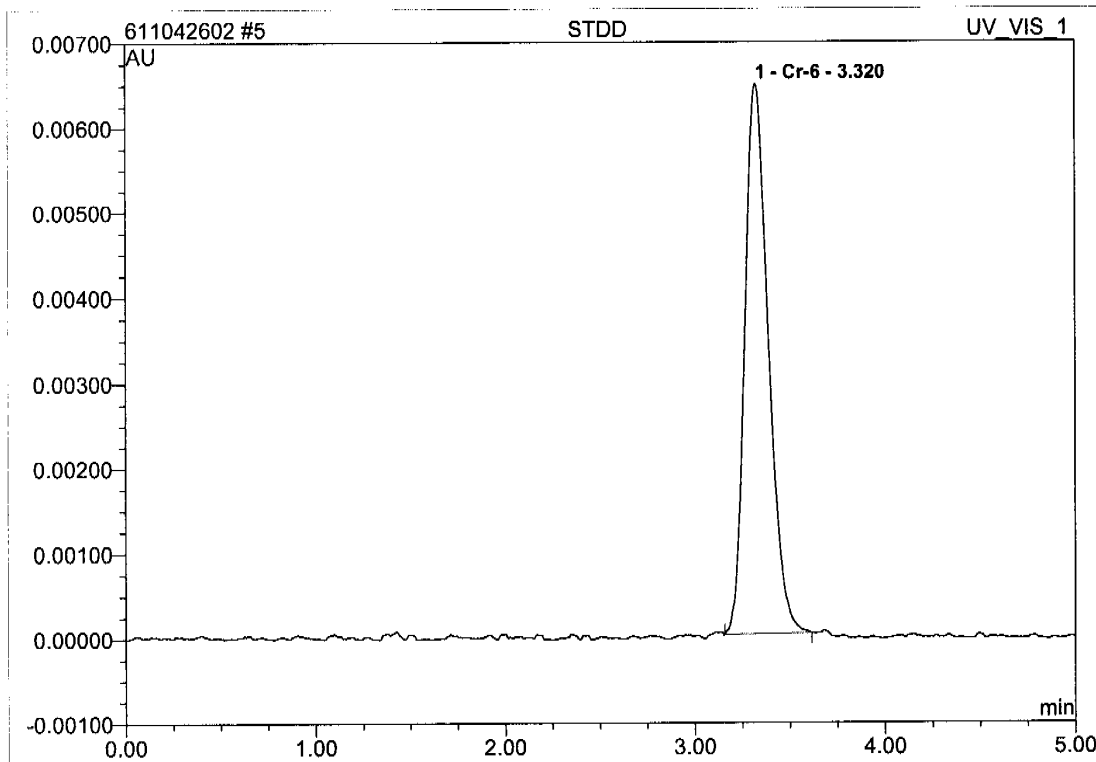
No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	3.32	Cr-6	0.003	0.000	100.00	0.0510	BMB
<b>Total:</b>			0.003	0.000	100.00	0.051	

hexachrome/Integration

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8.1  
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5 STDD			
Sample Name:	STDD	Injection Volume:	25.0
Vial Number:	5	Channel:	UV_VIS_1
Sample Type:	standard	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 9:57	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



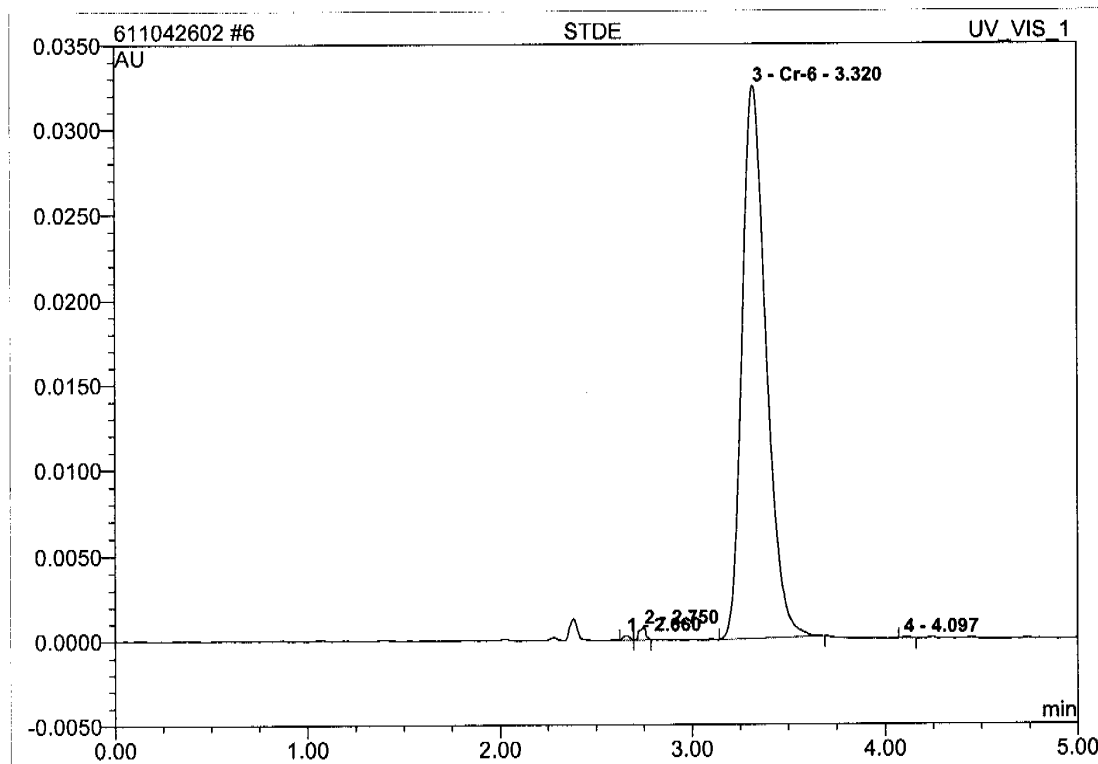
No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	3.32	Cr-6	0.006	0.001	100.00	0.0988	BMB
<b>Total:</b>			0.006	0.001	100.00	0.099	

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
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6 STDE			
Sample Name:	STDE	Injection Volume:	25.0
Vial Number:	6	Channel:	UV_VIS_1
Sample Type:	standard	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 10:05	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



No.	Ret. Time min	Peak Name	Height AU	Area AU*min	Rel. Area %	Amount ppm	Type
1	2.66	n.a.	0.000	0.000	0.23	n.a.	BM
2	2.75	n.a.	0.001	0.000	0.63	n.a.	MB
3	3.32	Cr-6	0.032	0.005	99.06	0.5001	BMB
4	4.10	n.a.	0.000	0.000	0.08	n.a.	BMB
<b>Total:</b>			0.034	0.005	100.00	0.500	

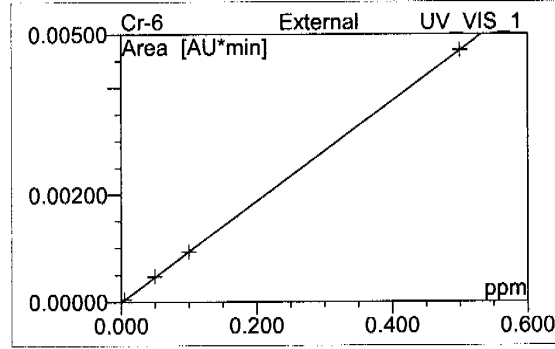
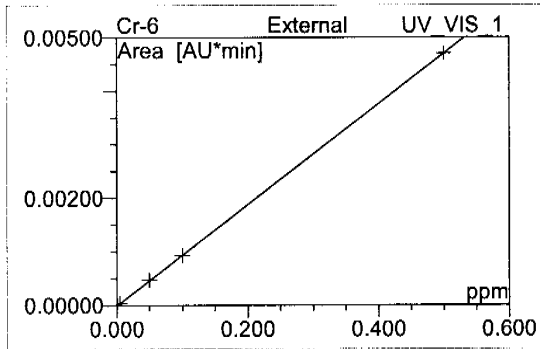
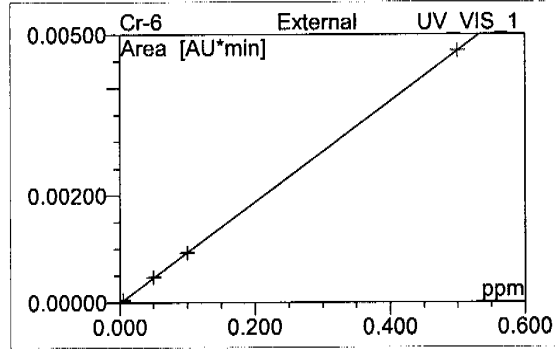
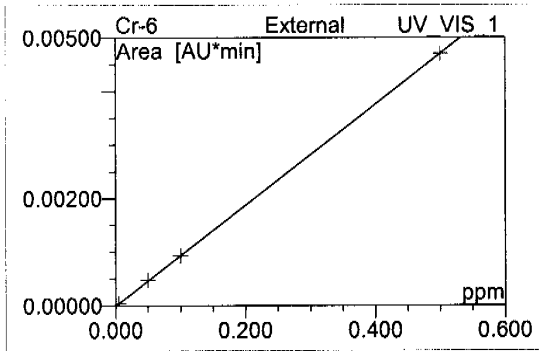
hexachrome/Integration

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## 6 STDE

Sample Name:	STDE	Injection Volume:	25.0
Vial Number:	6	Channel:	UV_VIS_1
Sample Type:	standard	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 10:05	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000

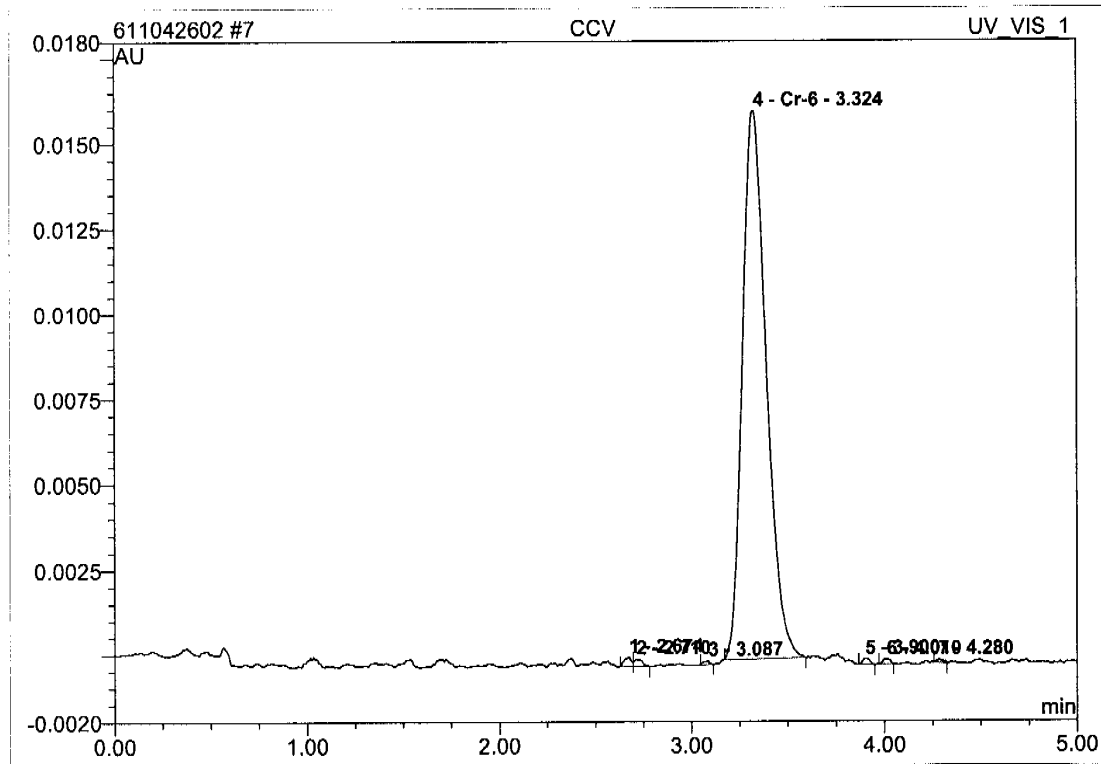


No.	Ret.Time min	Peak Name	Cal.Type	Points	Coeff.Det. %	Offset	Slope	Curve
1	2.66	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
2	2.75	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
3	3.32	Cr-6	LOff	4	99.9984	0.0000	0.0094	0.0000
4	4.10	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
<b>Average:</b>					99.9984	0.0000	0.0094	0.0000

hexachrome/Calibration(Batch)

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<b>7 CCV</b>			
Sample Name:	CCV	Injection Volume:	25.0
Vial Number:	7	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 15:33	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



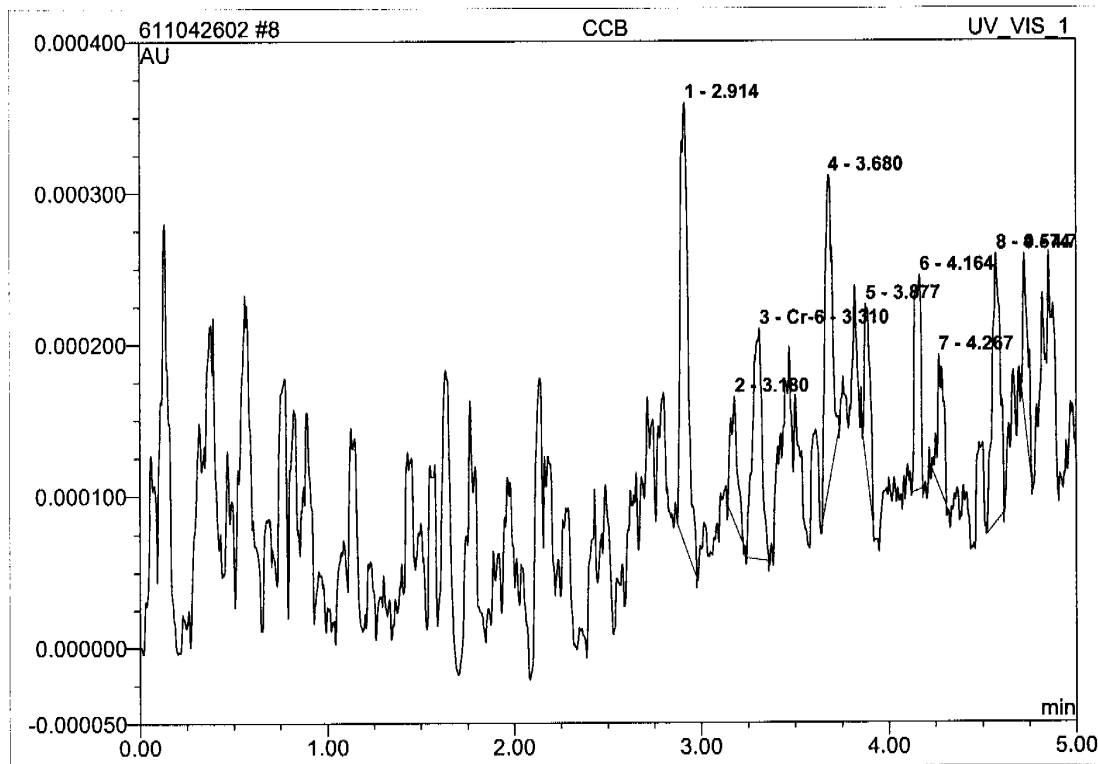
No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.67	n.a.	0.000	0.000	0.51	n.a.	BM
2	2.71	n.a.	0.000	0.000	0.44	n.a.	MB
3	3.09	n.a.	0.000	0.000	0.18	n.a.	BMB
4	3.32	Cr-6	0.016	0.002	98.12	0.2461	BMB
5	3.90	n.a.	0.000	0.000	0.31	n.a.	BMB
6	4.01	n.a.	0.000	0.000	0.28	n.a.	BMB
7	4.28	n.a.	0.000	0.000	0.17	n.a.	BMB
<b>Total:</b>			0.017	0.002	100.00	0.246	

hexachrome/Integration

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<b>8 CCB</b>			
Sample Name:	CCB	Injection Volume:	25.0
Vial Number:	8	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 15:40	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000

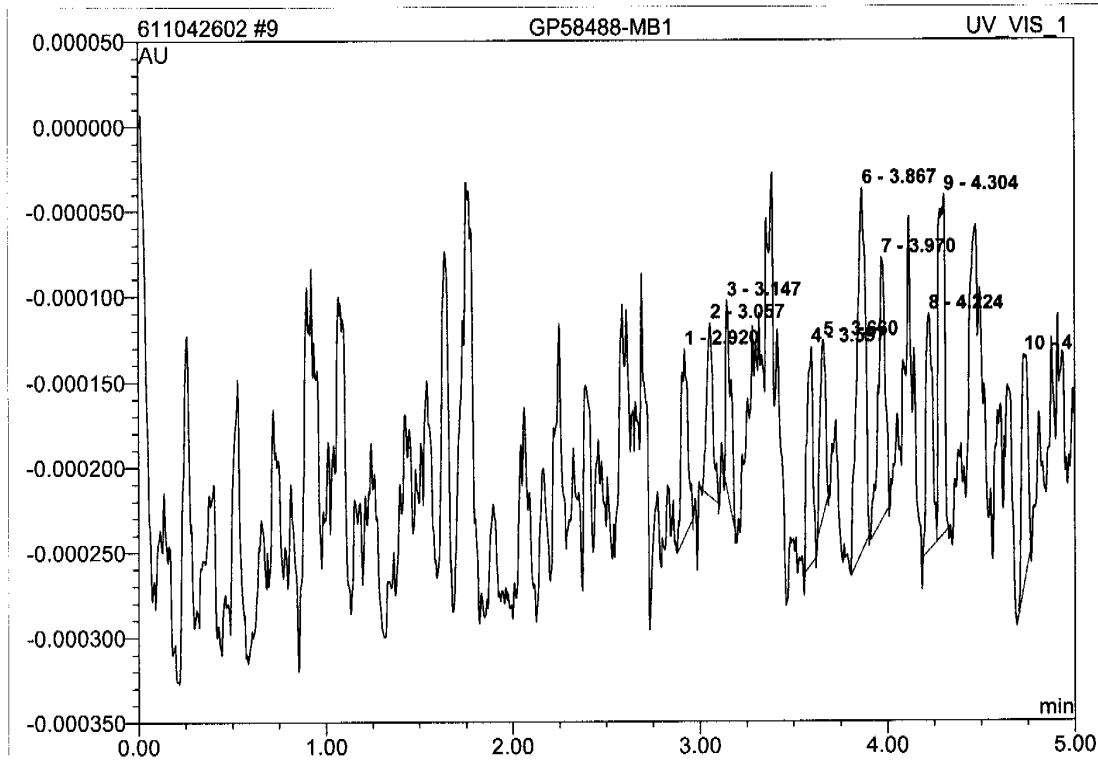


No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.91	n.a.	0.000	0.000	23.21	n.a.	BMB
2	3.18	n.a.	0.000	0.000	5.62	n.a.	BMB
3	3.31	Cr-6	0.000	0.000	14.49	0.0015	BMB
4	3.68	n.a.	0.000	0.000	15.28	n.a.	BMB
5	3.88	n.a.	0.000	0.000	6.48	n.a.	BMB
6	4.16	n.a.	0.000	0.000	9.18	n.a.	BMB
7	4.27	n.a.	0.000	0.000	5.79	n.a.	BMB
8	4.57	n.a.	0.000	0.000	14.19	n.a.	BMB
9	4.72	n.a.	0.000	0.000	5.77	n.a.	BMB
<b>Total:</b>			0.001	0.000	100.00	0.002	

hexachrome/Integration

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Version 6.80 SR10 Build 2818 (166959)

<b>9 GP58488-MB1</b>			
Sample Name:	GP58488-MB1	Injection Volume:	25.0
Vial Number:	9	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 15:48	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000

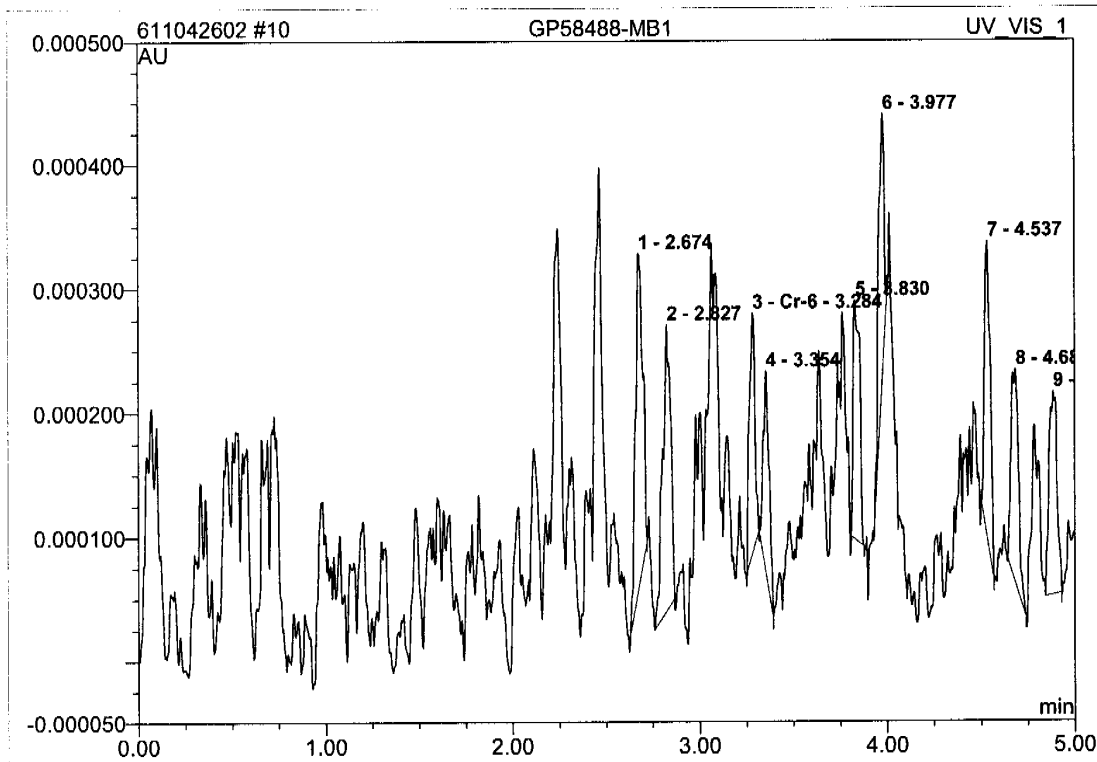


No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.92	n.a.	0.000	0.000	8.04	n.a.	BMB
2	3.06	n.a.	0.000	0.000	6.80	n.a.	BMB
3	3.15	n.a.	0.000	0.000	6.26	n.a.	BMB
4	3.60	n.a.	0.000	0.000	8.24	n.a.	BMB
5	3.66	n.a.	0.000	0.000	6.27	n.a.	BMB
6	3.87	n.a.	0.000	0.000	19.61	n.a.	BMB
7	3.97	n.a.	0.000	0.000	11.71	n.a.	BMB
8	4.22	n.a.	0.000	0.000	9.64	n.a.	BM
9	4.30	n.a.	0.000	0.000	14.19	n.a.	MB
10	4.73	n.a.	0.000	0.000	9.26	n.a.	BMB
<b>Total:</b>			0.001	0.000	100.00	0.000	

hexachrome/Integration

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10 GP58488-MB1			
Sample Name:	GP58488-MB1	Injection Volume:	25.0
Vial Number:	10	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 15:56	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.67	n.a.	0.000	0.000	15.76	n.a.	BMB
2	2.83	n.a.	0.000	0.000	15.27	n.a.	BMB
3	3.28	Cr-6	0.000	0.000	8.75	0.0013	BMB
4	3.35	n.a.	0.000	0.000	7.77	n.a.	bMB
5	3.83	n.a.	0.000	0.000	10.07	n.a.	BMB
6	3.98	n.a.	0.000	0.000	10.28	n.a.	BMB
7	4.54	n.a.	0.000	0.000	11.42	n.a.	BMB
8	4.68	n.a.	0.000	0.000	10.07	n.a.	BMB
9	4.89	n.a.	0.000	0.000	10.60	n.a.	BMB
<b>Total:</b>			0.002	0.000	100.00	0.001	

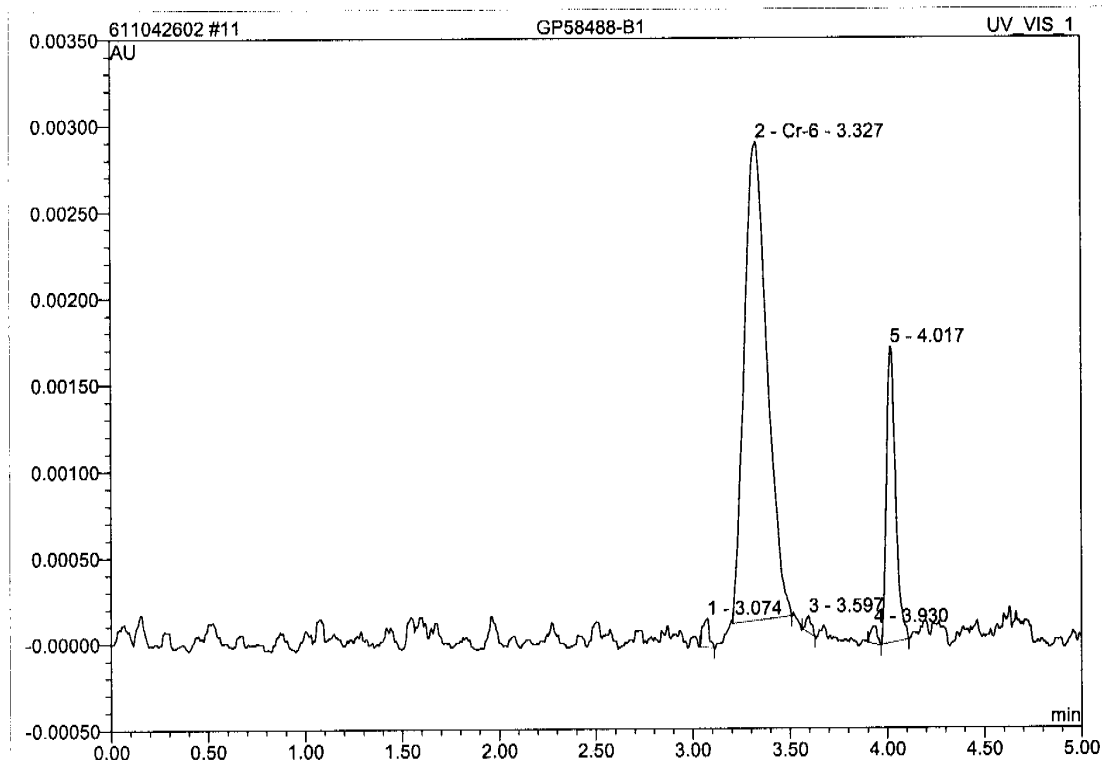
hexachrome/Integration

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8.1  
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### 11 GP58488-B1

Sample Name:	GP58488-B1	Injection Volume:	25.0
Vial Number:	11	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 16:22	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	3.07	n.a.	0.000	0.000	1.39	n.a.	BMB
2	3.33	Cr-6	0.003	0.000	78.09	0.0407	BMB
3	3.60	n.a.	0.000	0.000	0.69	n.a.	BMB
4	3.93	n.a.	0.000	0.000	0.84	n.a.	BMB
5	4.02	n.a.	0.002	0.000	18.99	n.a.	BMB
<b>Total:</b>			0.005	0.000	100.00	0.041	

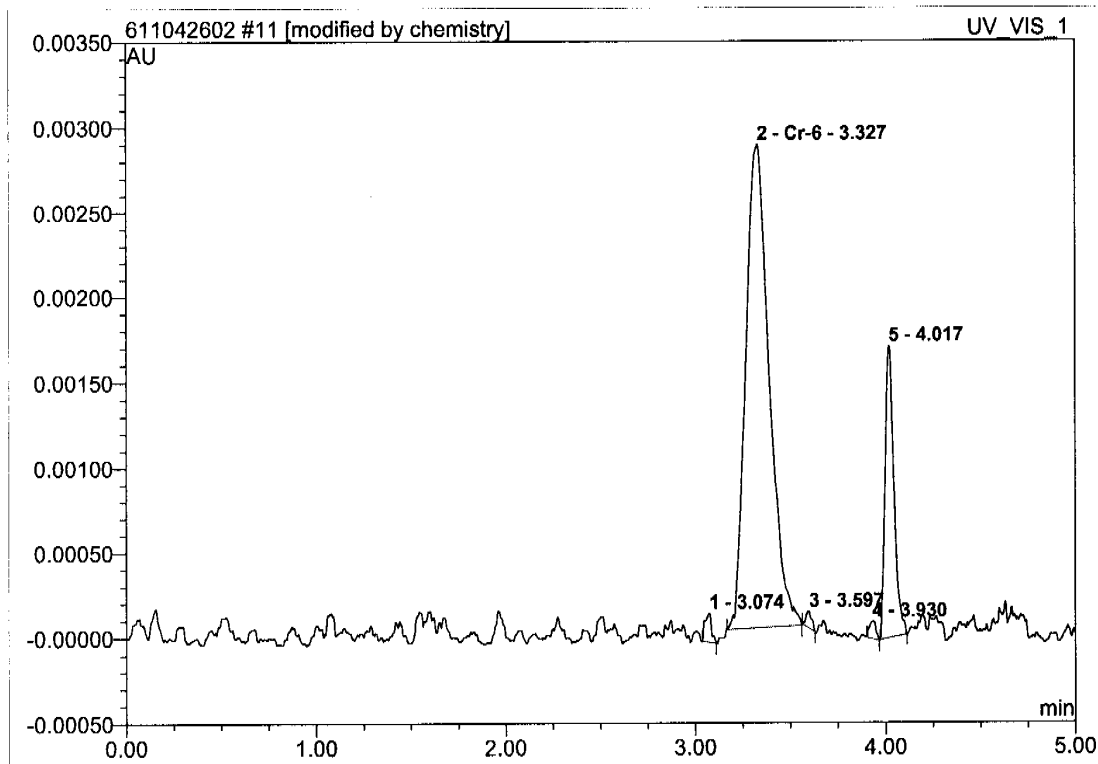
hexachrome/Integration

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8.1  
8

### 11 GP58488-B1

Sample Name:	GP58488-B1	Injection Volume:	25.0
Vial Number:	11	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 16:22	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000

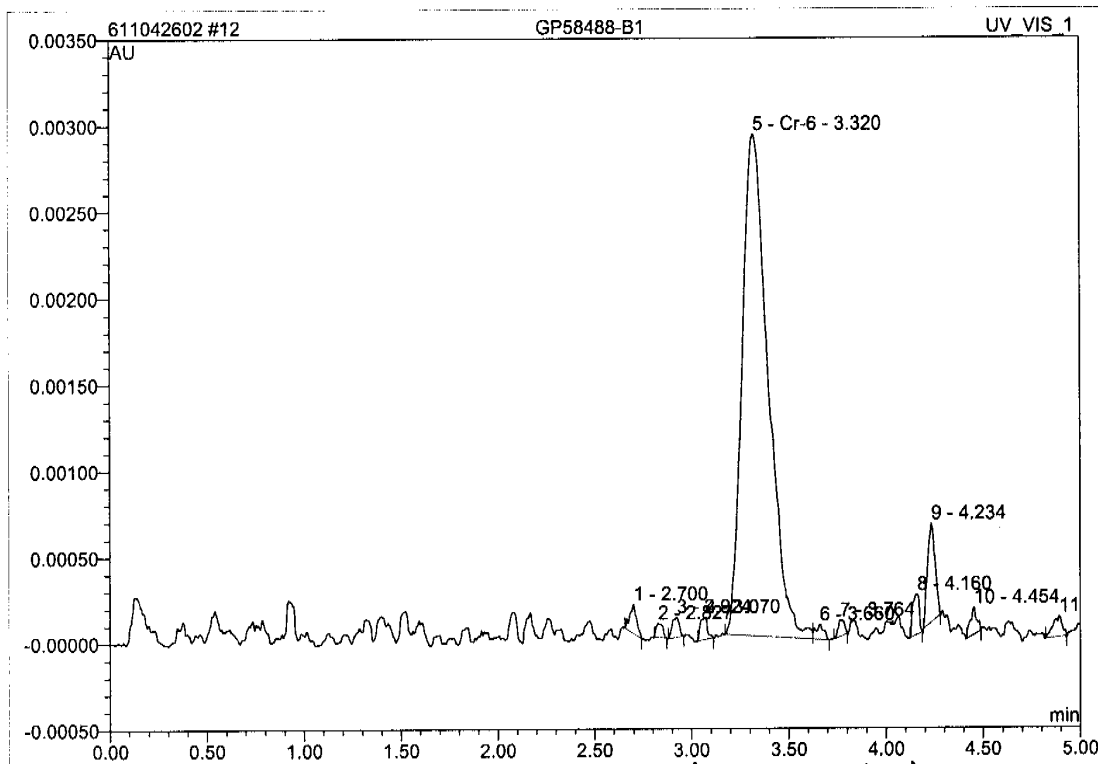


No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	3.07	n.a.	0.000	0.000	1.31	n.a.	BMB
2	3.33	Cr-6	0.003	0.000	79.30	0.0437	BMB*
3	3.60	n.a.	0.000	0.000	0.65	n.a.	BMB
4	3.93	n.a.	0.000	0.000	0.80	n.a.	BMB
5	4.02	n.a.	0.002	0.000	17.95	n.a.	BMB
<b>Total:</b>			0.005	0.001	100.00	0.044	

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<b>12 GP58488-B1</b>			
Sample Name:	GP58488-B1	Injection Volume:	25.0
Vial Number:	12	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 16:29	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.70	n.a.	0.000	0.000	1.31	n.a.	BMB
2	2.83	n.a.	0.000	0.000	0.61	n.a.	BMB
3	2.92	n.a.	0.000	0.000	0.96	n.a.	BMB
4	3.07	n.a.	0.000	0.000	1.07	n.a.	BMB
5	3.32	Cr-6	0.003	0.000	85.37	0.0484	BM
6	3.66	n.a.	0.000	0.000	0.81	n.a.	MB
7	3.76	n.a.	0.000	0.000	0.69	n.a.	BMB
8	4.16	n.a.	0.000	0.000	1.74	n.a.	BMB
9	4.23	n.a.	0.001	0.000	4.92	n.a.	BMB
10	4.45	n.a.	0.000	0.000	1.22	n.a.	BMB
11	4.89	n.a.	0.000	0.000	1.30	n.a.	BMB

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Total:	0.005	0.001	100.00	0.048
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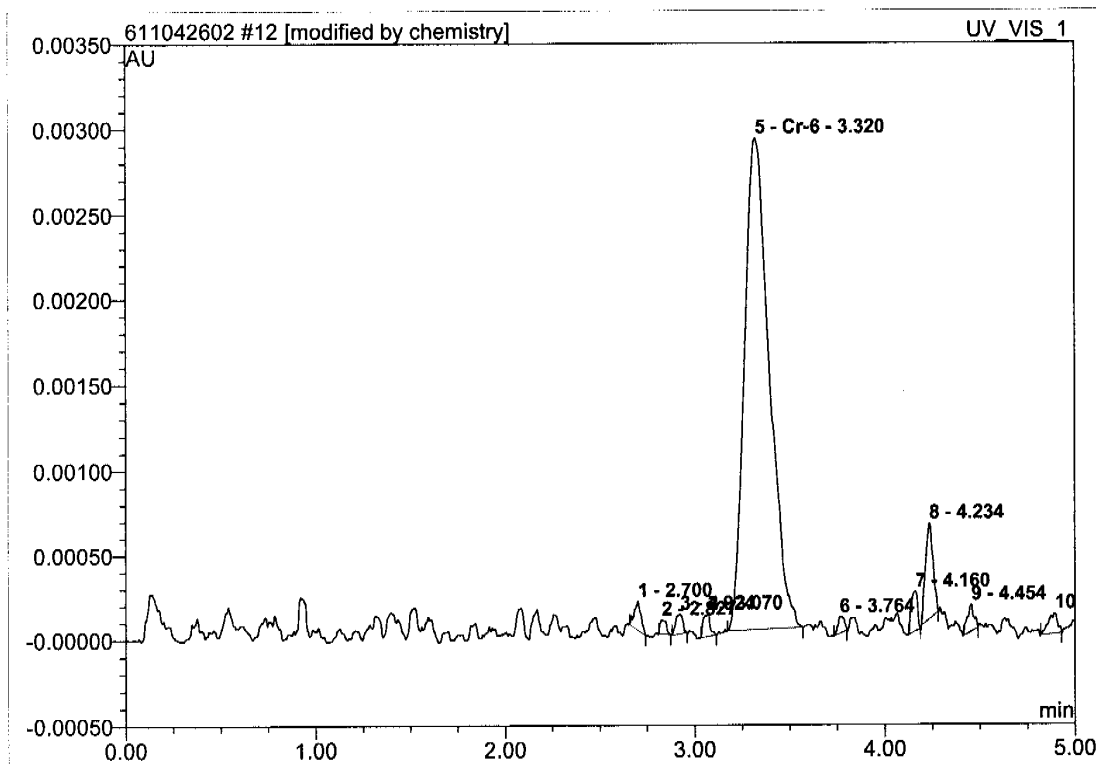
8

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### 12 GP58488-B1

Sample Name:	GP58488-B1	Injection Volume:	25.0
Vial Number:	12	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 16:29	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



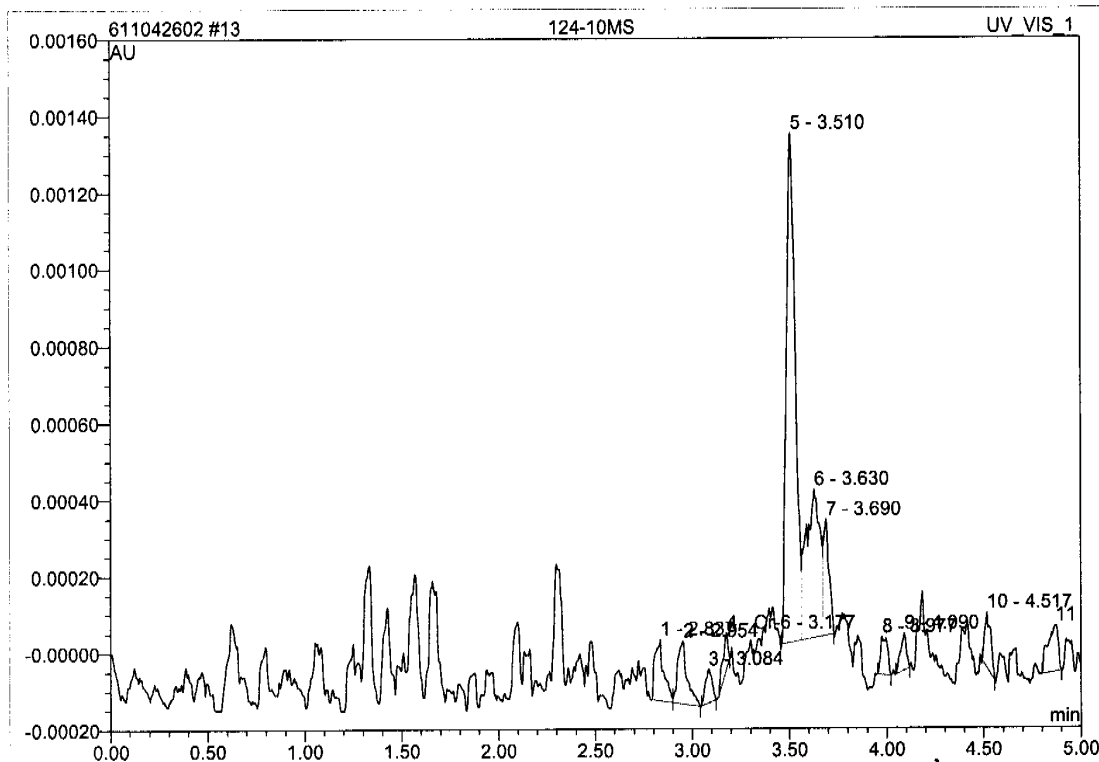
No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.70	n.a.	0.000	0.000	1.35	n.a.	BMB
2	2.83	n.a.	0.000	0.000	0.63	n.a.	BMB
3	2.92	n.a.	0.000	0.000	0.99	n.a.	BMB
4	3.07	n.a.	0.000	0.000	1.11	n.a.	BMB
5	3.32	Cr-6	0.003	0.000	85.75	0.0471	BMB*
6	3.76	n.a.	0.000	0.000	0.71	n.a.	BMB
7	4.16	n.a.	0.000	0.000	1.80	n.a.	BMB
8	4.23	n.a.	0.001	0.000	5.07	n.a.	BMB
9	4.45	n.a.	0.000	0.000	1.26	n.a.	BMB
10	4.89	n.a.	0.000	0.000	1.34	n.a.	BMB
<b>Total:</b>			0.005	0.001	100.00	0.047	

hexachrome/Integration

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<b>13 124-10MS</b>			
Sample Name:	124-10MS	Injection Volume:	25.0
Vial Number:	13	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 16:37	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



No.	Ret. Time min	Peak Name	Height AU	Area AU*min	Rel. Area %	Amount ppm	Type
1	2.84	n.a.	0.000	0.000	5.42	n.a.	BM
2	2.95	n.a.	0.000	0.000	5.94	n.a.	MB
3	3.08	n.a.	0.000	0.000	2.21	n.a.	BMB
4	3.18	Cr-6	0.000	0.000	1.97	0.0009	BMB
5	3.51	n.a.	0.001	0.000	44.88	n.a.	BM
6	3.63	n.a.	0.000	0.000	20.40	n.a.	M
7	3.69	n.a.	0.000	0.000	6.51	n.a.	MB
8	3.98	n.a.	0.000	0.000	2.58	n.a.	BMB
9	4.09	n.a.	0.000	0.000	2.11	n.a.	BMB
10	4.52	n.a.	0.000	0.000	3.26	n.a.	BMB
11	4.87	n.a.	0.000	0.000	4.72	n.a.	BMB

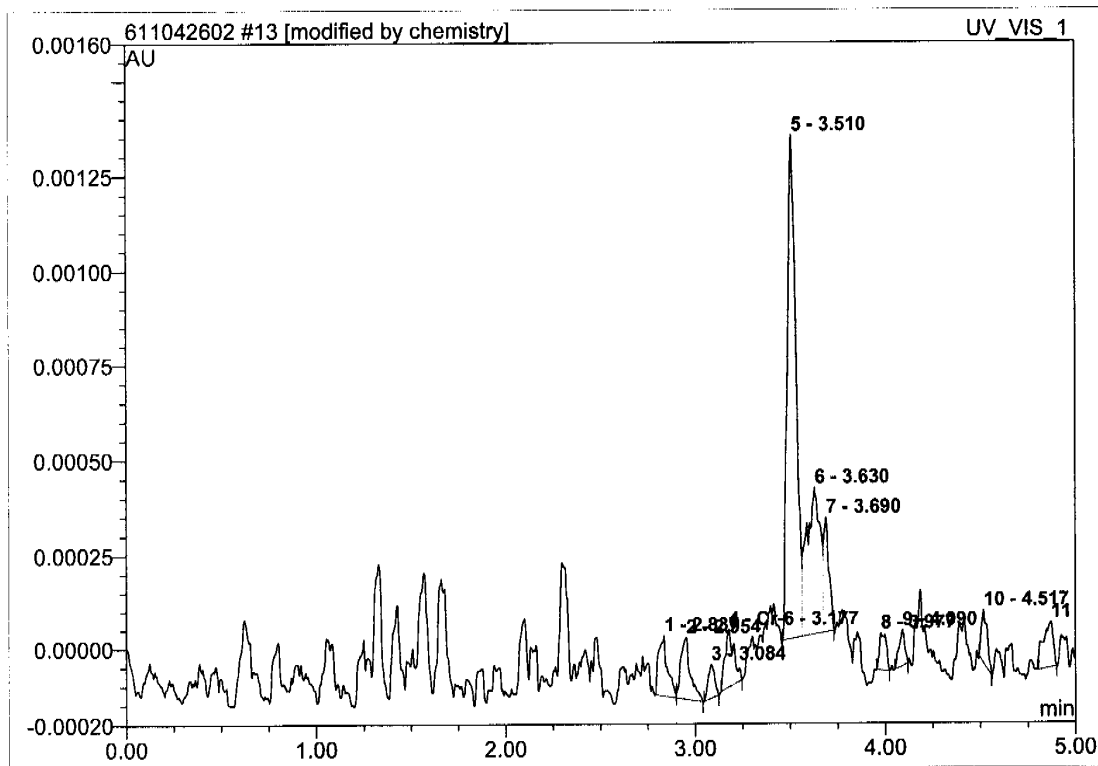
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<b>Total:</b>	0.003	0.000	100.00	0.001
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<b>13 GP58488-S1</b>			
Sample Name:	GP58488-S1	Injection Volume:	25.0
Vial Number:	13	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 16:37	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.84	n.a.	0.000	0.000	5.26	n.a.	BM
2	2.95	n.a.	0.000	0.000	5.76	n.a.	MB
3	3.08	n.a.	0.000	0.000	2.14	n.a.	BMB
4	3.18	Cr-6	0.000	0.000	4.94	0.0015	BMB*
5	3.51	n.a.	0.001	0.000	43.53	n.a.	BM
6	3.63	n.a.	0.000	0.000	19.78	n.a.	M
7	3.69	n.a.	0.000	0.000	6.31	n.a.	MB
8	3.98	n.a.	0.000	0.000	2.50	n.a.	BMB
9	4.09	n.a.	0.000	0.000	2.05	n.a.	BMB
10	4.52	n.a.	0.000	0.000	3.16	n.a.	BMB
11	4.87	n.a.	0.000	0.000	4.57	n.a.	BMB

hexachrome/Integration

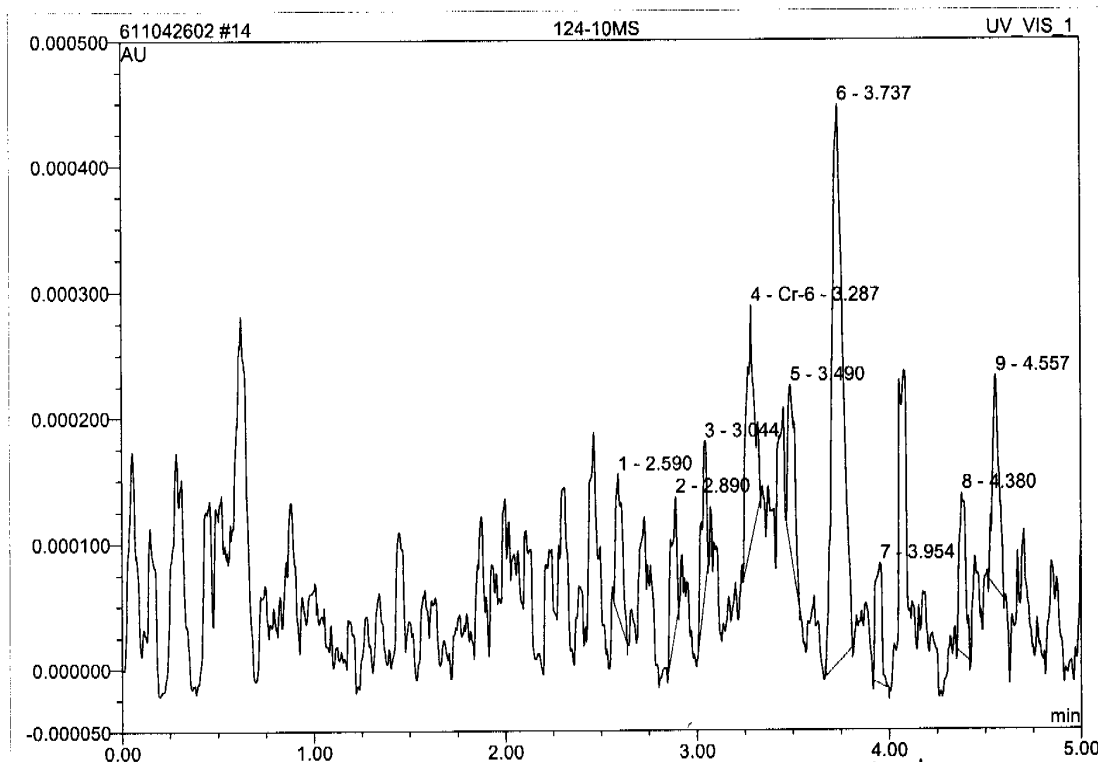
Chromeleon (c) Dionex 1996-2001  
Version 6.80 SR10 Build 2818 (166959)

<b>Total:</b>	0.003	0.000	100.00	0.001
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hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
Version 6.80 SR10 Build 2818 (166959)

<b>14 124-10MS</b>			
Sample Name:	124-10MS	Injection Volume:	25.0
Vial Number:	14	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 16:45	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



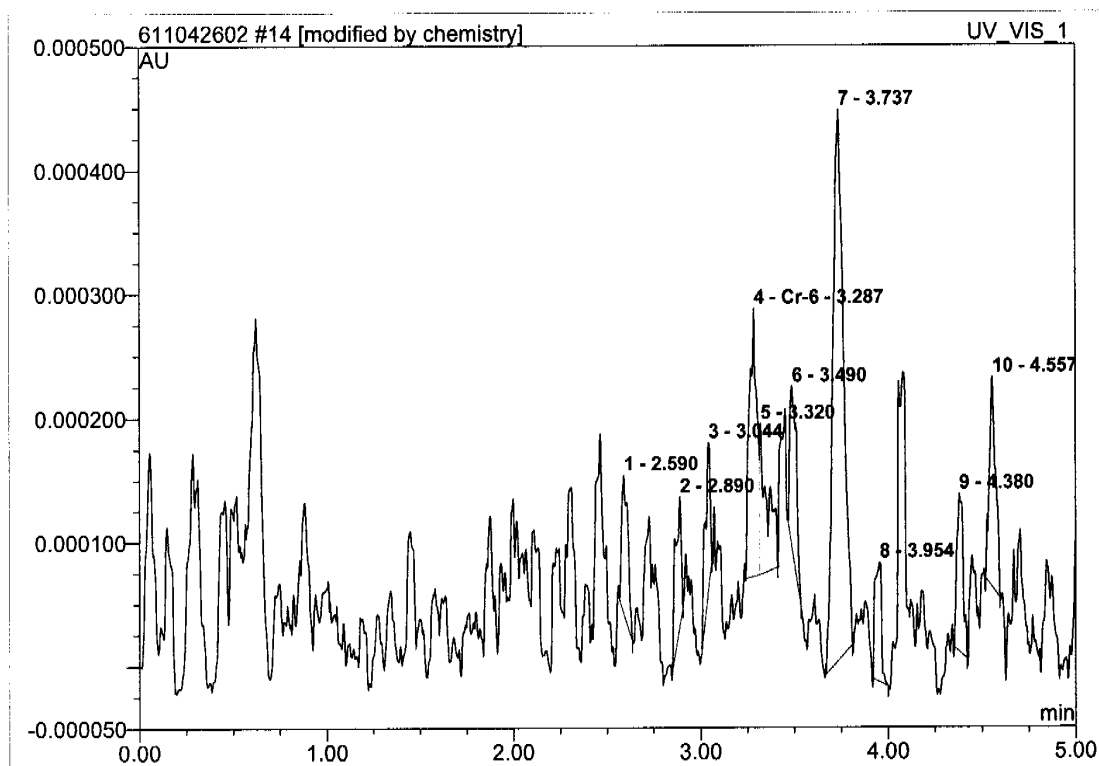
No.	Ret. Time min	Peak Name	Height AU	Area AU*min	Rel. Area %	Amount ppm	Type
1	2.59	n.a.	0.000	0.000	6.19	n.a.	BMB
2	2.89	n.a.	0.000	0.000	5.40	n.a.	BMB
3	3.04	n.a.	0.000	0.000	5.51	n.a.	BMB
4	3.29	Cr-6	0.000	0.000	12.64	0.0016	BMB
5	3.49	n.a.	0.000	0.000	7.60	n.a.	BMB
6	3.74	n.a.	0.000	0.000	41.00	n.a.	BMB
7	3.95	n.a.	0.000	0.000	5.37	n.a.	BMB
8	4.38	n.a.	0.000	0.000	6.96	n.a.	BMB
9	4.56	n.a.	0.000	0.000	9.33	n.a.	BMB
<b>Total:</b>			0.001	0.000	100.00	0.002	

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
Version 6.80 SR10 Build 2818 (166959)

### 14 GP58488-S1

Sample Name:	GP58488-S1	Injection Volume:	25.0
Vial Number:	14	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 16:45	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000

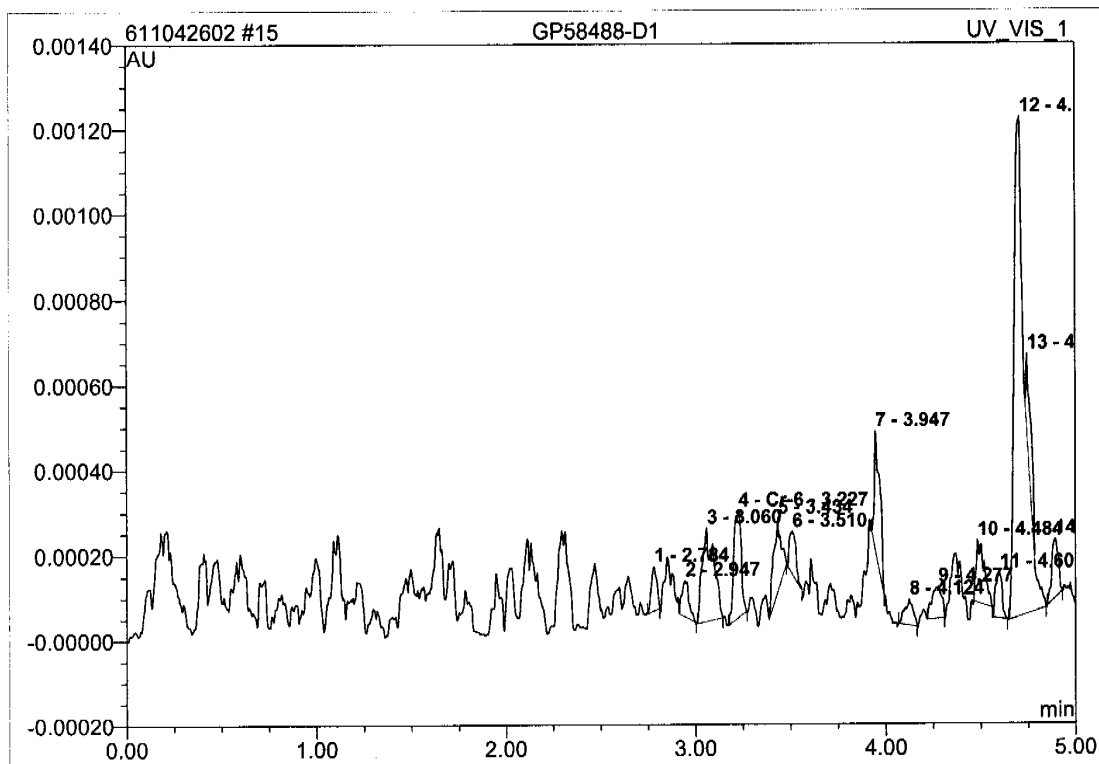


No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.59	n.a.	0.000	0.000	5.65	n.a.	BMB
2	2.89	n.a.	0.000	0.000	4.94	n.a.	BMB
3	3.04	n.a.	0.000	0.000	5.04	n.a.	BMB
4	3.29	Cr-6	0.000	0.000	12.56	0.0016	BM *
5	3.32	n.a.	0.000	0.000	7.61	n.a.	MB*
6	3.49	n.a.	0.000	0.000	6.95	n.a.	BMB
7	3.74	n.a.	0.000	0.000	37.46	n.a.	BMB
8	3.95	n.a.	0.000	0.000	4.90	n.a.	BMB
9	4.38	n.a.	0.000	0.000	6.35	n.a.	BMB
10	4.56	n.a.	0.000	0.000	8.52	n.a.	BMB
<b>Total:</b>			0.002	0.000	100.00	0.002	

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
Version 6.80 SR10 Build 2818 (166959)

<b>15 GP58488-D1</b>			
Sample Name:	GP58488-D1	Injection Volume:	25.0
Vial Number:	15	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 16:53	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.78	n.a.	0.000	0.000	2.14	n.a.	BMB
2	2.95	n.a.	0.000	0.000	2.19	n.a.	BMB
3	3.06	n.a.	0.000	0.000	9.36	n.a.	BMB
4	3.23	Cr-6	0.000	0.000	6.96	0.0018	BMB
5	3.43	n.a.	0.000	0.000	4.97	n.a.	BMB
6	3.51	n.a.	0.000	0.000	2.46	n.a.	BMB
7	3.95	n.a.	0.000	0.000	6.18	n.a.	BMB
8	4.12	n.a.	0.000	0.000	1.87	n.a.	BMB
9	4.28	n.a.	0.000	0.000	2.76	n.a.	BMB
10	4.48	n.a.	0.000	0.000	4.43	n.a.	BMB
11	4.60	n.a.	0.000	0.000	2.47	n.a.	BMB

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
Version 6.80 SR10 Build 2818 (166959)

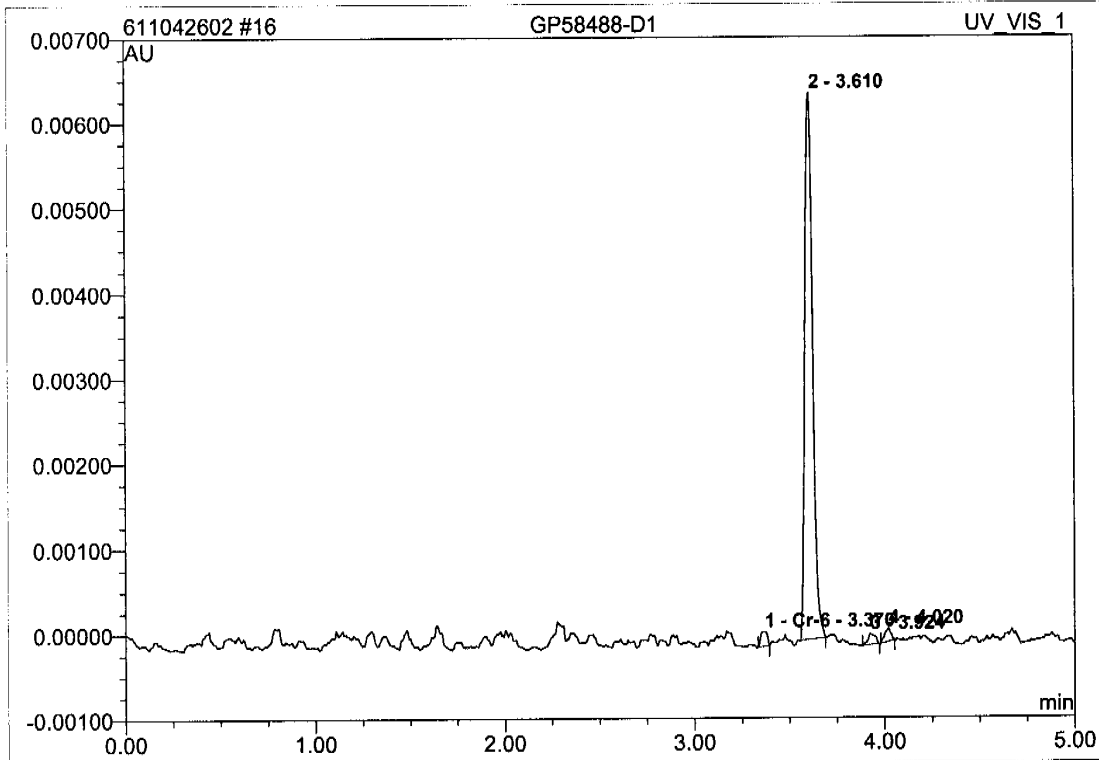
12	4.71	n.a.	0.001	0.000	46.52	n.a.	BMB
13	4.74	n.a.	0.000	0.000	4.31	n.a.	Rd
14	4.89	n.a.	0.000	0.000	3.38	n.a.	BMB
<b>Total:</b>			0.003	0.000	100.00	0.002	

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
Version 6.80 SR10 Build 2818 (166959)



<b>16 GP58488-D1</b>			
Sample Name:	GP58488-D1	Injection Volume:	25.0
Vial Number:	16	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 17:01	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



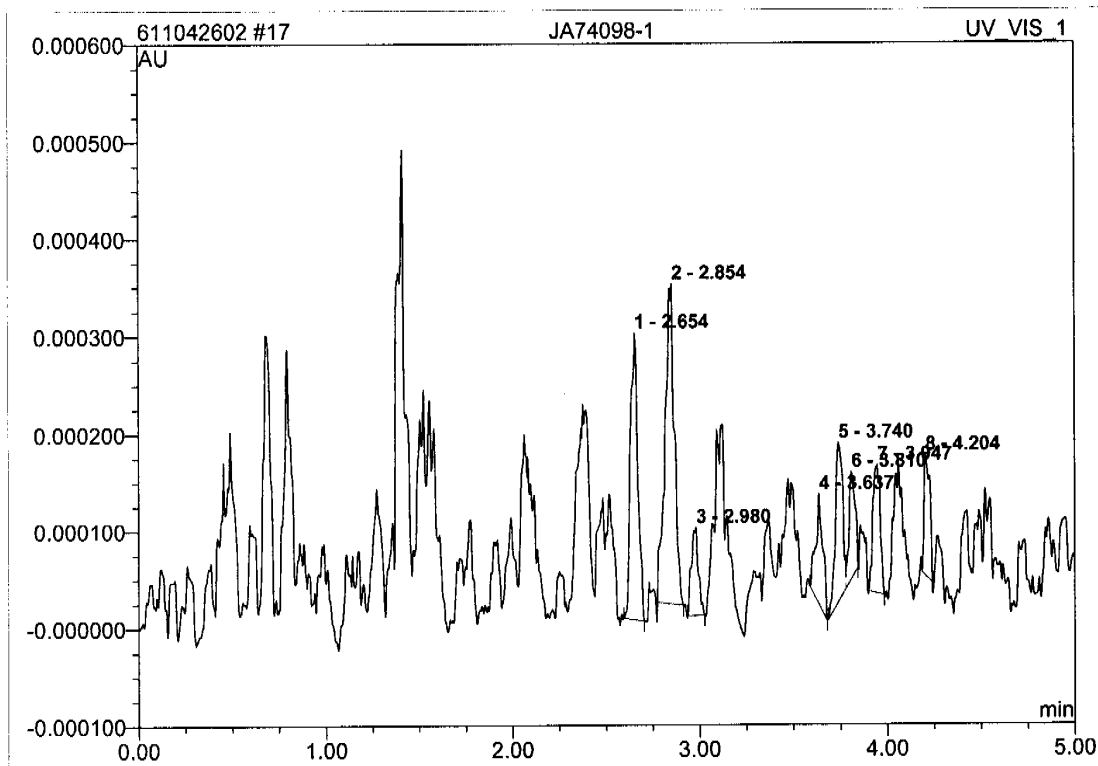
No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	3.37	Cr-6	0.000	0.000	2.12	0.0013	BMB
2	3.61	n.a.	0.006	0.000	94.31	n.a.	BMB
3	3.92	n.a.	0.000	0.000	1.75	n.a.	BMB
4	4.02	n.a.	0.000	0.000	1.81	n.a.	BMB
<b>Total:</b>			0.007	0.000	100.00	0.001	

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
Version 6.80 SR10 Build 2818 (166959)

8.1  
8

<b>17 JA74098-1</b>			
Sample Name:	JA74098-1	Injection Volume:	25.0
Vial Number:	17	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 17:09	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.65	n.a.	0.000	0.000	21.10	n.a.	BMB
2	2.85	n.a.	0.000	0.000	30.21	n.a.	BMB
3	2.98	n.a.	0.000	0.000	6.15	n.a.	BMB
4	3.64	n.a.	0.000	0.000	7.83	n.a.	BMB
5	3.74	n.a.	0.000	0.000	11.77	n.a.	BM
6	3.81	n.a.	0.000	0.000	6.52	n.a.	MB
7	3.95	n.a.	0.000	0.000	9.23	n.a.	BMB
8	4.20	n.a.	0.000	0.000	7.19	n.a.	BMB
<b>Total:</b>			0.001	0.000	100.00	0.000	

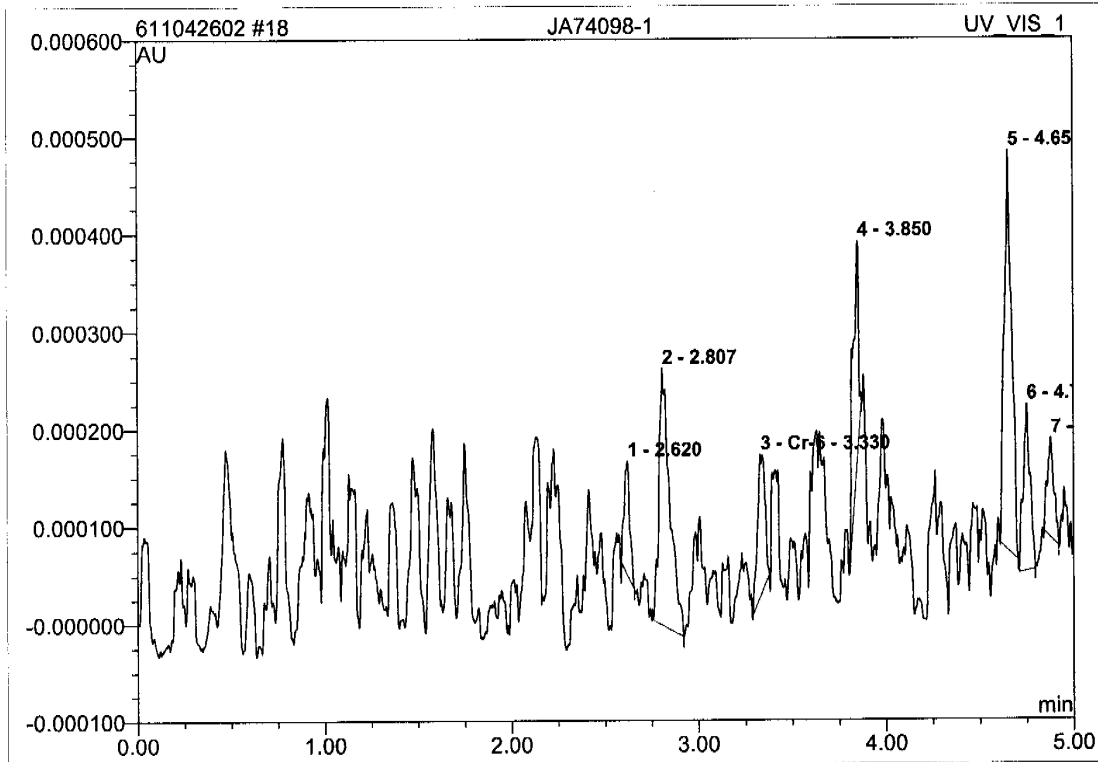
hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
Version 6.80 SR10 Build 2818 (166959)

8.1  
8

**18 JA74098-1**

Sample Name:	JA74098-1	Injection Volume:	25.0
Vial Number:	18	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 17:17	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000

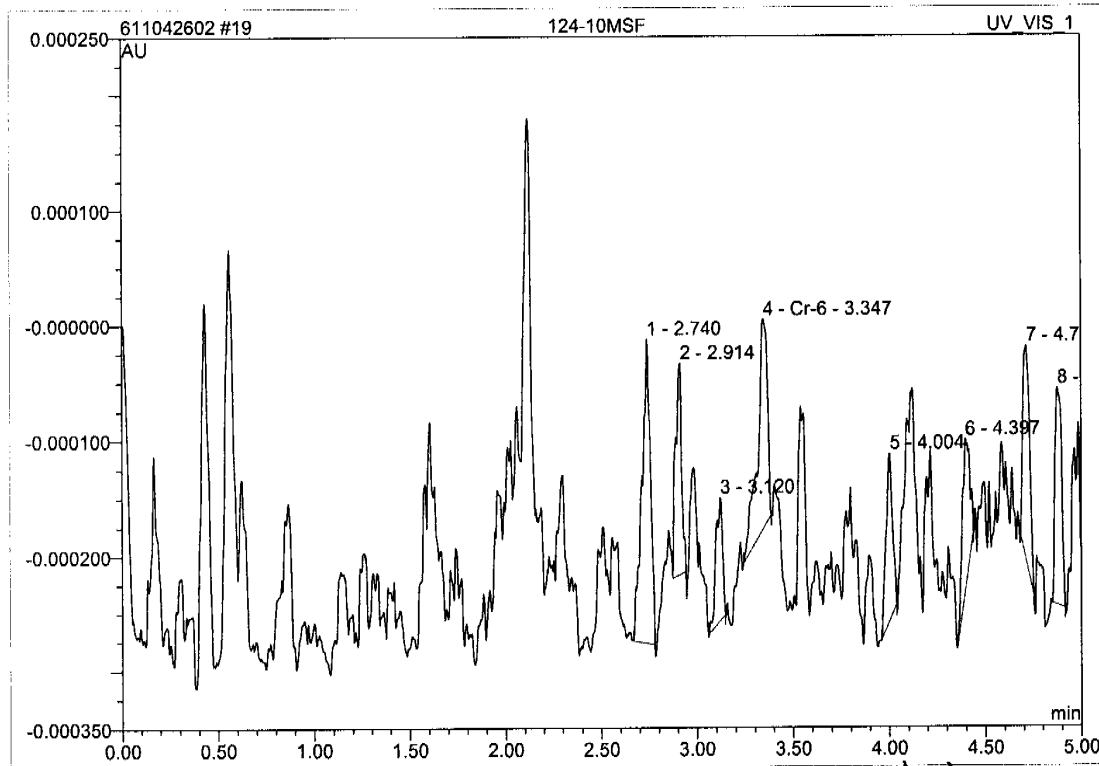


No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.62	n.a.	0.000	0.000	6.03	n.a.	BMB
2	2.81	n.a.	0.000	0.000	26.55	n.a.	BMB
3	3.33	Cr-6	0.000	0.000	10.08	0.0013	BMB
4	3.85	n.a.	0.000	0.000	12.24	n.a.	BMB
5	4.65	n.a.	0.000	0.000	28.13	n.a.	BMB
6	4.75	n.a.	0.000	0.000	10.79	n.a.	BMB
7	4.88	n.a.	0.000	0.000	6.17	n.a.	BMB
<b>Total:</b>			0.001	0.000	100.00	0.001	

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
Version 6.80 SR10 Build 2818 (166959)

<b>19 124-10MSF</b>			
<b>GP57768-PS1</b>			
Sample Name:	124-10MSF	Injection Volume:	25.0
Vial Number:	19	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 17:25	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



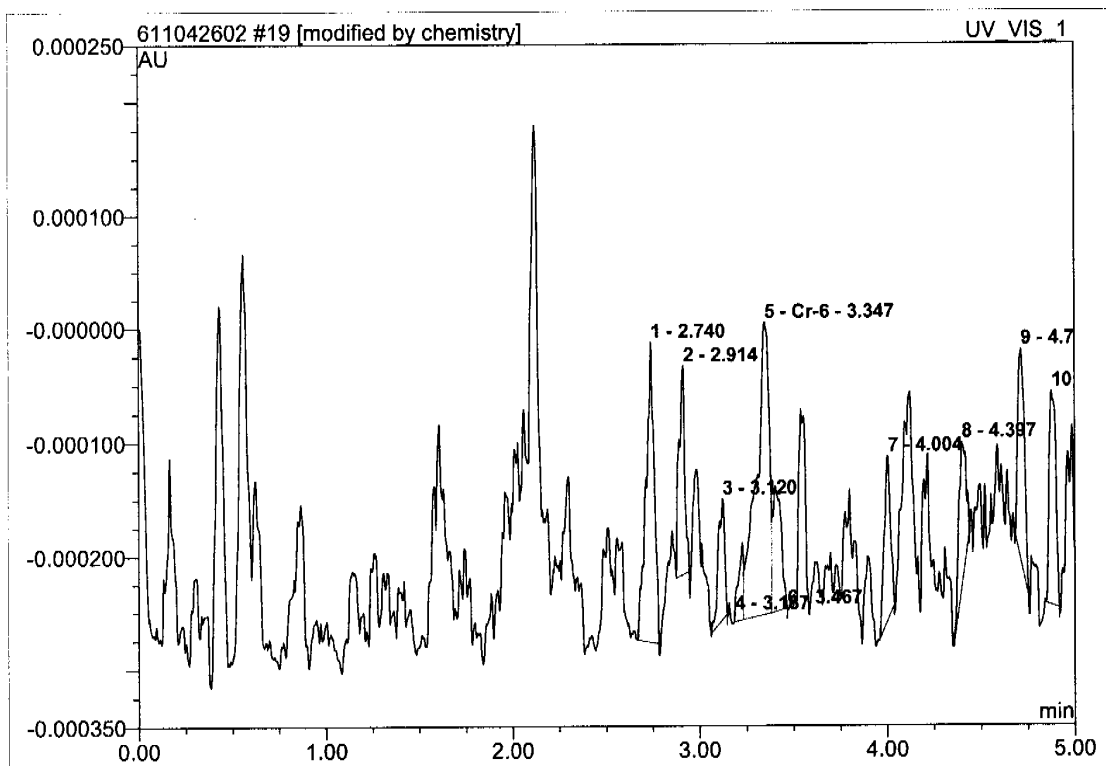
No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.74	n.a.	0.000	0.000	22.12	n.a.	BMB
2	2.91	n.a.	0.000	0.000	10.84	n.a.	BMB
3	3.12	n.a.	0.000	0.000	6.97	n.a.	BMB
4	3.35	Cr-6	0.000	0.000	17.28	0.0017	BMB
5	4.00	n.a.	0.000	0.000	9.16	n.a.	BMB
6	4.40	n.a.	0.000	0.000	9.17	n.a.	BMB
7	4.71	n.a.	0.000	0.000	12.21	n.a.	BMB
8	4.88	n.a.	0.000	0.000	12.25	n.a.	BMB
<b>Total:</b>			0.001	0.000	100.00	0.002	

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
Version 6.80 SR10 Build 2818 (166959)

8.1  
8

<b>19 GP58488-S2</b>			
<b>GP57768-PS1</b>			
Sample Name:	GP58488-S2	Injection Volume:	25.0
Vial Number:	19	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 17:25	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000

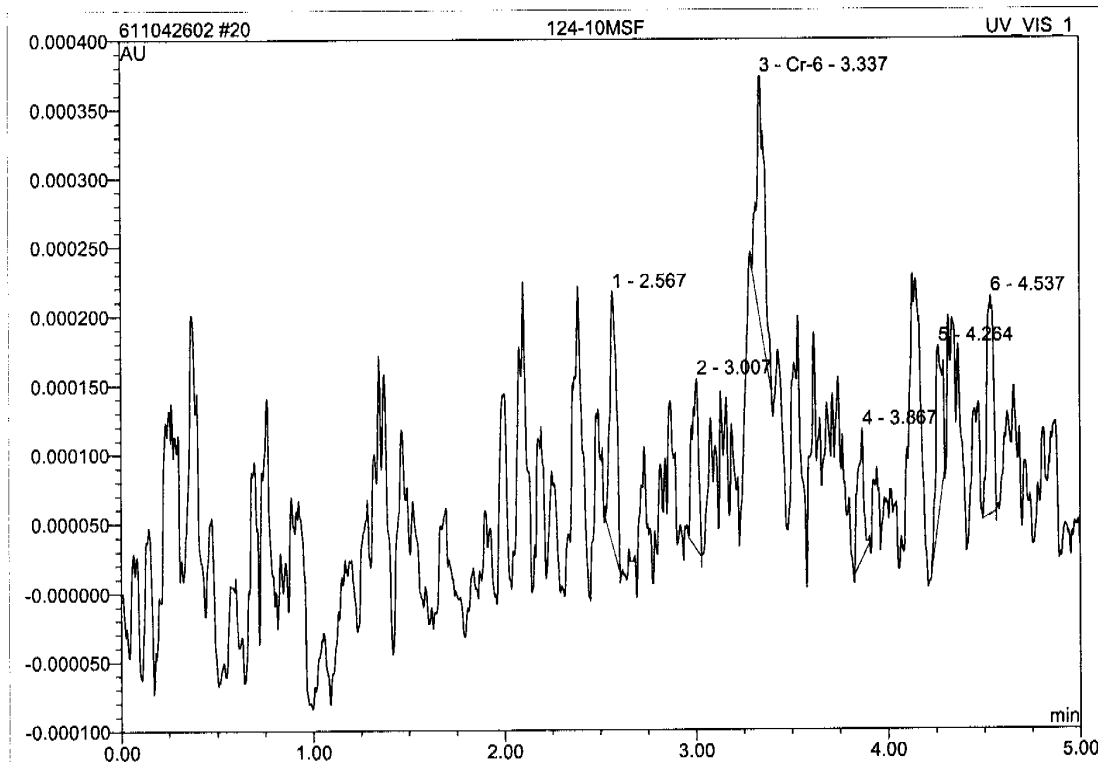


No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.74	n.a.	0.000	0.000	17.22	n.a.	BMB
2	2.91	n.a.	0.000	0.000	8.43	n.a.	BMB
3	3.12	n.a.	0.000	0.000	5.43	n.a.	BMB
4	3.19	n.a.	0.000	0.000	2.54	n.a.	BM *
5	3.35	Cr-6	0.000	0.000	25.85	0.0028	M *
6	3.47	n.a.	0.000	0.000	7.21	n.a.	MB*
7	4.00	n.a.	0.000	0.000	7.13	n.a.	BMB
8	4.40	n.a.	0.000	0.000	7.14	n.a.	BMB
9	4.71	n.a.	0.000	0.000	9.50	n.a.	BMB
10	4.88	n.a.	0.000	0.000	9.54	n.a.	BMB
<b>Total:</b>			0.001	0.000	100.00	0.003	

hexachrome/Integration

Chromleon (c) Dionex 1996-2001  
Version 6.80 SR10 Build 2818 (166959)

<b>20 124-10MSF</b>			
Sample Name:	124-10MSF	Injection Volume:	25.0
Vial Number:	20	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 17:32	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000

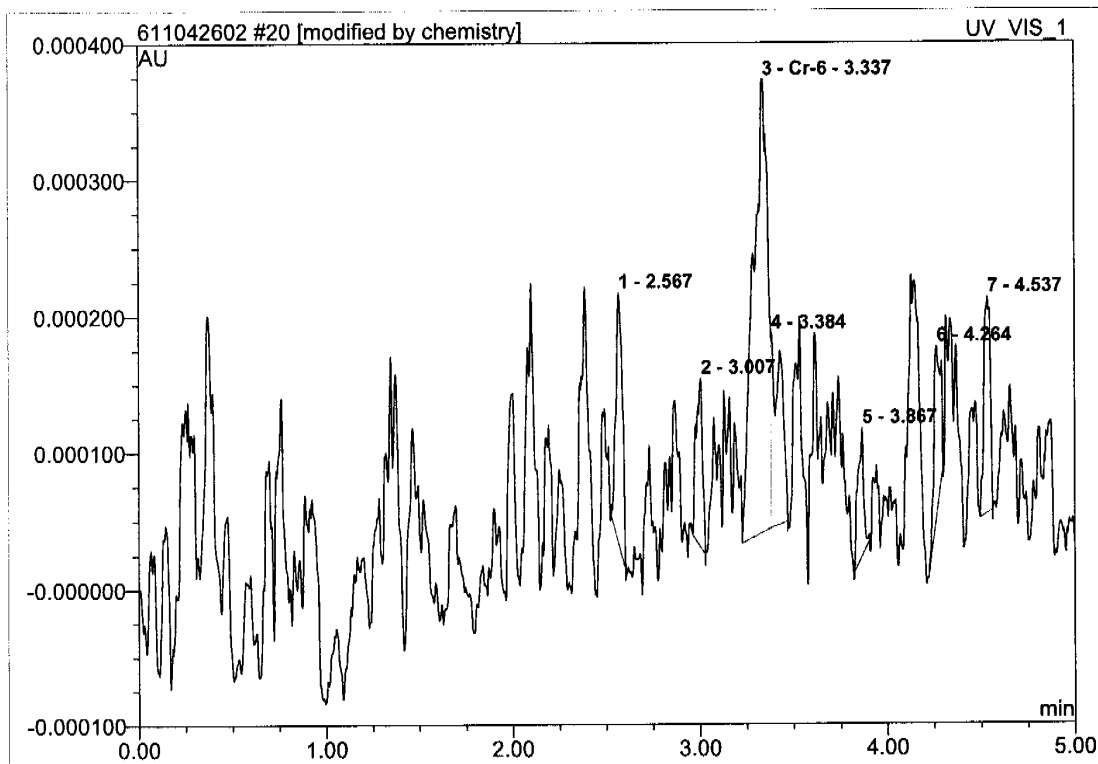


No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.57	n.a.	0.000	0.000	20.72	n.a.	BMB
2	3.01	n.a.	0.000	0.000	13.61	n.a.	BMB
3	3.34	Cr-6	0.000	0.000	24.34	0.0015	BMB
4	3.87	n.a.	0.000	0.000	9.53	n.a.	BMB
5	4.26	n.a.	0.000	0.000	13.87	n.a.	BMB
6	4.54	n.a.	0.000	0.000	17.92	n.a.	BMB
<b>Total:</b>			0.001	0.000	100.00	0.002	

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
Version 6.80 SR10 Build 2818 (166959)

<b>20 GP58488-S2</b>			
Sample Name:	GP58488-S2	Injection Volume:	25.0
Vial Number:	20	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 17:32	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



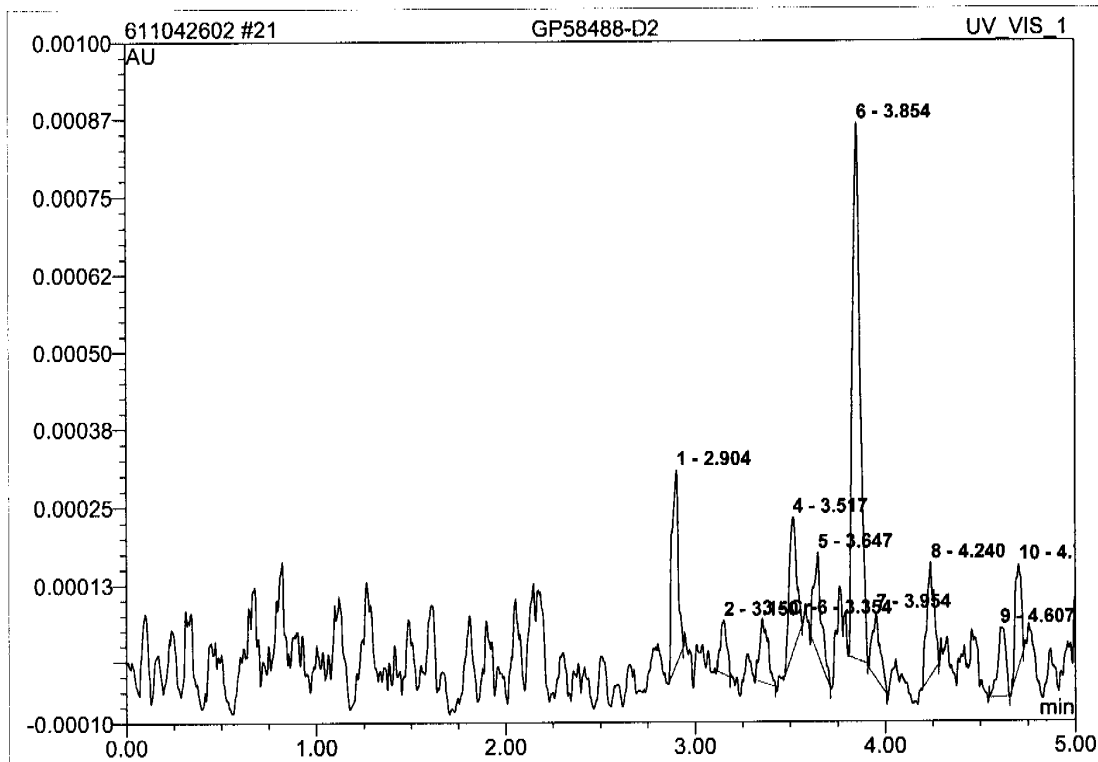
No.	Ret. Time min	Peak Name	Height AU	Area AU*min	Rel. Area %	Amount ppm	Type
1	2.57	n.a.	0.000	0.000	11.41	n.a.	BMB
2	3.01	n.a.	0.000	0.000	7.50	n.a.	BMB
3	3.34	Cr-6	0.000	0.000	45.20	0.0037	BM *
4	3.38	n.a.	0.000	0.000	13.13	n.a.	MB*
5	3.87	n.a.	0.000	0.000	5.25	n.a.	BMB
6	4.26	n.a.	0.000	0.000	7.64	n.a.	BMB
7	4.54	n.a.	0.000	0.000	9.87	n.a.	BMB
<b>Total:</b>			0.001	0.000	100.00	0.004	

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
Version 6.80 SR10 Build 2818 (166959)

8.1  
8

<b>21 GP58488-D2</b>			
Sample Name:	GP58488-D2	Injection Volume:	25.0
Vial Number:	21	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 17:40	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.90	n.a.	0.000	0.000	12.15	n.a.	BMB
2	3.15	n.a.	0.000	0.000	3.20	n.a.	BMB
3	3.35	Cr-6	0.000	0.000	5.05	0.0012	BMB
4	3.52	n.a.	0.000	0.000	9.71	n.a.	BMB
5	3.65	n.a.	0.000	0.000	7.04	n.a.	BMB
6	3.85	n.a.	0.001	0.000	38.78	n.a.	BMB
7	3.95	n.a.	0.000	0.000	4.77	n.a.	BMB
8	4.24	n.a.	0.000	0.000	7.94	n.a.	BMB
9	4.61	n.a.	0.000	0.000	5.21	n.a.	BMB
10	4.70	n.a.	0.000	0.000	6.14	n.a.	BMB
<b>Total:</b>			0.002	0.000	100.00	0.001	

hexachrome/Integration

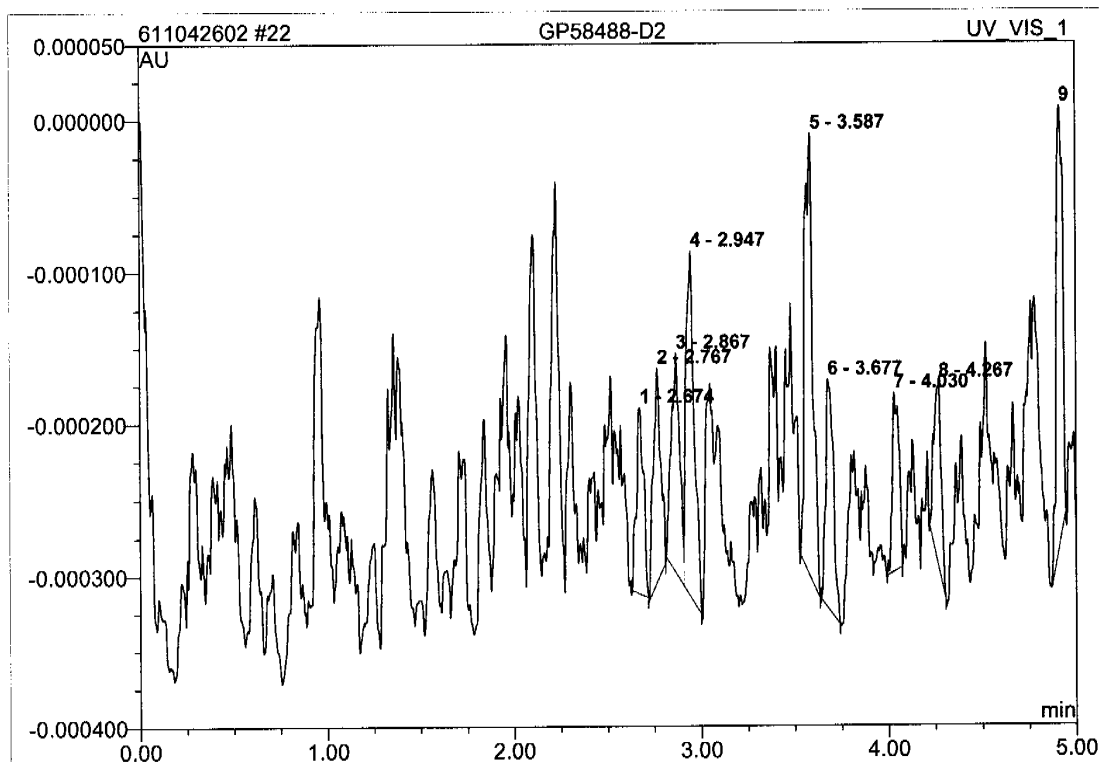
Chromeleon (c) Dionex 1996-2001  
Version 6.80 SR10 Build 2818 (166959)

8.1  
8



## 22 GP58488-D2

Sample Name:	GP58488-D2	Injection Volume:	25.0
Vial Number:	22	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 17:48	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



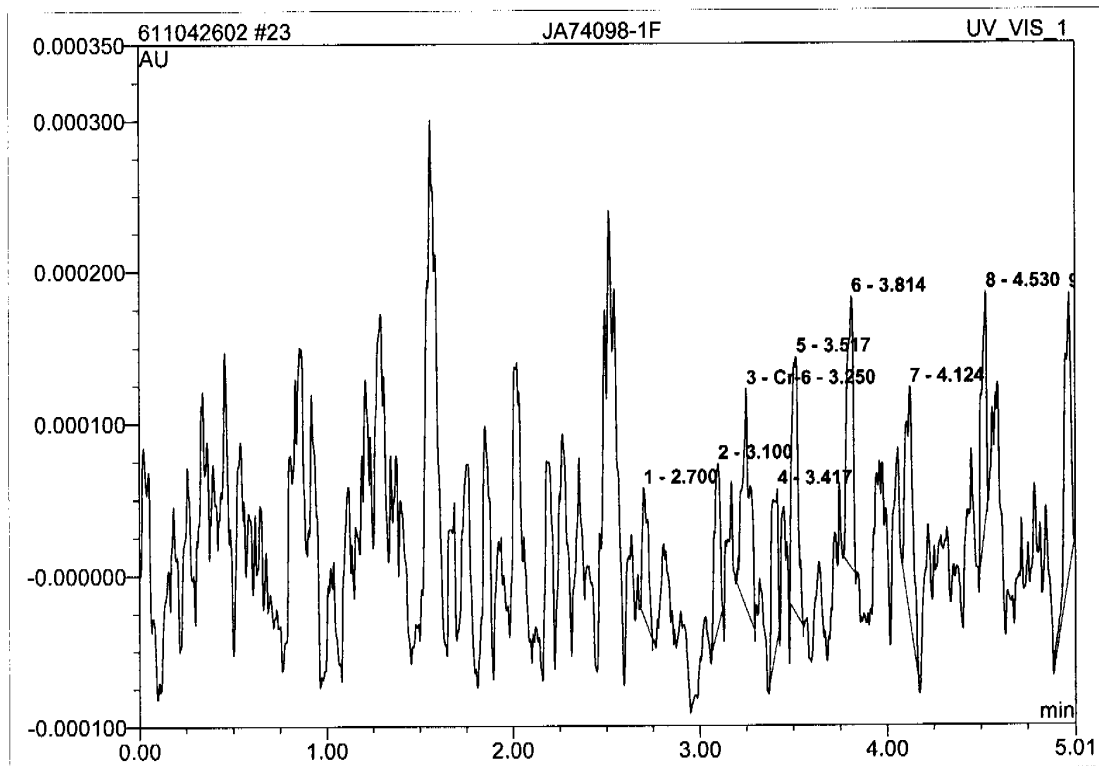
No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.67	n.a.	0.000	0.000	7.28	n.a.	BMB
2	2.77	n.a.	0.000	0.000	8.47	n.a.	BMB
3	2.87	n.a.	0.000	0.000	10.01	n.a.	BM
4	2.95	n.a.	0.000	0.000	15.49	n.a.	MB
5	3.59	n.a.	0.000	0.000	19.55	n.a.	BMB
6	3.68	n.a.	0.000	0.000	9.83	n.a.	BMB
7	4.03	n.a.	0.000	0.000	6.43	n.a.	BMB
8	4.27	n.a.	0.000	0.000	7.06	n.a.	BMB
9	4.91	n.a.	0.000	0.000	15.88	n.a.	BMB
<b>Total:</b>			0.002	0.000	100.00	0.000	

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
Version 6.80 SR10 Build 2818 (166959)

### 23 JA74098-1F

Sample Name:	JA74098-1F	Injection Volume:	25.0
Vial Number:	23	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 17:56	Sample Weight:	1.0000
Run Time (min):	5.01	Sample Amount:	1.0000



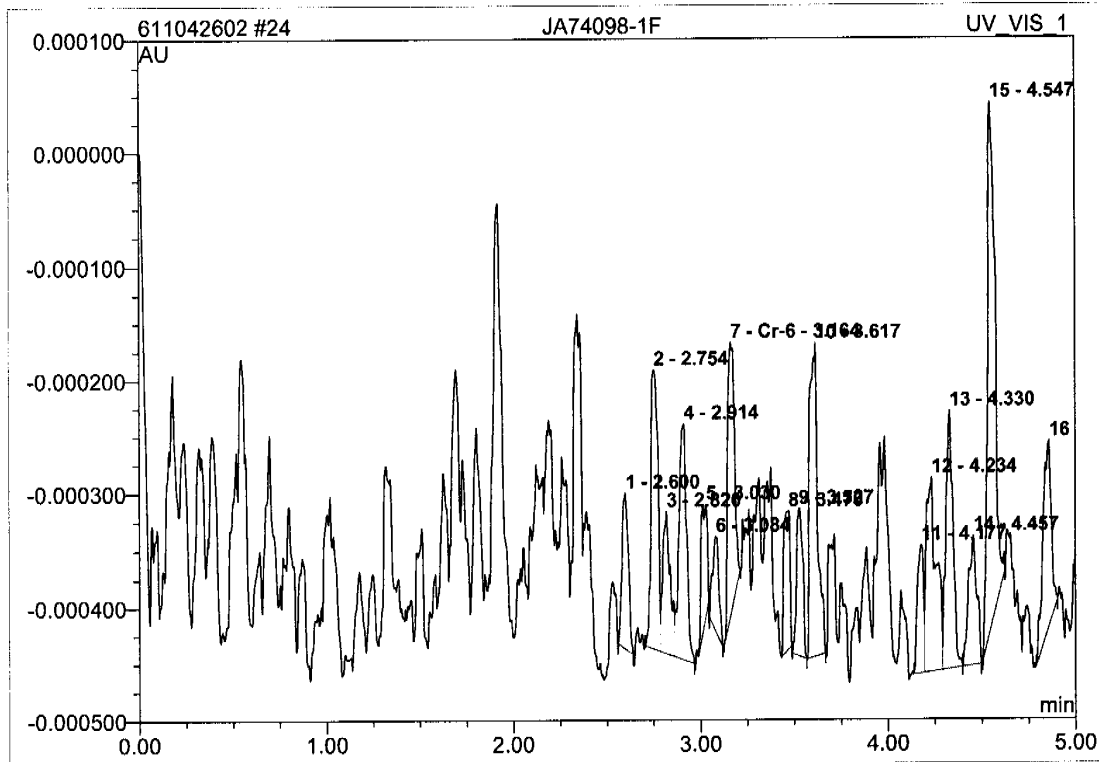
No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.70	n.a.	0.000	0.000	6.29	n.a.	BMB
2	3.10	n.a.	0.000	0.000	7.70	n.a.	BMB
3	3.25	Cr-6	0.000	0.000	13.35	0.0013	BMB
4	3.42	n.a.	0.000	0.000	8.47	n.a.	BMB
5	3.52	n.a.	0.000	0.000	12.81	n.a.	BMB
6	3.81	n.a.	0.000	0.000	13.09	n.a.	BMB
7	4.12	n.a.	0.000	0.000	13.68	n.a.	BMB
8	4.53	n.a.	0.000	0.000	9.79	n.a.	BMB
9	4.98	n.a.	0.000	0.000	14.82	n.a.	BMB
<b>Total:</b>			0.001	0.000	100.00	0.001	

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
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**24 JA74098-1F**

Sample Name:	JA74098-1F	Injection Volume:	25.0
Vial Number:	24	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 18:04	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.60	n.a.	0.000	0.000	4.14	n.a.	BMB
2	2.75	n.a.	0.000	0.000	7.86	n.a.	BM
3	2.82	n.a.	0.000	0.000	4.36	n.a.	M
4	2.91	n.a.	0.000	0.000	7.42	n.a.	MB
5	3.03	n.a.	0.000	0.000	3.07	n.a.	BMB
6	3.08	n.a.	0.000	0.000	2.39	n.a.	BMB
7	3.16	Cr-6	0.000	0.000	7.52	0.0017	BMB
8	3.47	n.a.	0.000	0.000	3.72	n.a.	BMB
9	3.53	n.a.	0.000	0.000	3.74	n.a.	BMB
10	3.62	n.a.	0.000	0.000	9.89	n.a.	BMB
11	4.18	n.a.	0.000	0.000	3.21	n.a.	BM

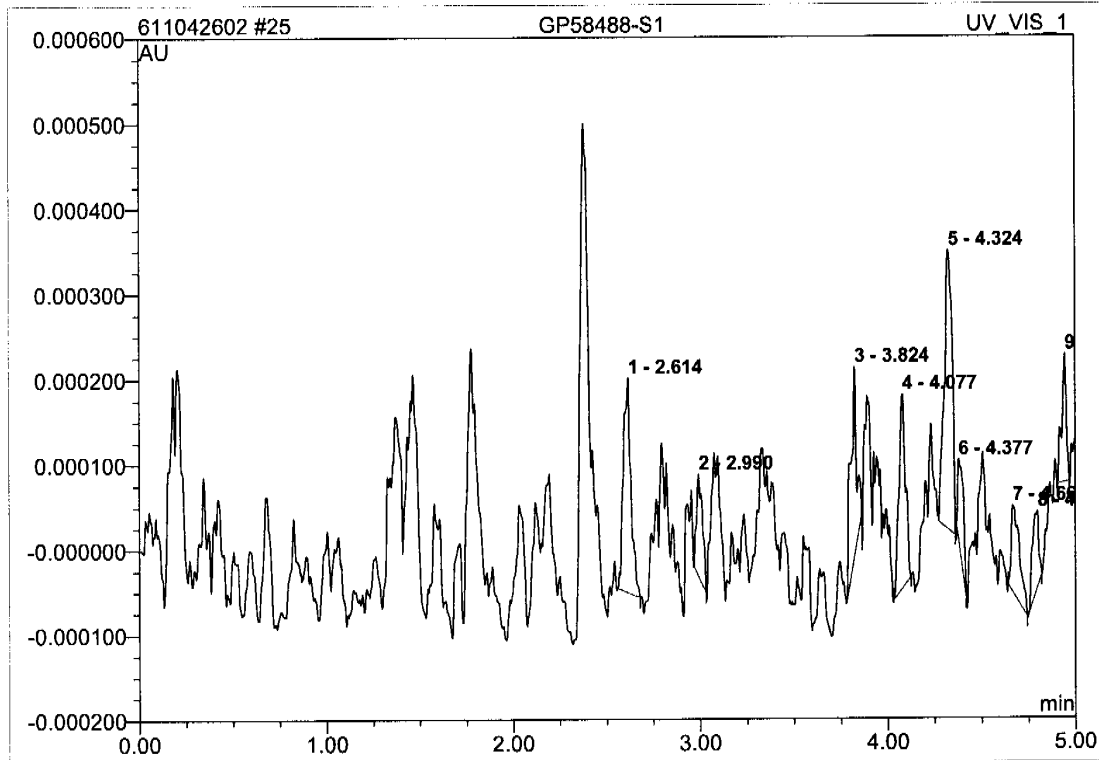
hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
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12	4.23	n.a.	0.000	0.000	8.17	n.a.	M
13	4.33	n.a.	0.000	0.000	7.69	n.a.	M
14	4.46	n.a.	0.000	0.000	4.42	n.a.	MB
15	4.55	n.a.	0.000	0.000	15.90	n.a.	BMB
16	4.86	n.a.	0.000	0.000	6.49	n.a.	BMB
<b>Total:</b>			0.003	0.000	100.00	0.002	

**25 GP58488-S1**

Sample Name:	GP58488-S1	Injection Volume:	25.0
Vial Number:	3	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 18:12	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



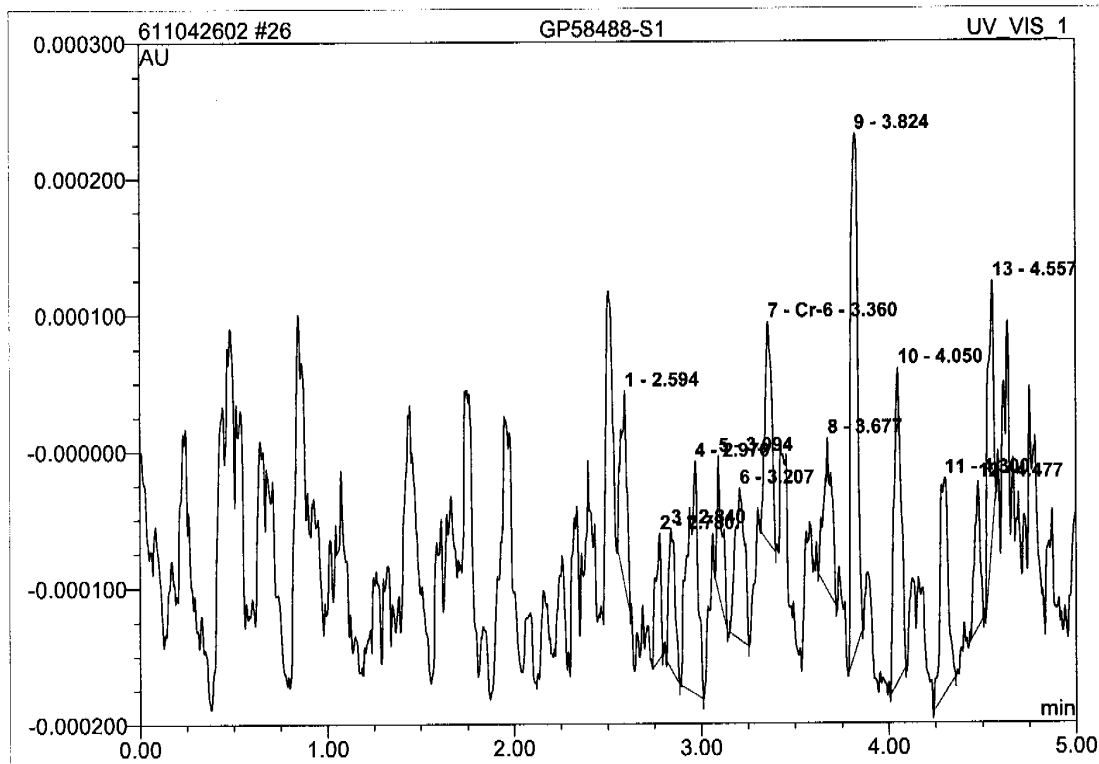
No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.61	n.a.	0.000	0.000	17.77	n.a.	BMB
2	2.99	n.a.	0.000	0.000	6.55	n.a.	BMB
3	3.82	n.a.	0.000	0.000	12.12	n.a.	BMB
4	4.08	n.a.	0.000	0.000	14.05	n.a.	BMB
5	4.32	n.a.	0.000	0.000	23.96	n.a.	BMB
6	4.38	n.a.	0.000	0.000	5.79	n.a.	BMB
7	4.67	n.a.	0.000	0.000	7.82	n.a.	BMB
8	4.80	n.a.	0.000	0.000	5.48	n.a.	BMB
9	4.95	n.a.	0.000	0.000	6.46	n.a.	BMB
<b>Total:</b>			0.002	0.000	100.00	0.000	

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
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## 26 GP58488-S1

Sample Name:	GP58488-S1	Injection Volume:	25.0
Vial Number:	4	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 18:20	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.59	n.a.	0.000	0.000	6.08	n.a.	BMB
2	2.78	n.a.	0.000	0.000	3.38	n.a.	BMB
3	2.84	n.a.	0.000	0.000	4.54	n.a.	BMB
4	2.97	n.a.	0.000	0.000	12.08	n.a.	BMB
5	3.09	n.a.	0.000	0.000	3.43	n.a.	BMB
6	3.21	n.a.	0.000	0.000	7.03	n.a.	BMB
7	3.36	Cr-6	0.000	0.000	7.65	0.0013	BMB
8	3.68	n.a.	0.000	0.000	6.33	n.a.	BMB
9	3.82	n.a.	0.000	0.000	17.51	n.a.	BMB
10	4.05	n.a.	0.000	0.000	10.97	n.a.	BMB
11	4.30	n.a.	0.000	0.000	9.24	n.a.	BMB

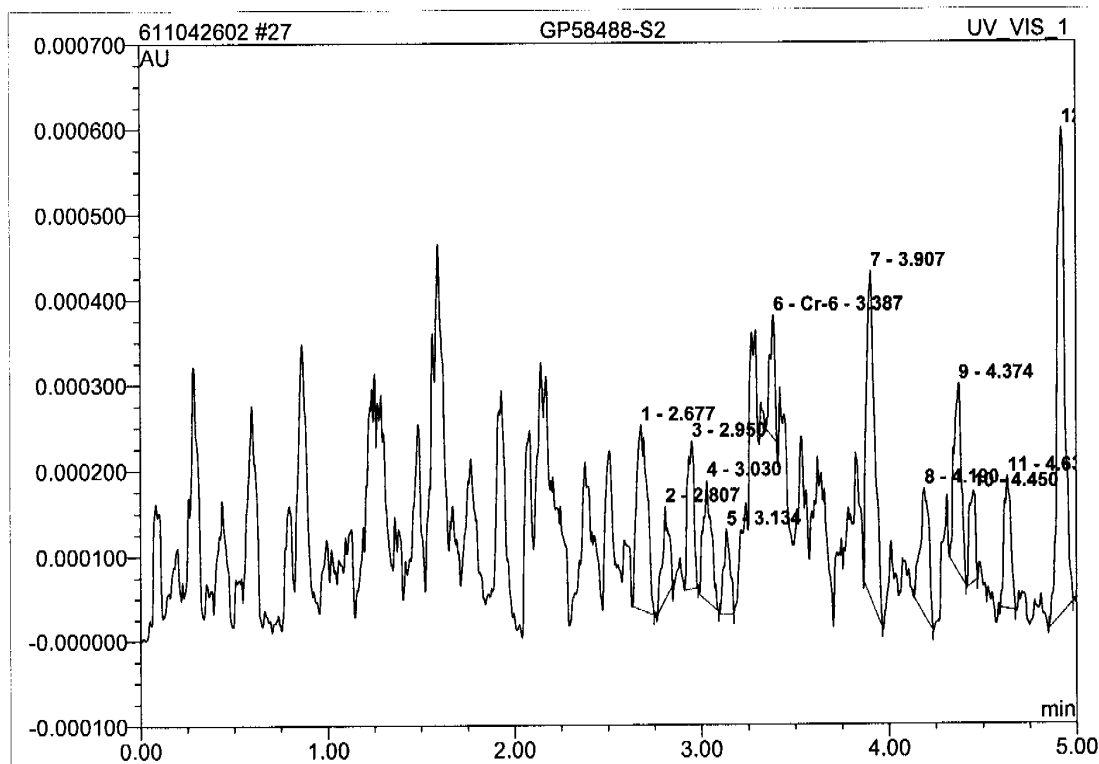
hexachrome/Integration

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12	4.48	n.a.	0.000	0.000	4.00	n.a.	BMB
13	4.56	n.a.	0.000	0.000	7.76	n.a.	BMB
<b>Total:</b>			<b>0.002</b>	<b>0.000</b>	<b>100.00</b>	<b>0.001</b>	

## 27 GP58488-S2

Sample Name:	GP58488-S2	Injection Volume:	25.0
Vial Number:	5	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 18:28	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.68	n.a.	0.000	0.000	12.11	n.a.	BMB
2	2.81	n.a.	0.000	0.000	3.83	n.a.	BMB
3	2.95	n.a.	0.000	0.000	5.81	n.a.	BMB
4	3.03	n.a.	0.000	0.000	6.20	n.a.	BMB
5	3.13	n.a.	0.000	0.000	3.37	n.a.	BMB
6	3.39	Cr-6	0.000	0.000	3.77	0.0011	BMB
7	3.91	n.a.	0.000	0.000	16.62	n.a.	BMB
8	4.19	n.a.	0.000	0.000	7.11	n.a.	BMB
9	4.37	n.a.	0.000	0.000	8.26	n.a.	BMB
10	4.45	n.a.	0.000	0.000	3.48	n.a.	BMB
11	4.63	n.a.	0.000	0.000	5.61	n.a.	BMB

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12	4.92	n.a.	0.001	0.000	23.84	n.a.	BMB
<b>Total:</b>			0.002	0.000	100.00	0.001	

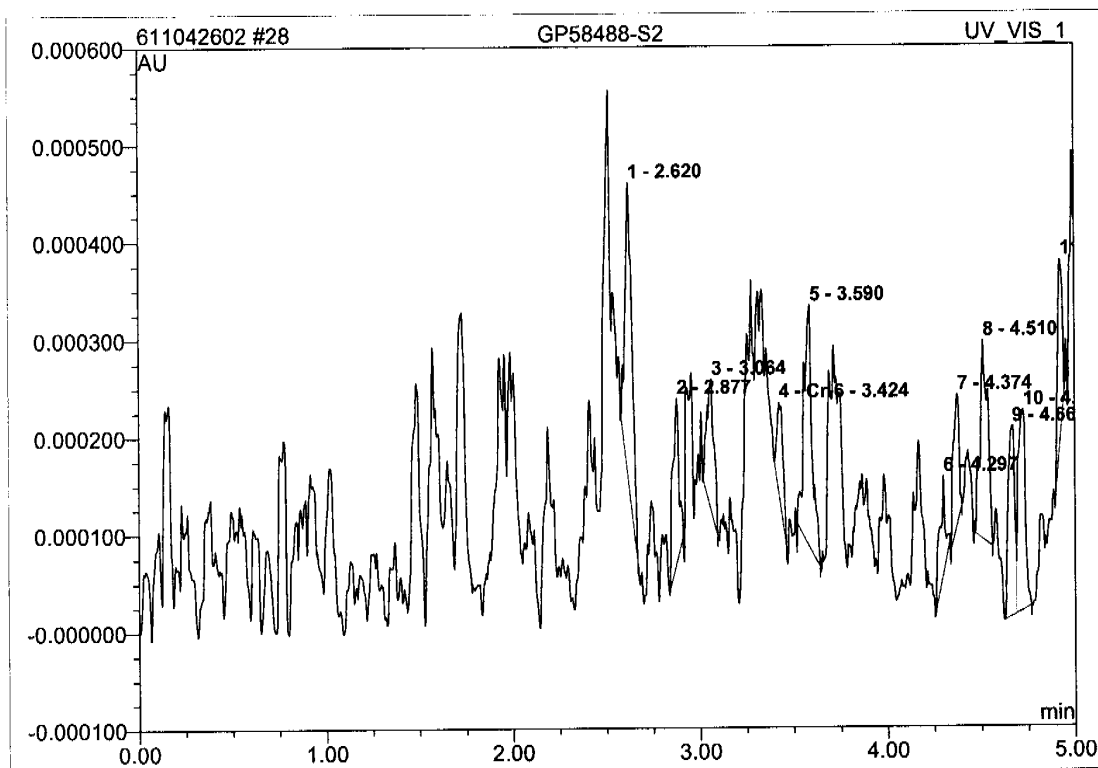
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hexachrome/Integration

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## 28 GP58488-S2

Sample Name:	GP58488-S2	Injection Volume:	25.0
Vial Number:	6	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 18:36	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.62	n.a.	0.000	0.000	16.18	n.a.	BMB
2	2.88	n.a.	0.000	0.000	7.81	n.a.	BMB
3	3.06	n.a.	0.000	0.000	7.06	n.a.	BMB
4	3.42	Cr-6	0.000	0.000	4.44	0.0010	BMB
5	3.59	n.a.	0.000	0.000	14.88	n.a.	BMB
6	4.30	n.a.	0.000	0.000	4.29	n.a.	BMB
7	4.37	n.a.	0.000	0.000	5.70	n.a.	BMB
8	4.51	n.a.	0.000	0.000	11.93	n.a.	BMB
9	4.67	n.a.	0.000	0.000	9.62	n.a.	BM
10	4.72	n.a.	0.000	0.000	11.15	n.a.	MB
11	4.92	n.a.	0.000	0.000	6.94	n.a.	BMB

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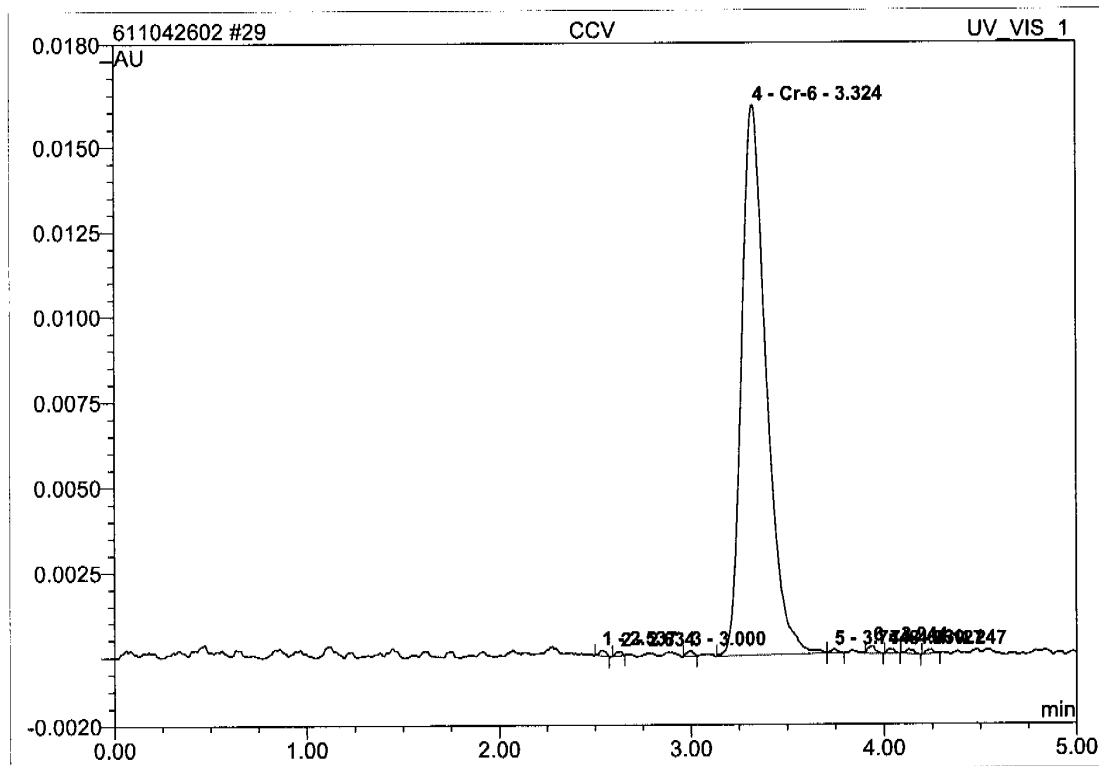
Total:	0.002	0.000	100.00	0.001
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hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
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<b>29 CCV</b>			
Sample Name:	CCV	Injection Volume:	25.0
Vial Number:	25	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 18:44	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000

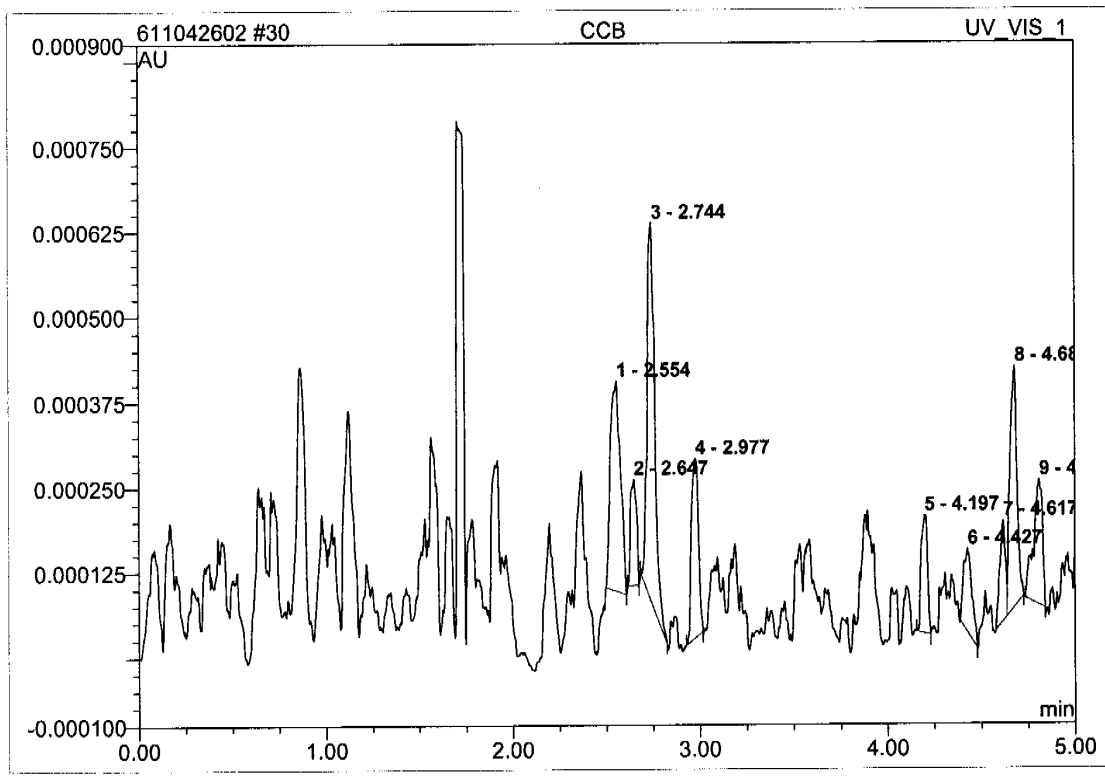


No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.54	n.a.	0.000	0.000	0.27	n.a.	BMB
2	2.63	n.a.	0.000	0.000	0.20	n.a.	BMB
3	3.00	n.a.	0.000	0.000	0.27	n.a.	BMB
4	3.32	Cr-6	0.016	0.002	97.94	0.2553	BM
5	3.74	n.a.	0.000	0.000	0.19	n.a.	MB
6	3.94	n.a.	0.000	0.000	0.40	n.a.	BMB
7	4.03	n.a.	0.000	0.000	0.22	n.a.	BMB
8	4.13	n.a.	0.000	0.000	0.25	n.a.	BMB
9	4.25	n.a.	0.000	0.000	0.24	n.a.	BMB
<b>Total:</b>			0.017	0.002	100.00	0.255	

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Version 6.80 SR10 Build 2818 (166959)

<b>30 CCB</b>			
Sample Name:	CCB	Injection Volume:	25.0
Vial Number:	26	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 18:52	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.55	n.a.	0.000	0.000	17.81	n.a.	BMB
2	2.65	n.a.	0.000	0.000	5.36	n.a.	BMB
3	2.74	n.a.	0.001	0.000	24.95	n.a.	BMB
4	2.98	n.a.	0.000	0.000	10.53	n.a.	BMB
5	4.20	n.a.	0.000	0.000	6.66	n.a.	BMB
6	4.43	n.a.	0.000	0.000	6.02	n.a.	BMB
7	4.62	n.a.	0.000	0.000	4.86	n.a.	BM
8	4.68	n.a.	0.000	0.000	14.31	n.a.	MB
9	4.81	n.a.	0.000	0.000	9.48	n.a.	BMB
<b>Total:</b>			0.002	0.000	100.00	0.000	

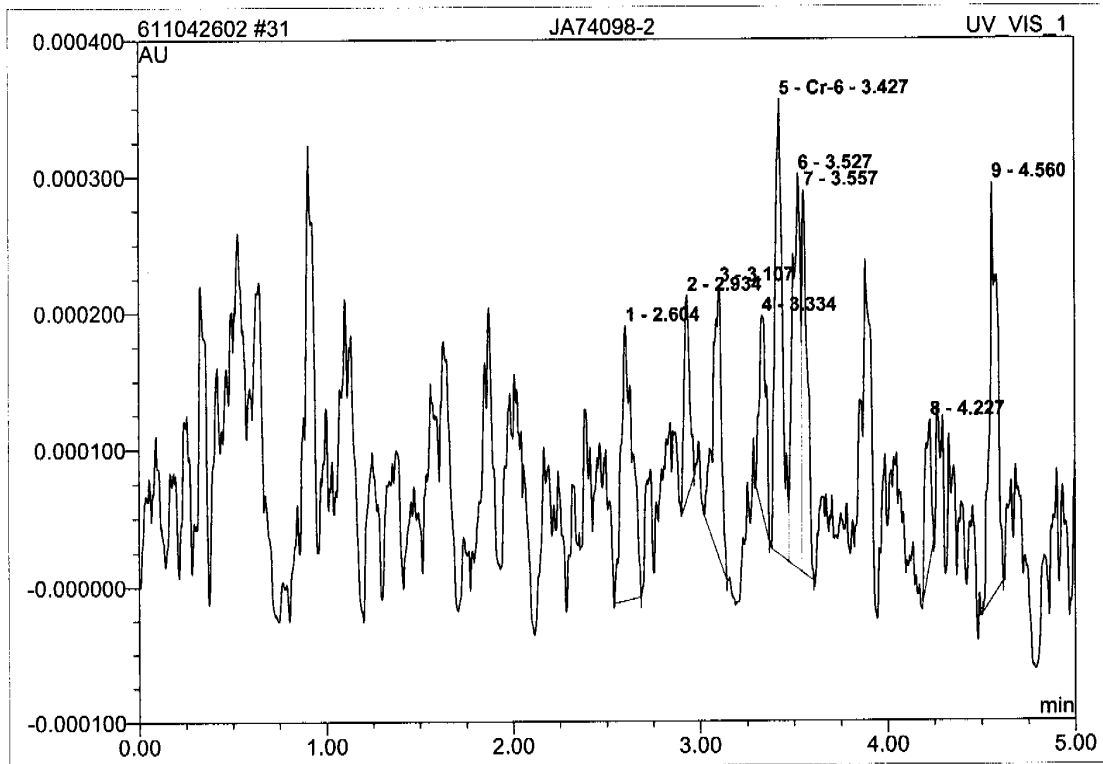
hexachrome/Integration

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Version 6.80 SR10 Build 2818 (166959)

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### 31 JA74098-2

Sample Name:	JA74098-2	Injection Volume:	25.0
Vial Number:	27	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 19:00	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



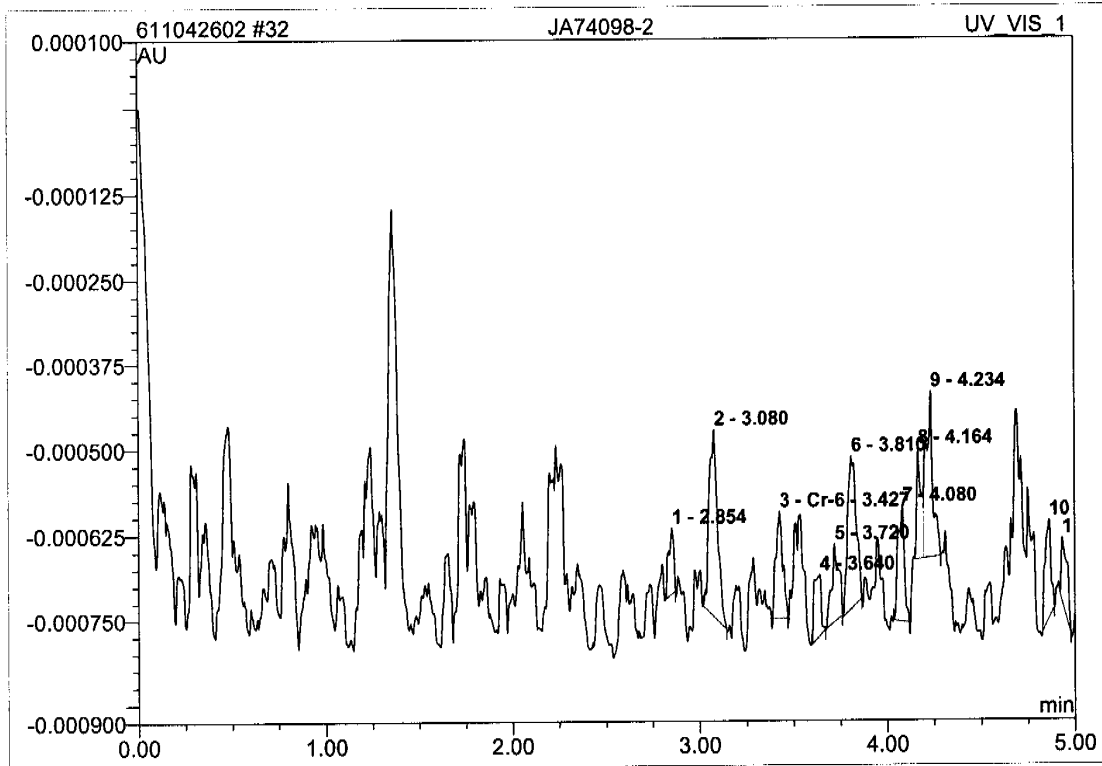
No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.60	n.a.	0.000	0.000	15.27	n.a.	BMB
2	2.93	n.a.	0.000	0.000	5.72	n.a.	BMB
3	3.11	n.a.	0.000	0.000	11.18	n.a.	BMB
4	3.33	n.a.	0.000	0.000	6.96	n.a.	BMB
5	3.43	Cr-6	0.000	0.000	16.19	0.0022	BM
6	3.53	n.a.	0.000	0.000	14.56	n.a.	M
7	3.56	n.a.	0.000	0.000	10.13	n.a.	MB
8	4.23	n.a.	0.000	0.000	4.56	n.a.	BMB
9	4.56	n.a.	0.000	0.000	15.44	n.a.	BMB
<b>Total:</b>			0.002	0.000	100.00	0.002	

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Chromeleon (c) Dionex 1996-2001  
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**32 JA74098-2**

Sample Name:	JA74098-2	Injection Volume:	25.0
Vial Number:	28	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 19:08	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.85	n.a.	0.000	0.000	4.13	n.a.	BMB
2	3.08	n.a.	0.000	0.000	18.49	n.a.	BMB
3	3.43	Cr-6	0.000	0.000	8.78	0.0013	BMB
4	3.64	n.a.	0.000	0.000	5.37	n.a.	BMB
5	3.72	n.a.	0.000	0.000	6.60	n.a.	BMB
6	3.81	n.a.	0.000	0.000	15.60	n.a.	BMB
7	4.08	n.a.	0.000	0.000	9.01	n.a.	BMB
8	4.16	n.a.	0.000	0.000	5.77	n.a.	BM
9	4.23	n.a.	0.000	0.000	13.87	n.a.	MB
10	4.86	n.a.	0.000	0.000	7.27	n.a.	BMB
11	4.93	n.a.	0.000	0.000	5.11	n.a.	BMB

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Version 6.80 SR10 Build 2818 (166959)

Total:	0.002	0.000	100.00	0.001
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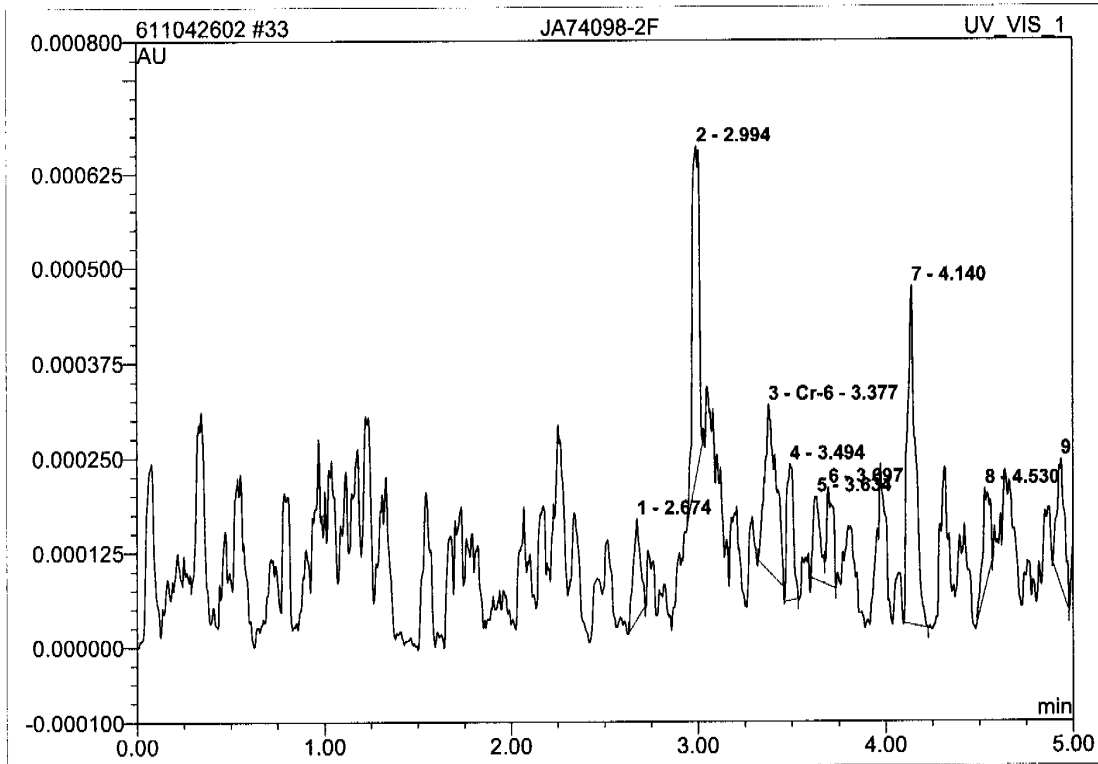
hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
Version 6.80 SR10 Build 2818 (166959)



### 33 JA74098-2F

Sample Name:	JA74098-2F	Injection Volume:	25.0
Vial Number:	29	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 19:16	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000

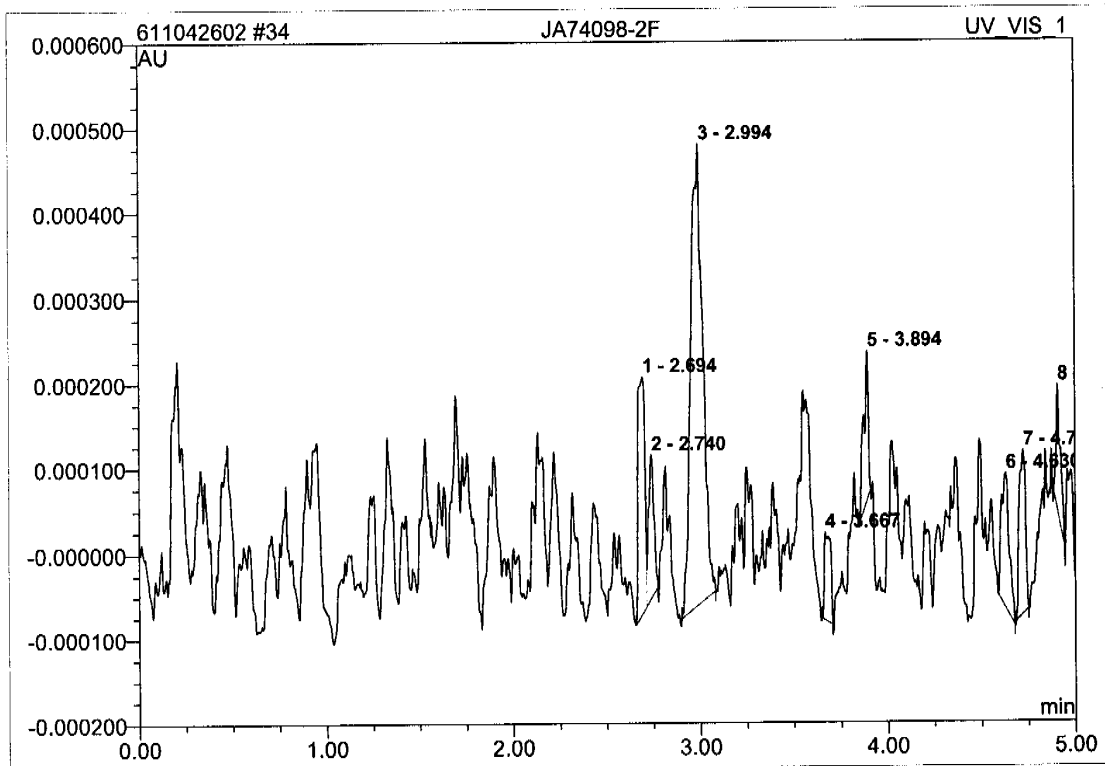


No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.67	n.a.	0.000	0.000	6.18	n.a.	BMB
2	2.99	n.a.	0.000	0.000	20.18	n.a.	BMB
3	3.38	Cr-6	0.000	0.000	16.77	0.0023	BMB
4	3.49	n.a.	0.000	0.000	7.91	n.a.	BMB
5	3.63	n.a.	0.000	0.000	5.01	n.a.	BM
6	3.70	n.a.	0.000	0.000	5.32	n.a.	MB
7	4.14	n.a.	0.000	0.000	23.47	n.a.	BMB
8	4.53	n.a.	0.000	0.000	6.32	n.a.	BMB
9	4.94	n.a.	0.000	0.000	8.83	n.a.	BMB
<b>Total:</b>			0.002	0.000	100.00	0.002	

hexachrome/Integration

Chromleon (c) Dionex 1996-2001  
Version 6.80 SR10 Build 2818 (166959)

<b>34 JA74098-2F</b>			
Sample Name:	JA74098-2F	Injection Volume:	25.0
Vial Number:	30	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 19:23	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000

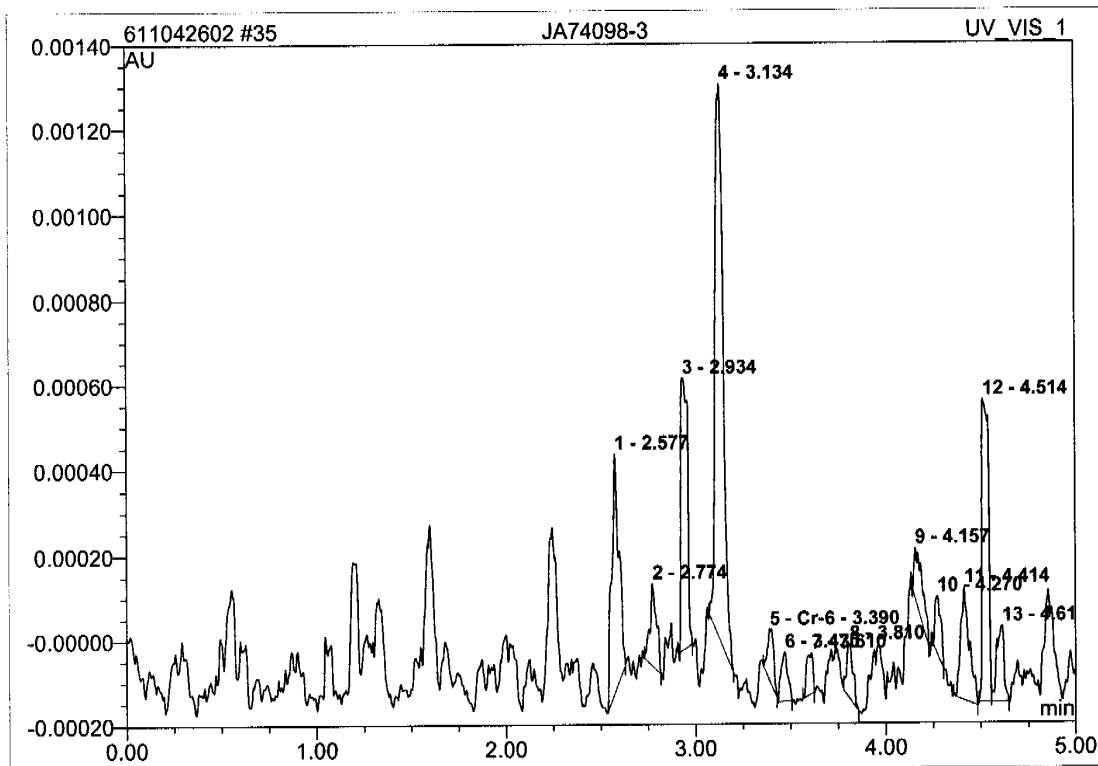


No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.69	n.a.	0.000	0.000	13.70	n.a.	BM
2	2.74	n.a.	0.000	0.000	6.62	n.a.	MB
3	2.99	n.a.	0.001	0.000	46.52	n.a.	BMB
4	3.67	n.a.	0.000	0.000	4.80	n.a.	BMB
5	3.89	n.a.	0.000	0.000	6.13	n.a.	BMB
6	4.63	n.a.	0.000	0.000	8.80	n.a.	BMB
7	4.72	n.a.	0.000	0.000	8.69	n.a.	BMB
8	4.91	n.a.	0.000	0.000	4.74	n.a.	BMB
<b>Total:</b>			0.002	0.000	100.00	0.000	

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
Version 6.80 SR10 Build 2818 (166959)

<b>35 JA74098-3</b>			
Sample Name:	JA74098-3	Injection Volume:	25.0
Vial Number:	31	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 19:31	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.58	n.a.	0.001	0.000	12.25	n.a.	BMB
2	2.77	n.a.	0.000	0.000	3.90	n.a.	BMB
3	2.93	n.a.	0.001	0.000	12.80	n.a.	BMB
4	3.13	n.a.	0.001	0.000	31.10	n.a.	BMB
5	3.39	Cr-6	0.000	0.000	2.34	0.0011	BMB
6	3.47	n.a.	0.000	0.000	2.40	n.a.	BMB
7	3.61	n.a.	0.000	0.000	1.81	n.a.	BMB
8	3.81	n.a.	0.000	0.000	2.40	n.a.	BMB
9	4.16	n.a.	0.000	0.000	3.53	n.a.	BMB
10	4.27	n.a.	0.000	0.000	2.34	n.a.	BMB
11	4.41	n.a.	0.000	0.000	6.90	n.a.	BMB

hexachrome/Integration

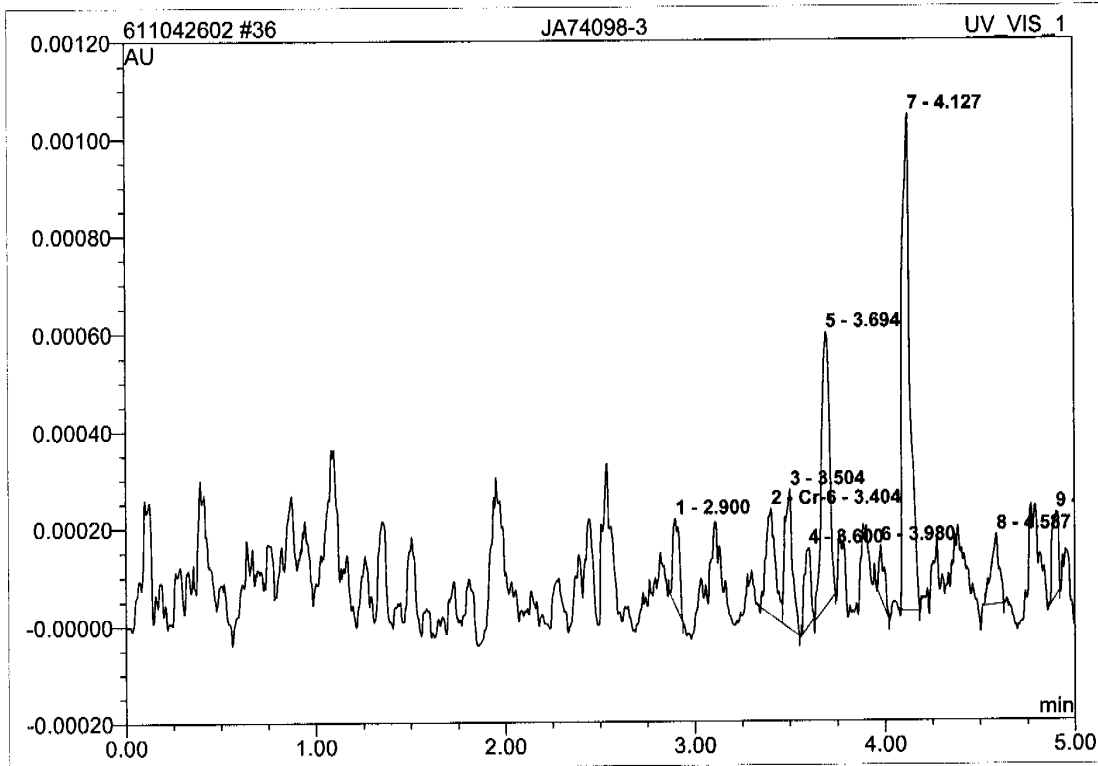
Chromeleon (c) Dionex 1996-2001  
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12	4.51	n.a.	0.001	0.000	14.36	n.a.	BM
13	4.61	n.a.	0.000	0.000	3.87	n.a.	MB
<b>Total:</b>			0.005	0.000	100.00	0.001	

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
Version 6.80 SR10 Build 2818 (166959)

<b>36 JA74098-3</b>			
Sample Name:	JA74098-3	Injection Volume:	25.0
Vial Number:	32	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 19:39	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



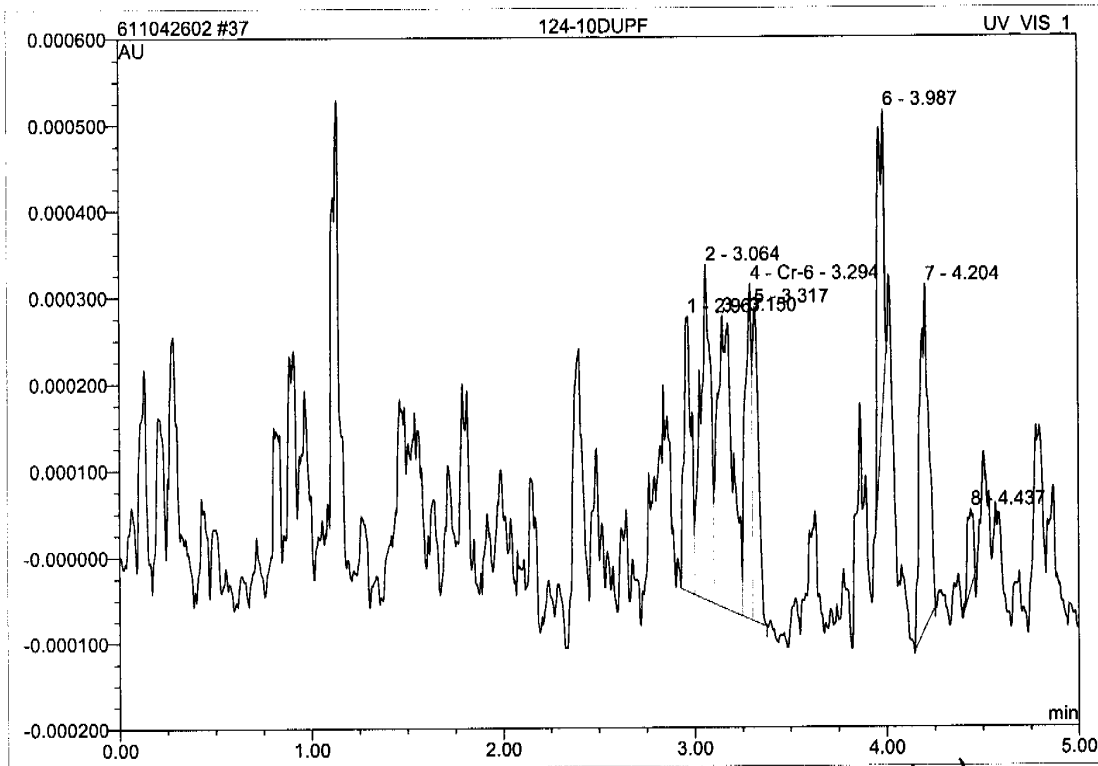
No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.90	n.a.	0.000	0.000	5.40	n.a.	BMB
2	3.40	Cr-6	0.000	0.000	9.28	0.0019	BM
3	3.50	n.a.	0.000	0.000	10.02	n.a.	MB
4	3.60	n.a.	0.000	0.000	4.66	n.a.	BMB
5	3.69	n.a.	0.001	0.000	21.18	n.a.	BMB
6	3.98	n.a.	0.000	0.000	2.66	n.a.	BMB
7	4.13	n.a.	0.001	0.000	36.48	n.a.	BMB
8	4.59	n.a.	0.000	0.000	5.39	n.a.	BMB
9	4.90	n.a.	0.000	0.000	4.93	n.a.	BMB
<b>Total:</b>			0.003	0.000	100.00	0.002	

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
Version 6.80 SR10 Build 2818 (166959)

8.1  
8

<b>37 124-10DUPF</b>			
Sample Name:	124-10DUPF	Injection Volume:	25.0
Vial Number:	33	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 19:47	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



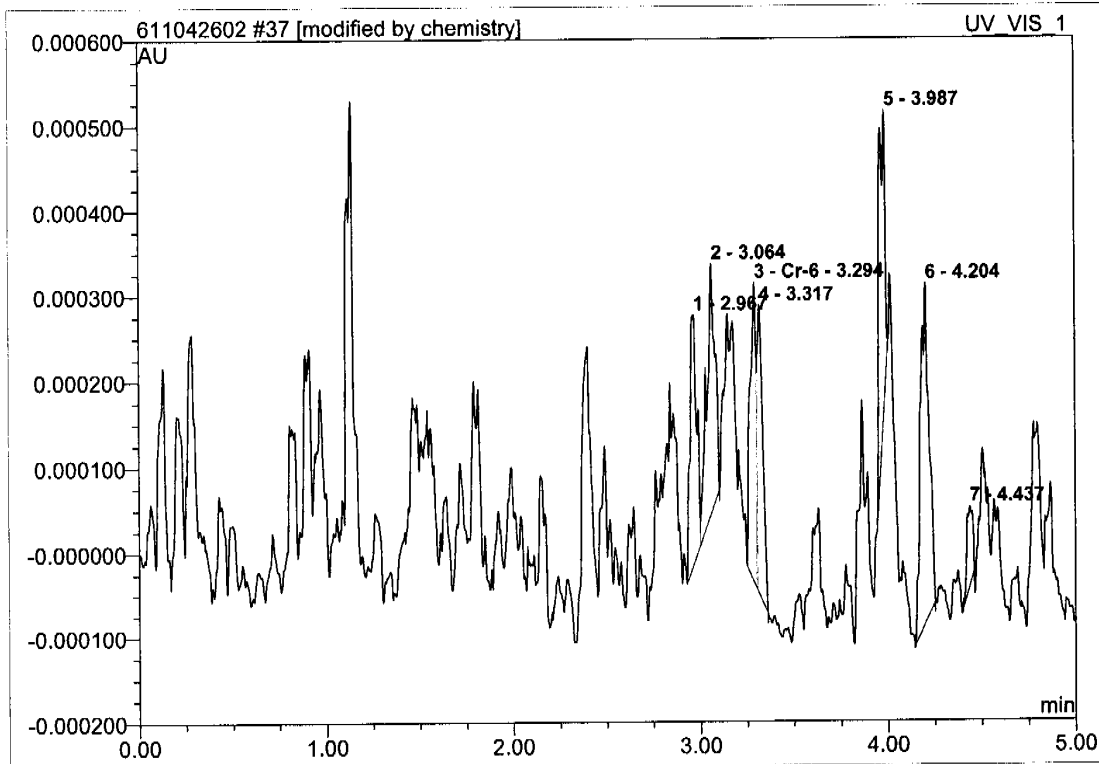
No.	Ret. Time min	Peak Name	Height AU	Area AU*min	Rel. Area %	Amount ppm	Type
1	2.97	n.a.	0.000	0.000	10.24	n.a.	BM
2	3.06	n.a.	0.000	0.000	17.75	n.a.	M
3	3.15	n.a.	0.000	0.000	22.86	n.a.	M
4	3.29	Cr-6	0.000	0.000	10.76	0.0022	M
5	3.32	n.a.	0.000	0.000	9.25	n.a.	MB
6	3.99	n.a.	0.000	0.000	10.41	n.a.	BMB
7	4.20	n.a.	0.000	0.000	16.19	n.a.	BMB
8	4.44	n.a.	0.000	0.000	2.55	n.a.	BMB
<b>Total:</b>			0.003	0.000	100.00	0.002	

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
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### 37 JA74098-3F

Sample Name:	JA74098-3F	Injection Volume:	25.0
Vial Number:	33	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 19:47	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



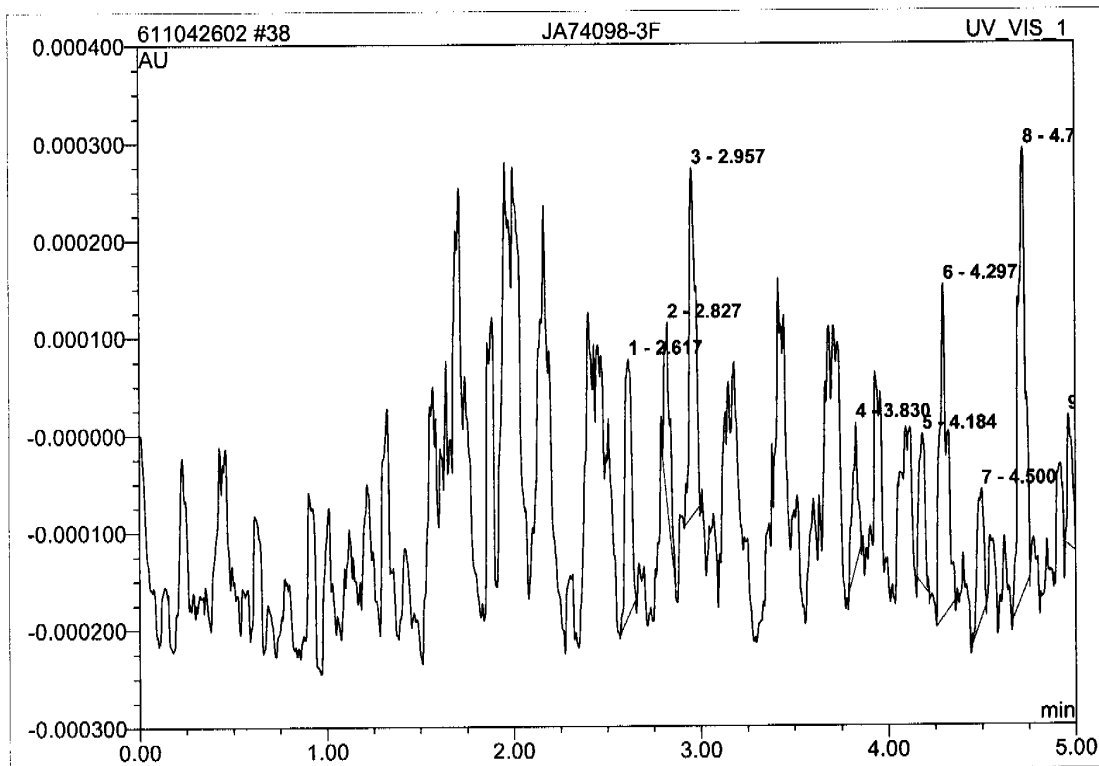
No.	Ret. Time min	Peak Name	Height AU	Area AU*min	Rel. Area %	Amount ppm	Type
1	2.97	n.a.	0.000	0.000	13.41	n.a.	BM *
2	3.06	n.a.	0.000	0.000	16.52	n.a.	MB*
3	3.29	Cr-6	0.000	0.000	13.68	0.0019	BM *
4	3.32	n.a.	0.000	0.000	12.60	n.a.	MB*
5	3.99	n.a.	0.000	0.000	15.64	n.a.	BMB
6	4.20	n.a.	0.000	0.000	24.32	n.a.	BMB
7	4.44	n.a.	0.000	0.000	3.82	n.a.	BMB
<b>Total:</b>			0.002	0.000	100.00	0.002	

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
Version 6.80 SR10 Build 2818 (166959)

### 38 JA74098-3F

Sample Name:	JA74098-3F	Injection Volume:	25.0
Vial Number:	34	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 19:55	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.62	n.a.	0.000	0.000	12.64	n.a.	BMB
2	2.83	n.a.	0.000	0.000	7.26	n.a.	BMB
3	2.96	n.a.	0.000	0.000	15.41	n.a.	BMB
4	3.83	n.a.	0.000	0.000	5.43	n.a.	BMB
5	4.18	n.a.	0.000	0.000	6.58	n.a.	BMB
6	4.30	n.a.	0.000	0.000	17.82	n.a.	BMB
7	4.50	n.a.	0.000	0.000	6.22	n.a.	BMB
8	4.72	n.a.	0.000	0.000	23.84	n.a.	BMB
9	4.96	n.a.	0.000	0.000	4.80	n.a.	BMB
<b>Total:</b>			0.002	0.000	100.00	0.000	

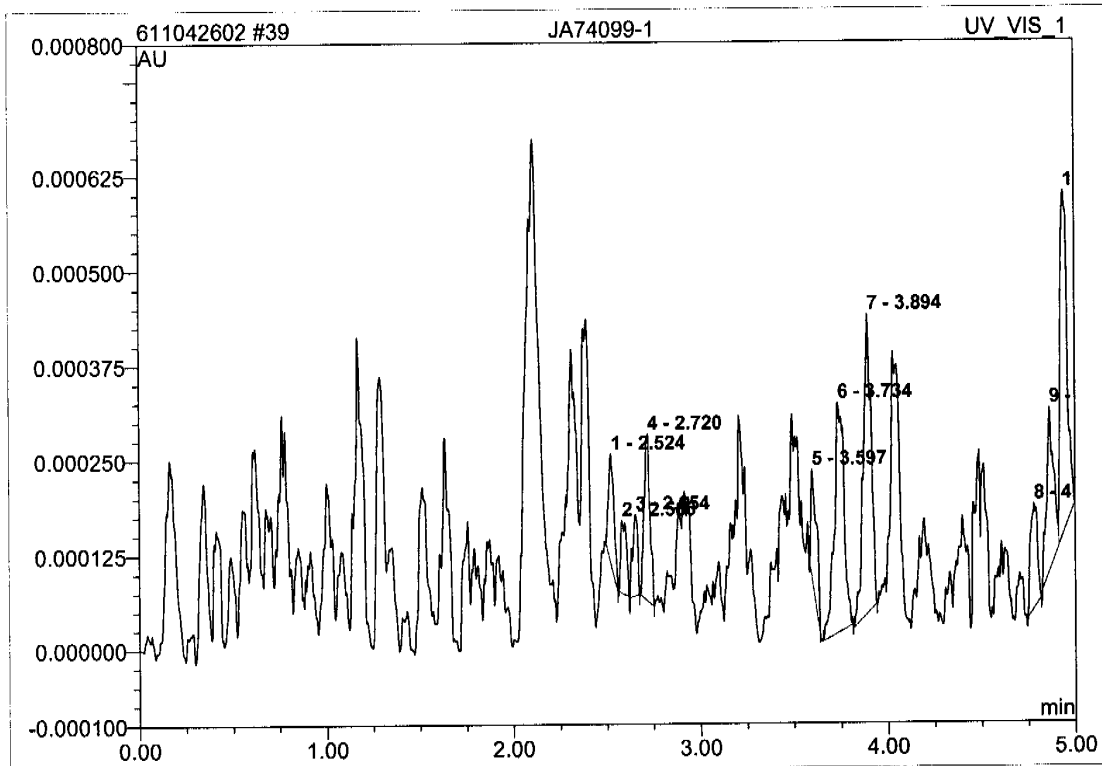
hexachrome/Integration

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Version 6.80 SR10 Build 2818 (166959)



**39 JA74099-1**

Sample Name:	JA74099-1	Injection Volume:	25.0
Vial Number:	35	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 20:03	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



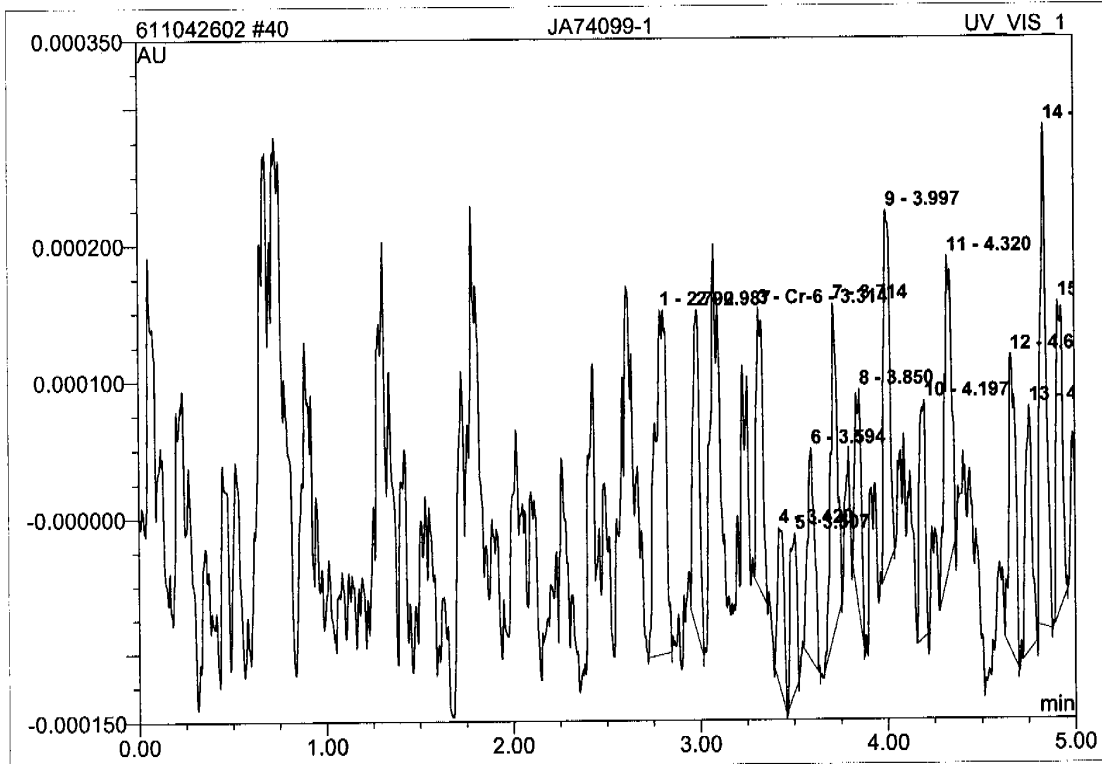
No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.52	n.a.	0.000	0.000	5.03	n.a.	BMB
2	2.58	n.a.	0.000	0.000	3.49	n.a.	BMB
3	2.65	n.a.	0.000	0.000	3.41	n.a.	BMB
4	2.72	n.a.	0.000	0.000	8.35	n.a.	BMB
5	3.60	n.a.	0.000	0.000	5.16	n.a.	BMB
6	3.73	n.a.	0.000	0.000	18.99	n.a.	BMB
7	3.89	n.a.	0.000	0.000	19.88	n.a.	BMB
8	4.78	n.a.	0.000	0.000	5.86	n.a.	BMB
9	4.86	n.a.	0.000	0.000	9.41	n.a.	BM
10	4.94	n.a.	0.000	0.000	20.42	n.a.	MB
<b>Total:</b>			0.002	0.000	100.00	0.000	

hexachrome/Integration

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**40 JA74099-1**

Sample Name:	JA74099-1	Injection Volume:	25.0
Vial Number:	36	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 20:11	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.79	n.a.	0.000	0.000	13.14	n.a.	BMB
2	2.99	n.a.	0.000	0.000	6.79	n.a.	BMB
3	3.31	Cr-6	0.000	0.000	5.97	0.0015	BMB
4	3.42	n.a.	0.000	0.000	3.59	n.a.	BMB
5	3.51	n.a.	0.000	0.000	3.55	n.a.	BMB
6	3.59	n.a.	0.000	0.000	5.04	n.a.	BMB
7	3.71	n.a.	0.000	0.000	7.17	n.a.	BMB
8	3.85	n.a.	0.000	0.000	4.47	n.a.	BMB
9	4.00	n.a.	0.000	0.000	7.68	n.a.	BMB
10	4.20	n.a.	0.000	0.000	5.10	n.a.	BMB
11	4.32	n.a.	0.000	0.000	7.79	n.a.	BMB

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
Version 6.80 SR10 Build 2818 (166959)

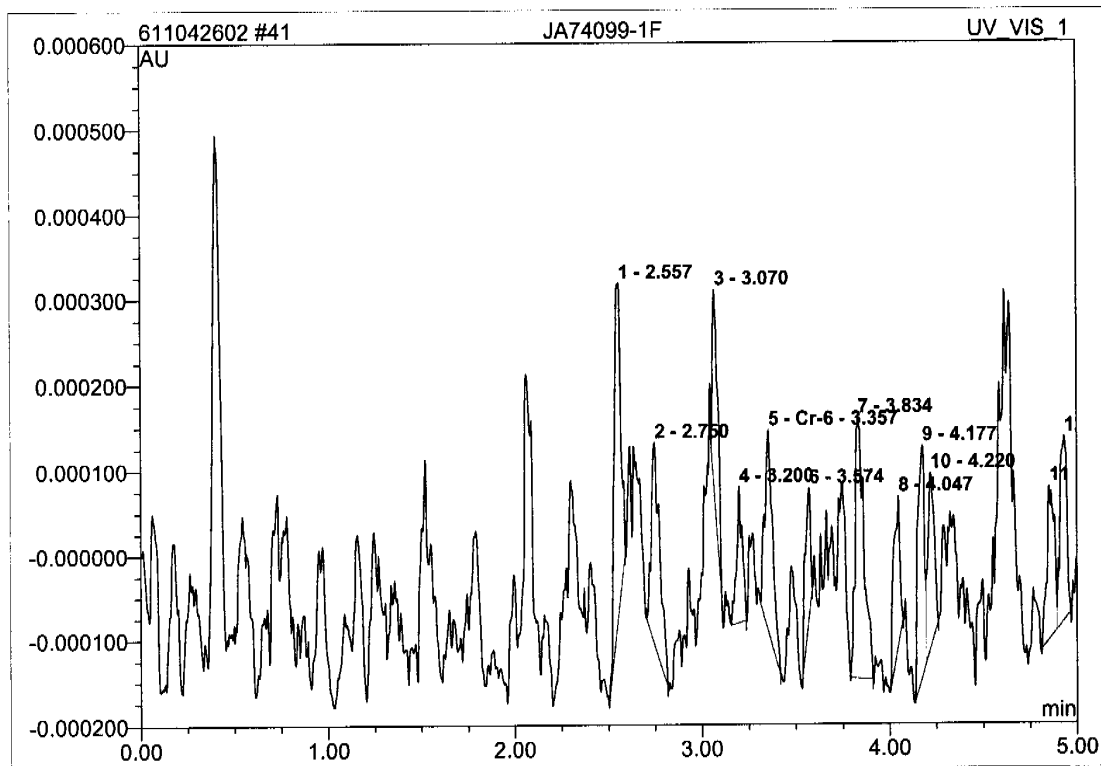
12	4.66	n.a.	0.000	0.000	6.83	n.a.	BMB
13	4.76	n.a.	0.000	0.000	5.41	n.a.	BMB
14	4.84	n.a.	0.000	0.000	10.55	n.a.	BMB
15	4.91	n.a.	0.000	0.000	6.90	n.a.	BMB
<b>Total:</b>			0.003	0.000	100.00	0.001	

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
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### 41 JA74099-1F

Sample Name:	JA74099-1F	Injection Volume:	25.0
Vial Number:	37	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 20:19	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



No.	Ret. Time min	Peak Name	Height AU	Area AU*min	Rel. Area %	Amount ppm	Type
1	2.56	n.a.	0.000	0.000	13.41	n.a.	BMB
2	2.75	n.a.	0.000	0.000	10.40	n.a.	BMB
3	3.07	n.a.	0.000	0.000	6.62	n.a.	BMB
4	3.20	n.a.	0.000	0.000	4.57	n.a.	BMB
5	3.36	Cr-6	0.000	0.000	9.80	0.0019	BMB
6	3.57	n.a.	0.000	0.000	4.59	n.a.	BMB
7	3.83	n.a.	0.000	0.000	13.82	n.a.	BMB
8	4.05	n.a.	0.000	0.000	5.71	n.a.	BMB
9	4.18	n.a.	0.000	0.000	9.16	n.a.	BM
10	4.22	n.a.	0.000	0.000	6.88	n.a.	MB
11	4.85	n.a.	0.000	0.000	7.01	n.a.	BM

hexachrome/Integration

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12	4.93	n.a.	0.000	0.000	8.03	n.a.	MB
<b>Total:</b>			0.003	0.000	100.00	0.002	

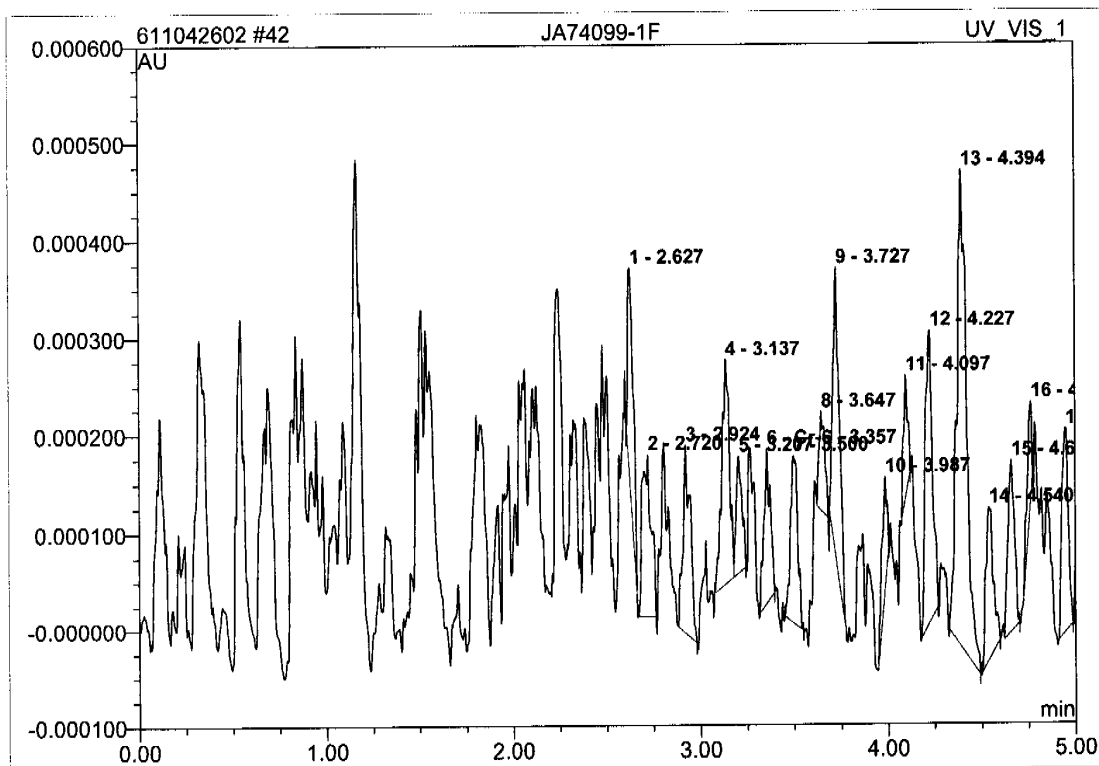
8.1  
8

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
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### 42 JA74099-1F

Sample Name:	JA74099-1F	Injection Volume:	25.0
Vial Number:	38	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 20:27	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



No.	Ret. Time min	Peak Name	Height AU	Area AU*min	Rel. Area %	Amount ppm	Type
1	2.63	n.a.	0.000	0.000	5.32	n.a.	BMB
2	2.72	n.a.	0.000	0.000	6.43	n.a.	BMB
3	2.92	n.a.	0.000	0.000	6.14	n.a.	BMB
4	3.14	n.a.	0.000	0.000	7.48	n.a.	BM
5	3.21	n.a.	0.000	0.000	2.94	n.a.	MB
6	3.36	Cr-6	0.000	0.000	4.31	0.0013	BMB
7	3.50	n.a.	0.000	0.000	5.17	n.a.	BMB
8	3.65	n.a.	0.000	0.000	2.48	n.a.	BMB
9	3.73	n.a.	0.000	0.000	7.83	n.a.	BMB
10	3.99	n.a.	0.000	0.000	2.56	n.a.	BMB
11	4.10	n.a.	0.000	0.000	2.19	n.a.	BMB

hexachrome/Integration

Chromleon (c) Dionex 1996-2001  
Version 6.80 SR10 Build 2818 (166959)

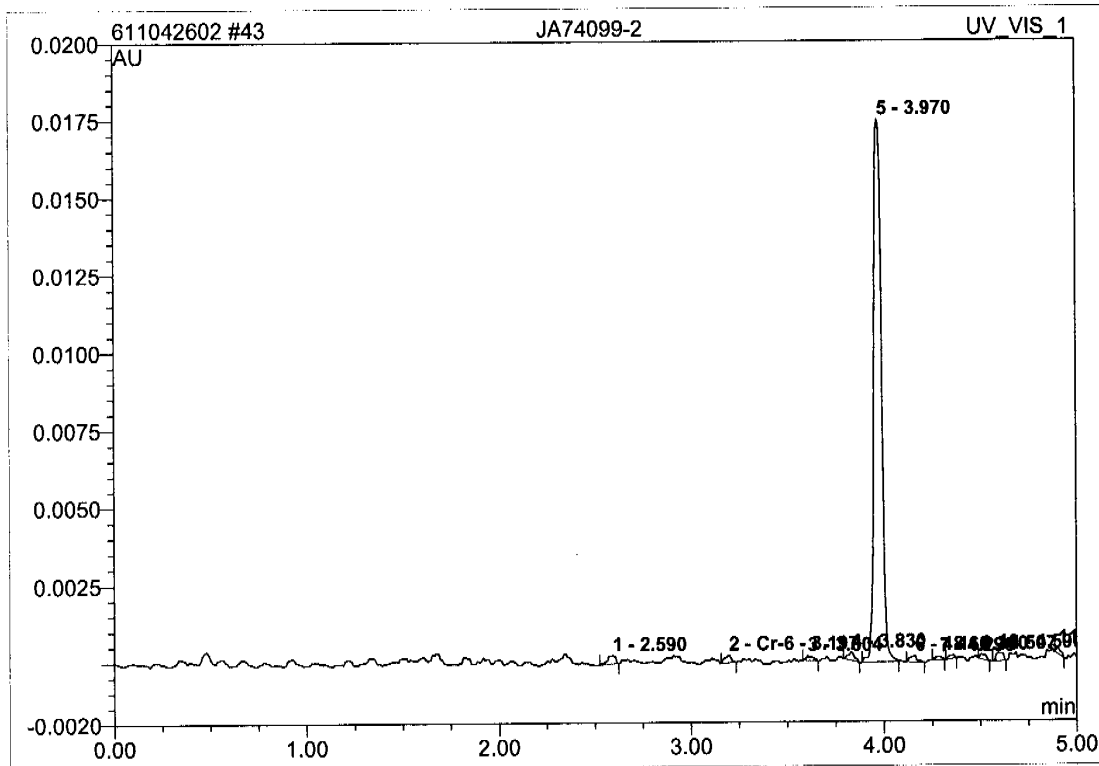
12	4.23	n.a.	0.000	0.000	9.21	n.a.	BMB
13	4.39	n.a.	0.000	0.000	20.09	n.a.	BMB
14	4.54	n.a.	0.000	0.000	5.04	n.a.	BMB
15	4.66	n.a.	0.000	0.000	4.86	n.a.	BMB
16	4.76	n.a.	0.000	0.000	2.10	n.a.	BMB
17	4.95	n.a.	0.000	0.000	5.87	n.a.	BMB
<b>Total:</b>			0.003	0.000	100.00	0.001	

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
Version 6.80 SR10 Build 2818 (166959)

**43 JA74099-2**

Sample Name:	JA74099-2	Injection Volume:	25.0
Vial Number:	39	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 20:35	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.59	n.a.	0.000	0.000	1.52	n.a.	BMB
2	3.20	Cr-6	0.000	0.000	1.08	0.0016	BMB
3	3.60	n.a.	0.000	0.000	0.72	n.a.	BMB
4	3.83	n.a.	0.000	0.000	1.14	n.a.	BMB
5	3.97	n.a.	0.018	0.001	91.04	n.a.	BMB
6	4.16	n.a.	0.000	0.000	1.00	n.a.	BMB
7	4.29	n.a.	0.000	0.000	0.51	n.a.	BMB
8	4.36	n.a.	0.000	0.000	0.48	n.a.	BMB
9	4.51	n.a.	0.000	0.000	0.69	n.a.	BMB
10	4.59	n.a.	0.000	0.000	1.19	n.a.	BMB
11	4.90	n.a.	0.000	0.000	0.63	n.a.	BMB

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
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8.1  
8



<b>Total:</b>	0.019	0.001	100.00	0.002
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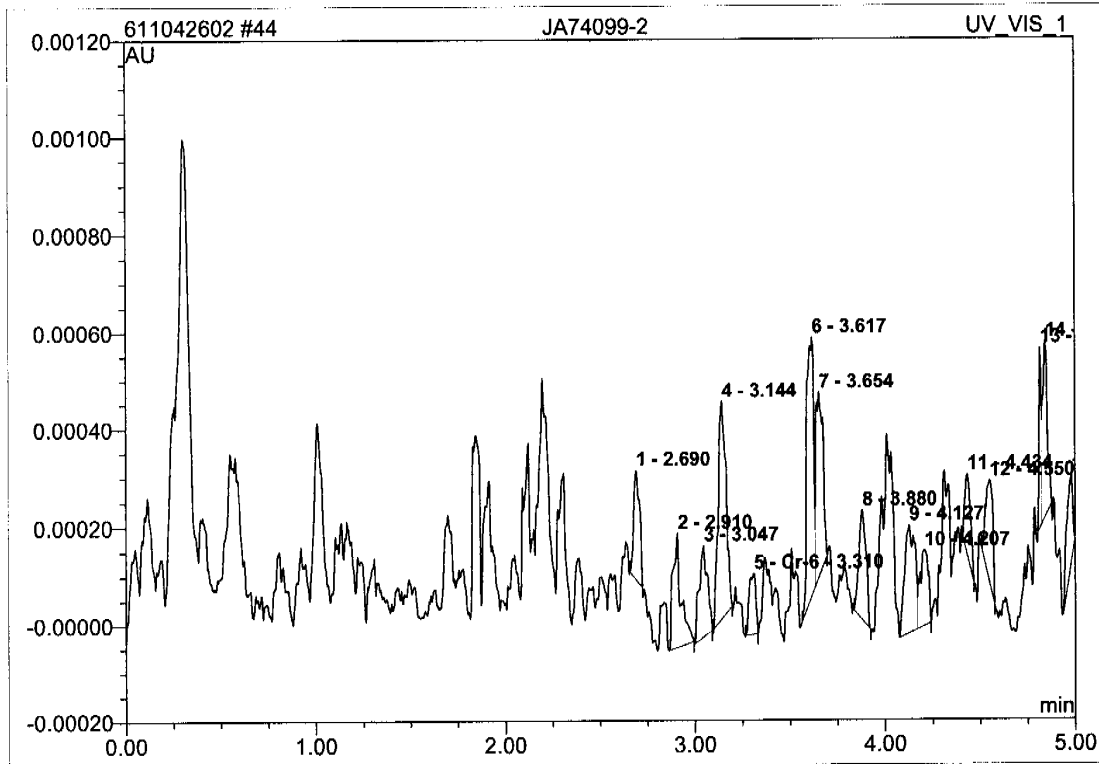
8.1  
8

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
Version 6.80 SR10 Build 2818 (166959)

### 44 JA74099-2

Sample Name:	JA74099-2	Injection Volume:	25.0
Vial Number:	40	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 20:43	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.69	n.a.	0.000	0.000	4.88	n.a.	BMB
2	2.91	n.a.	0.000	0.000	7.34	n.a.	BMB
3	3.05	n.a.	0.000	0.000	5.87	n.a.	BMB
4	3.14	n.a.	0.000	0.000	13.08	n.a.	BMB
5	3.31	Cr-6	0.000	0.000	3.12	0.0011	BMB
6	3.62	n.a.	0.001	0.000	13.61	n.a.	BM
7	3.65	n.a.	0.000	0.000	9.71	n.a.	MB
8	3.88	n.a.	0.000	0.000	6.05	n.a.	BMB
9	4.13	n.a.	0.000	0.000	8.67	n.a.	BM
10	4.21	n.a.	0.000	0.000	4.93	n.a.	MB
11	4.43	n.a.	0.000	0.000	3.43	n.a.	BMB

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
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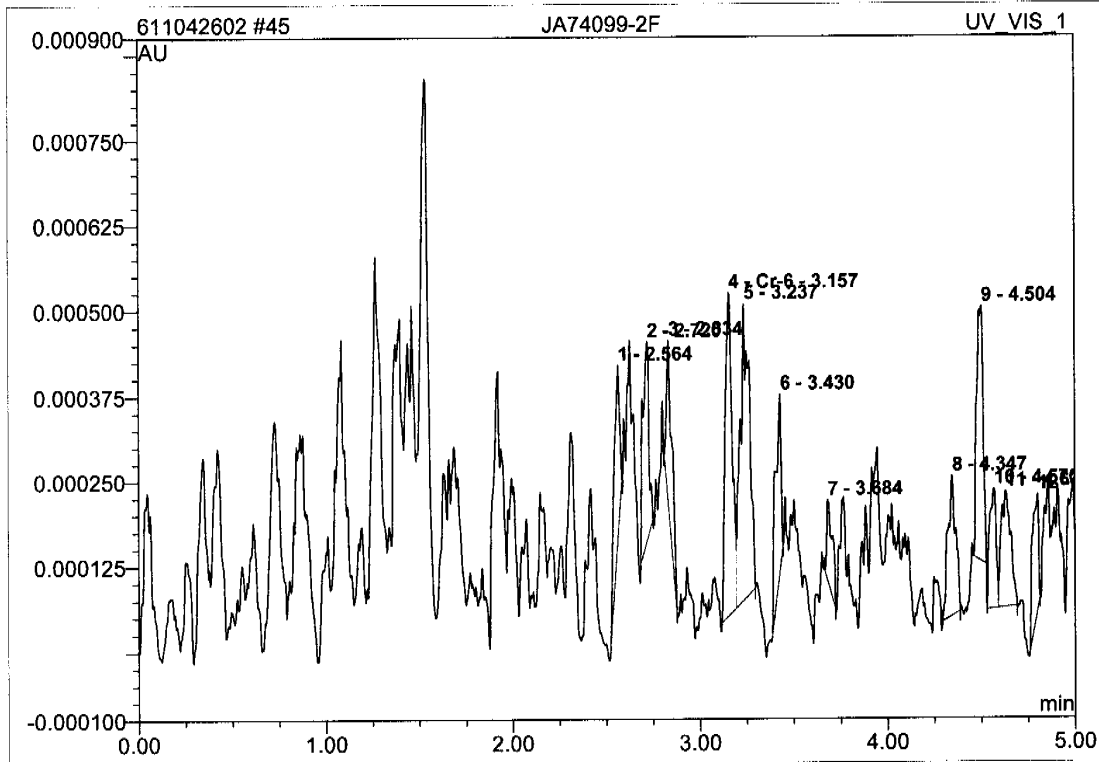
12	4.55	n.a.	0.000	0.000	5.52	n.a.	BMB
13	4.82	n.a.	0.000	0.000	3.17	n.a.	BM
14	4.84	n.a.	0.000	0.000	6.25	n.a.	MB
15	4.98	n.a.	0.000	0.000	4.35	n.a.	BMB
<b>Total:</b>			0.004	0.000	100.00	0.001	

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
Version 6.80 SR10 Build 2818 (166959)

### 45 JA74099-2F

Sample Name:	JA74099-2F	Injection Volume:	25.0
Vial Number:	41	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 20:50	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.56	n.a.	0.000	0.000	6.52	n.a.	BMB
2	2.72	n.a.	0.000	0.000	8.46	n.a.	BMB
3	2.83	n.a.	0.000	0.000	6.11	n.a.	BMB
4	3.16	Cr-6	0.000	0.000	15.11	0.0028	BM
5	3.24	n.a.	0.000	0.000	18.52	n.a.	MB
6	3.43	n.a.	0.000	0.000	6.68	n.a.	BMB
7	3.68	n.a.	0.000	0.000	3.17	n.a.	BMB
8	4.35	n.a.	0.000	0.000	7.12	n.a.	BMB
9	4.50	n.a.	0.000	0.000	10.90	n.a.	BMB
10	4.57	n.a.	0.000	0.000	5.03	n.a.	BM
11	4.63	n.a.	0.000	0.000	7.42	n.a.	MB

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
Version 6.80 SR10 Build 2818 (166959)

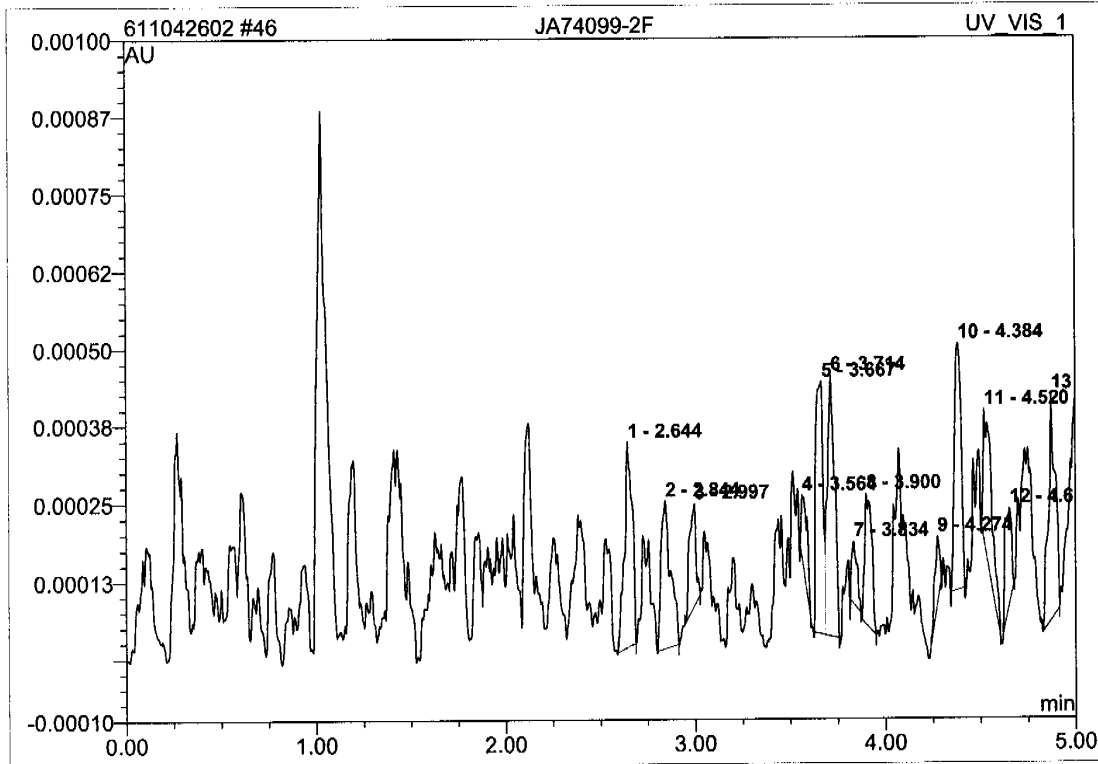
12	4.80	n.a.	0.000	0.000	4.96	n.a.	BMB
<b>Total:</b>			0.003	0.000	100.00	0.003	

8.1  
8

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
Version 6.80 SR10 Build 2818 (166959)

<b>46 JA74099-2F</b>			
Sample Name:	JA74099-2F	Injection Volume:	25.0
Vial Number:	42	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 20:58	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.64	n.a.	0.000	0.000	11.02	n.a.	BMB
2	2.84	n.a.	0.000	0.000	9.91	n.a.	BMB
3	3.00	n.a.	0.000	0.000	4.78	n.a.	BMB
4	3.56	n.a.	0.000	0.000	3.11	n.a.	BMB
5	3.67	n.a.	0.000	0.000	12.16	n.a.	BM
6	3.71	n.a.	0.000	0.000	13.02	n.a.	MB
7	3.83	n.a.	0.000	0.000	2.30	n.a.	BMB
8	3.90	n.a.	0.000	0.000	6.45	n.a.	BMB
9	4.27	n.a.	0.000	0.000	2.20	n.a.	BMB
10	4.38	n.a.	0.000	0.000	11.34	n.a.	BMB
11	4.52	n.a.	0.000	0.000	8.34	n.a.	BMB

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
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12	4.65	n.a.	0.000	0.000	4.52	n.a.	BMB
13	4.87	n.a.	0.000	0.000	10.86	n.a.	BMB
<b>Total:</b>			0.003	0.000	100.00	0.000	

8.1

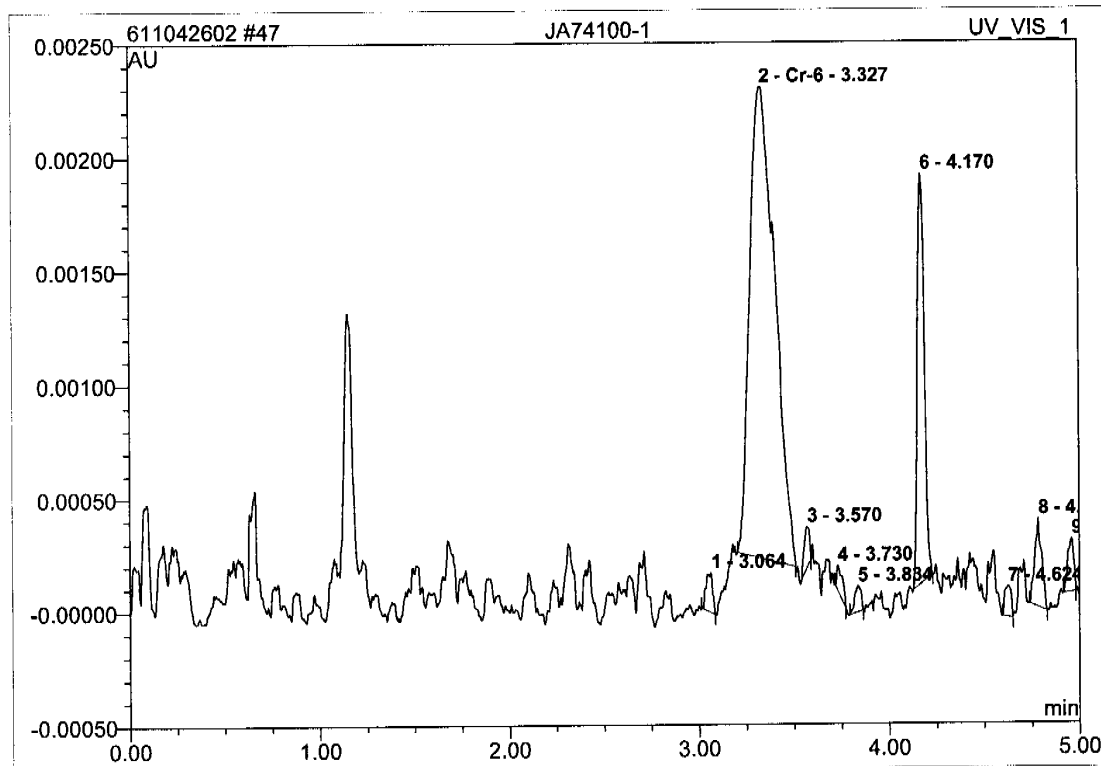
8

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
Version 6.80 SR10 Build 2818 (166959)

### 47 JA74100-1

Sample Name:	JA74100-1	Injection Volume:	25.0
Vial Number:	43	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 21:06	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	3.06	n.a.	0.000	0.000	1.55	n.a.	BMB
2	3.33	Cr-6	0.002	0.000	70.80	0.0341	BMB
3	3.57	n.a.	0.000	0.000	1.36	n.a.	BMB
4	3.73	n.a.	0.000	0.000	0.99	n.a.	BMB
5	3.83	n.a.	0.000	0.000	0.99	n.a.	BMB
6	4.17	n.a.	0.002	0.000	17.51	n.a.	BMB
7	4.62	n.a.	0.000	0.000	1.15	n.a.	BMB
8	4.78	n.a.	0.000	0.000	3.68	n.a.	BMB
9	4.96	n.a.	0.000	0.000	1.96	n.a.	BMB
<b>Total:</b>			0.005	0.000	100.00	0.034	

hexachrome/integration

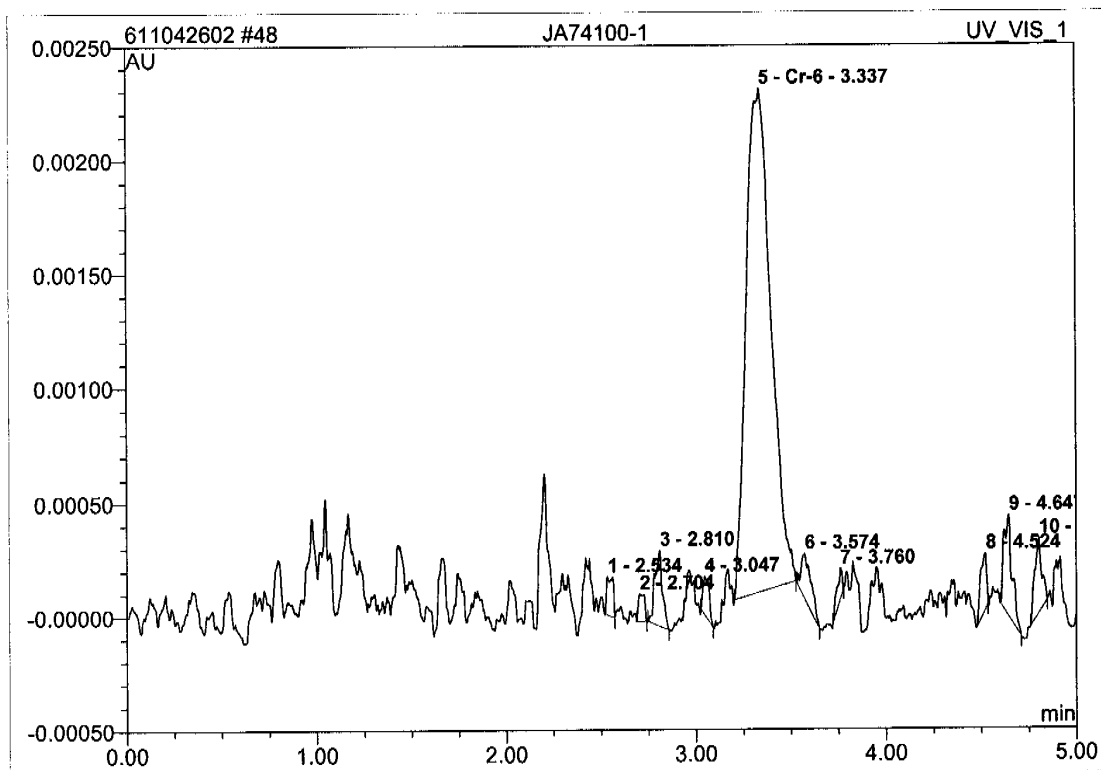
Chromeleon (c) Dionex 1996-2001  
Version 6.80 SR10 Build 2818 (166959)

8.1  
8



### 48 JA74100-1

Sample Name:	JA74100-1	Injection Volume:	25.0
Vial Number:	44	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 21:14	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



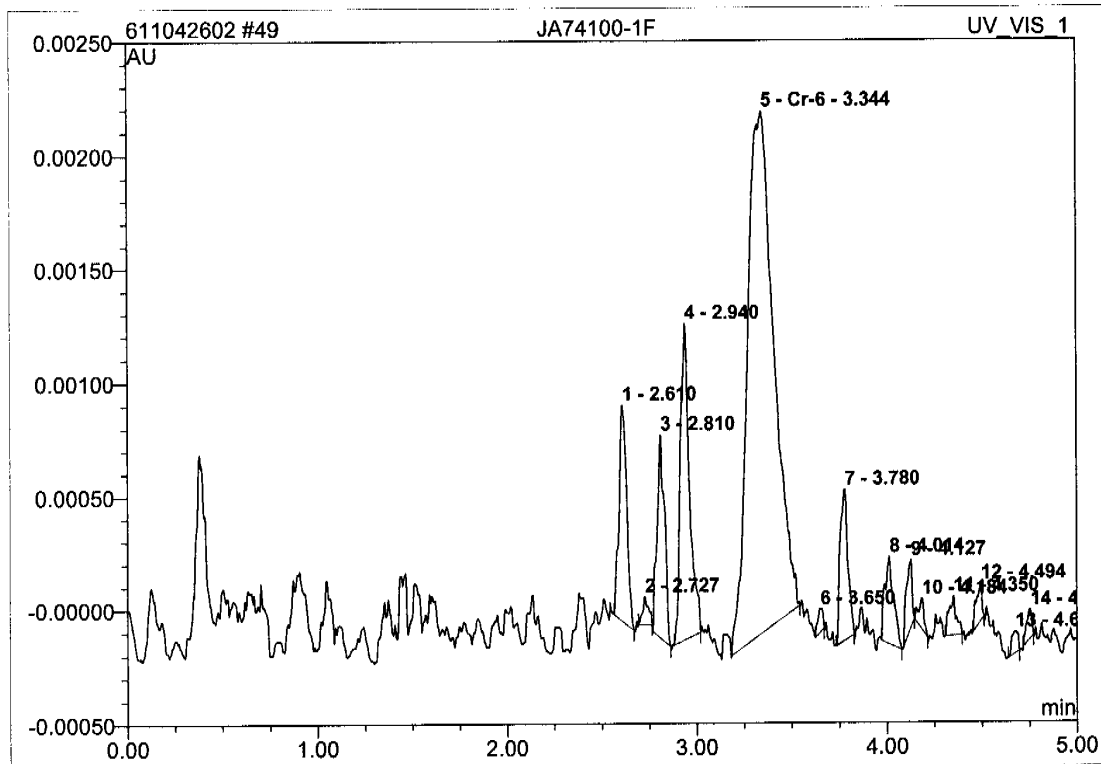
No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.53	n.a.	0.000	0.000	1.59	n.a.	BMB
2	2.70	n.a.	0.000	0.000	1.08	n.a.	BMB
3	2.81	n.a.	0.000	0.000	3.56	n.a.	BMB
4	3.05	n.a.	0.000	0.000	1.60	n.a.	BMB
5	3.34	Cr-6	0.002	0.000	77.66	0.0360	BMB
6	3.57	n.a.	0.000	0.000	2.88	n.a.	BMB
7	3.76	n.a.	0.000	0.000	0.97	n.a.	BMB
8	4.52	n.a.	0.000	0.000	2.24	n.a.	BMB
9	4.65	n.a.	0.000	0.000	5.08	n.a.	BMB
10	4.80	n.a.	0.000	0.000	3.35	n.a.	BMB
<b>Total:</b>			0.004	0.000	100.00	0.036	

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
Version 6.80 SR10 Build 2818 (166959)

### 49 JA74100-1F

Sample Name:	JA74100-1F	Injection Volume:	25.0
Vial Number:	45	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 21:22	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.61	n.a.	0.001	0.000	7.20	n.a.	BMB
2	2.73	n.a.	0.000	0.000	0.71	n.a.	BMB
3	2.81	n.a.	0.001	0.000	6.47	n.a.	BMB
4	2.94	n.a.	0.001	0.000	12.28	n.a.	BMB
5	3.34	Cr-6	0.002	0.000	58.75	0.0400	BMB
6	3.65	n.a.	0.000	0.000	0.51	n.a.	BMB
7	3.78	n.a.	0.001	0.000	5.06	n.a.	BMB
8	4.01	n.a.	0.000	0.000	3.21	n.a.	BMB
9	4.13	n.a.	0.000	0.000	1.73	n.a.	BMB
10	4.18	n.a.	0.000	0.000	0.70	n.a.	BMB
11	4.35	n.a.	0.000	0.000	1.19	n.a.	BMB

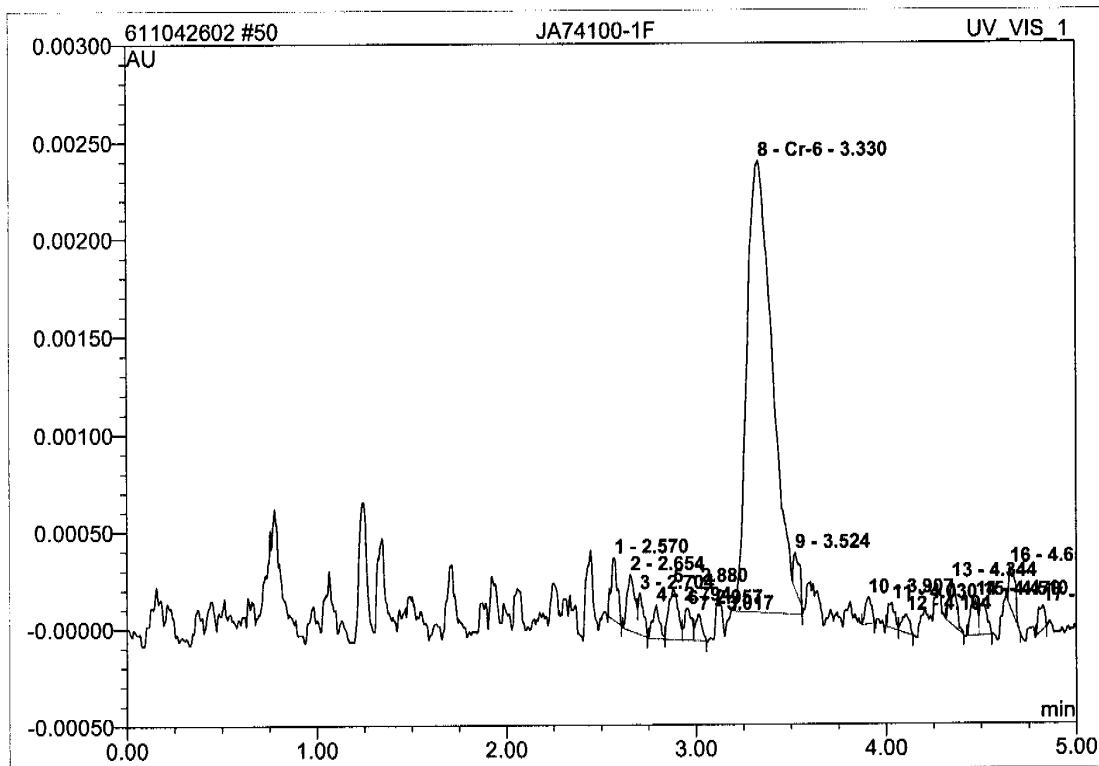
hexachrome/Integration

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12	4.49	n.a.	0.000	0.000	0.94	n.a.	BMB
13	4.67	n.a.	0.000	0.000	0.58	n.a.	BMB
14	4.75	n.a.	0.000	0.000	0.67	n.a.	BMB
<b>Total:</b>			0.008	0.001	100.00	0.040	

### 50 JA74100-1F

Sample Name:	JA74100-1F	Injection Volume:	25.0
Vial Number:	46	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 21:30	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



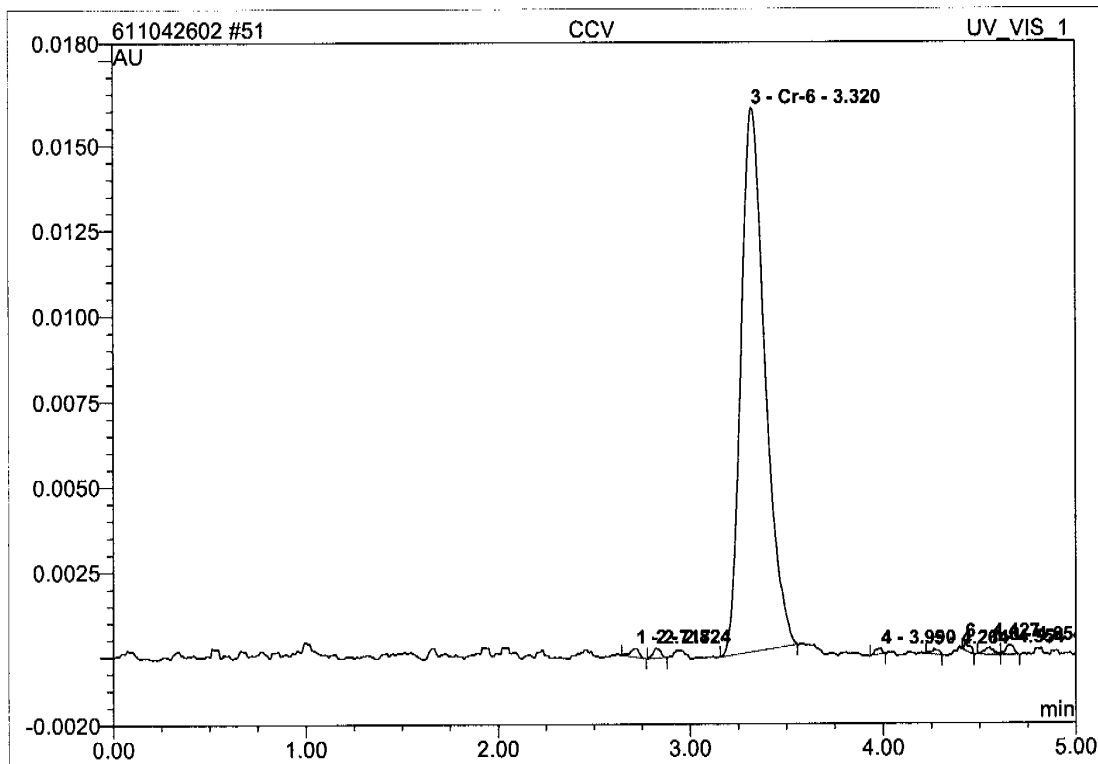
No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.57	n.a.	0.000	0.000	2.59	n.a.	BMB
2	2.65	n.a.	0.000	0.000	2.83	n.a.	BM
3	2.70	n.a.	0.000	0.000	1.37	n.a.	MB
4	2.79	n.a.	0.000	0.000	1.48	n.a.	BM
5	2.88	n.a.	0.000	0.000	3.07	n.a.	M
6	2.96	n.a.	0.000	0.000	1.44	n.a.	M
7	3.02	n.a.	0.000	0.000	1.11	n.a.	MB
8	3.33	Cr-6	0.002	0.000	73.81	0.0389	BMB
9	3.52	n.a.	0.000	0.000	1.49	n.a.	Rd
10	3.91	n.a.	0.000	0.000	1.08	n.a.	BMB
11	4.03	n.a.	0.000	0.000	1.03	n.a.	BM

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
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12	4.10	n.a.	0.000	0.000	0.90	n.a.	MB
13	4.34	n.a.	0.000	0.000	2.03	n.a.	BMB
14	4.47	n.a.	0.000	0.000	1.54	n.a.	BM
15	4.51	n.a.	0.000	0.000	1.56	n.a.	MB
16	4.65	n.a.	0.000	0.000	1.64	n.a.	BMB
17	4.82	n.a.	0.000	0.000	1.04	n.a.	BMB
<b>Total:</b>			0.005	0.000	100.00	0.039	

<b>51 CCV</b>			
Sample Name:	CCV	Injection Volume:	25.0
Vial Number:	47	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 21:38	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



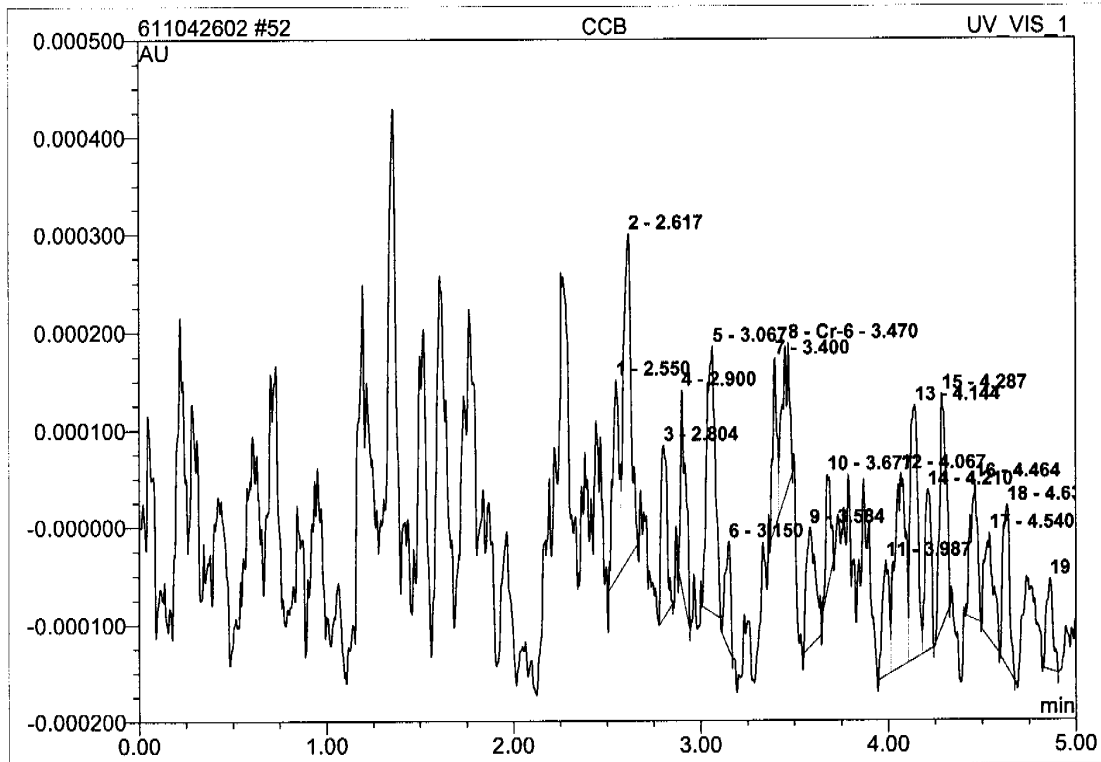
No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.72	n.a.	0.000	0.000	0.58	n.a.	BMB
2	2.82	n.a.	0.000	0.000	0.57	n.a.	BMB
3	3.32	Cr-6	0.016	0.002	96.82	0.2459	BMB
4	3.99	n.a.	0.000	0.000	0.29	n.a.	BMB
5	4.26	n.a.	0.000	0.000	0.30	n.a.	BMB
6	4.43	n.a.	0.000	0.000	0.36	n.a.	BMB
7	4.55	n.a.	0.000	0.000	0.49	n.a.	BM
8	4.65	n.a.	0.000	0.000	0.60	n.a.	MB
<b>Total:</b>			0.018	0.002	100.00	0.246	

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
Version 6.80 SR10 Build 2818 (166959)

## 52 CCB

Sample Name:	CCB	Injection Volume:	25.0
Vial Number:	48	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 21:46	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.55	n.a.	0.000	0.000	5.41	n.a.	BM
2	2.62	n.a.	0.000	0.000	10.65	n.a.	MB
3	2.80	n.a.	0.000	0.000	4.60	n.a.	BMB
4	2.90	n.a.	0.000	0.000	4.52	n.a.	BMB
5	3.07	n.a.	0.000	0.000	9.75	n.a.	BMB
6	3.15	n.a.	0.000	0.000	2.49	n.a.	BMB
7	3.40	n.a.	0.000	0.000	2.99	n.a.	BM
8	3.47	Cr-6	0.000	0.000	4.96	0.0014	MB
9	3.58	n.a.	0.000	0.000	4.66	n.a.	BMB
10	3.68	n.a.	0.000	0.000	2.44	n.a.	BMB
11	3.99	n.a.	0.000	0.000	3.40	n.a.	BM

hexachrome/Integration

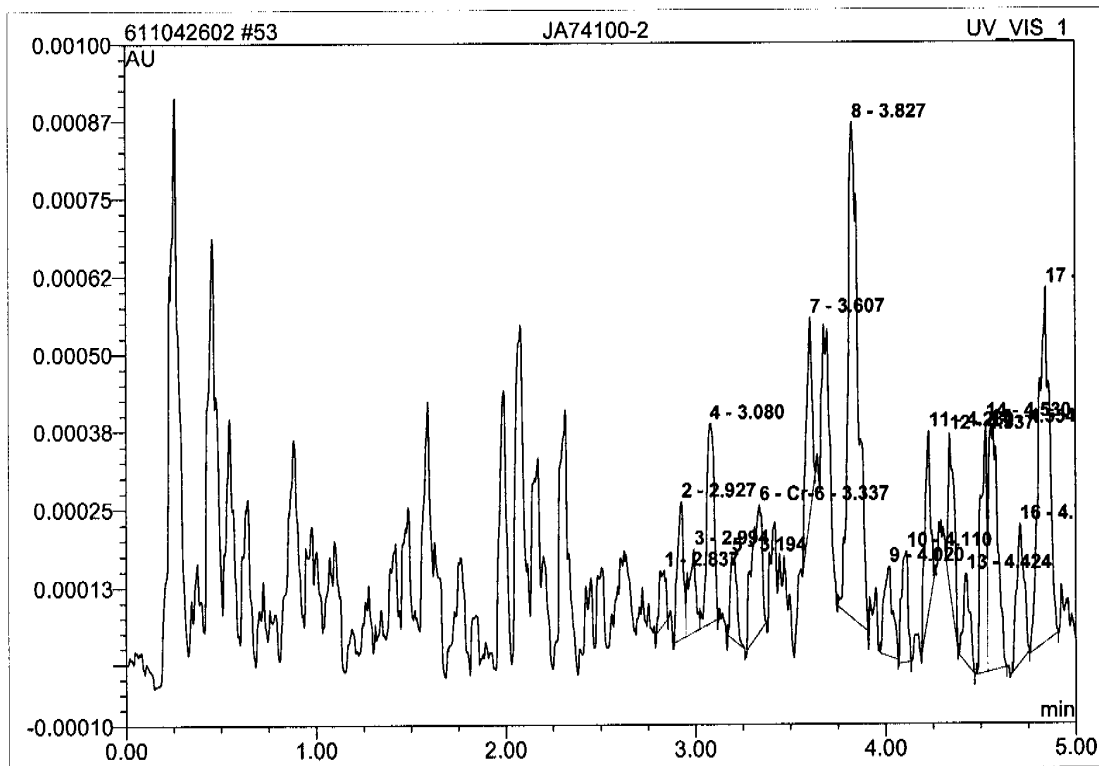
Chromeleon (c) Dionex 1996-2001  
Version 6.80 SR10 Build 2818 (166959)

12	4.07	n.a.	0.000	0.000	9.09	n.a.	M
13	4.14	n.a.	0.000	0.000	8.28	n.a.	M
14	4.21	n.a.	0.000	0.000	4.52	n.a.	MB
15	4.29	n.a.	0.000	0.000	6.67	n.a.	BMB
16	4.46	n.a.	0.000	0.000	4.10	n.a.	BMB
17	4.54	n.a.	0.000	0.000	4.12	n.a.	BMB
18	4.63	n.a.	0.000	0.000	4.77	n.a.	BMB
19	4.86	n.a.	0.000	0.000	2.58	n.a.	BMB
<b>Total:</b>			0.003	0.000	100.00	0.001	



### 53 JA74100-2

Sample Name:	JA74100-2	Injection Volume:	25.0
Vial Number:	49	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 21:54	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.84	n.a.	0.000	0.000	1.56	n.a.	BMB
2	2.93	n.a.	0.000	0.000	3.41	n.a.	BM
3	2.99	n.a.	0.000	0.000	2.48	n.a.	M
4	3.08	n.a.	0.000	0.000	6.20	n.a.	MB
5	3.19	n.a.	0.000	0.000	2.26	n.a.	BMB
6	3.34	Cr-6	0.000	0.000	5.69	0.0020	BMB
7	3.61	n.a.	0.000	0.000	4.67	n.a.	BMB
8	3.83	n.a.	0.001	0.000	21.25	n.a.	BMB
9	4.02	n.a.	0.000	0.000	3.20	n.a.	BMB
10	4.11	n.a.	0.000	0.000	2.92	n.a.	BMB
11	4.23	n.a.	0.000	0.000	4.39	n.a.	BMB

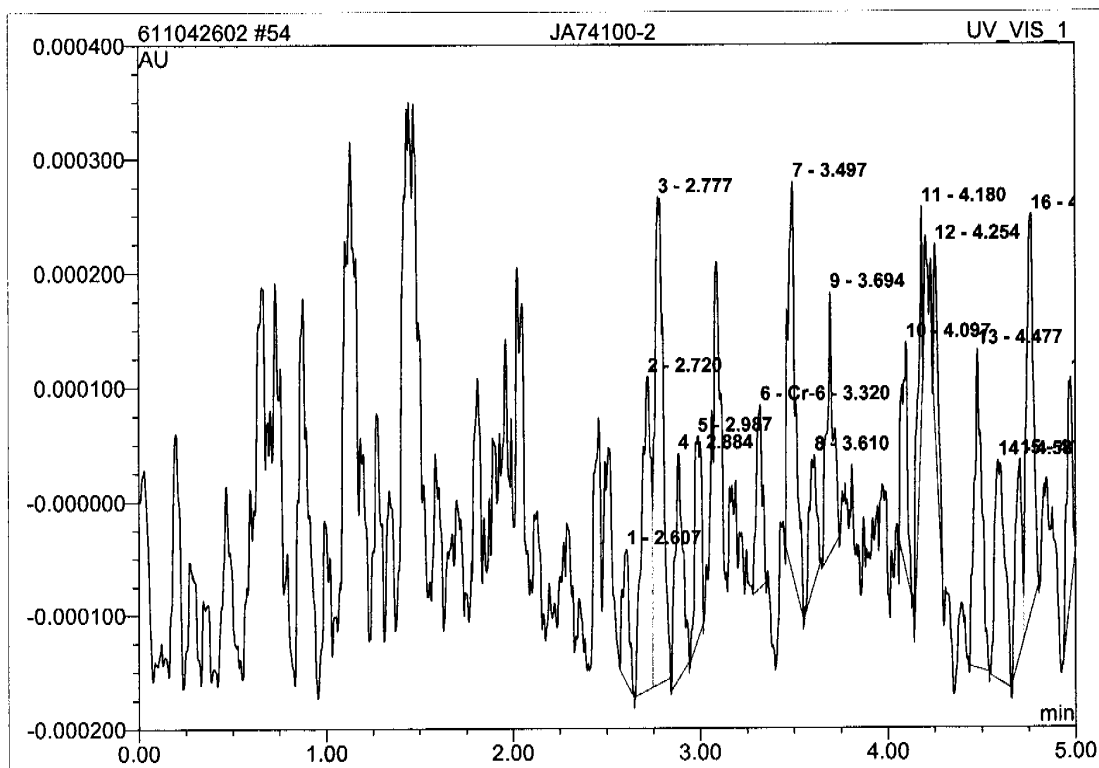
hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
Version 6.80 SR10 Build 2818 (166959)

12	4.34	n.a.	0.000	0.000	3.95	n.a.	BMB
13	4.42	n.a.	0.000	0.000	2.46	n.a.	BMB
14	4.53	n.a.	0.000	0.000	6.12	n.a.	BM
15	4.55	n.a.	0.000	0.000	9.29	n.a.	MB
16	4.71	n.a.	0.000	0.000	4.36	n.a.	BMB
17	4.84	n.a.	0.001	0.000	15.80	n.a.	BMB
<b>Total:</b>			0.005	0.000	100.00	0.002	

### 54 JA74100-2

Sample Name:	JA74100-2	Injection Volume:	25.0
Vial Number:	50	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 22:02	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.61	n.a.	0.000	0.000	2.88	n.a.	BMB
2	2.72	n.a.	0.000	0.000	9.67	n.a.	BM
3	2.78	n.a.	0.000	0.000	13.29	n.a.	MB
4	2.88	n.a.	0.000	0.000	5.65	n.a.	BMB
5	2.99	n.a.	0.000	0.000	4.49	n.a.	BMB
6	3.32	Cr-6	0.000	0.000	3.63	0.0013	BMB
7	3.50	n.a.	0.000	0.000	9.51	n.a.	BMB
8	3.61	n.a.	0.000	0.000	3.10	n.a.	BMB
9	3.69	n.a.	0.000	0.000	5.37	n.a.	BMB
10	4.10	n.a.	0.000	0.000	4.30	n.a.	BMB
11	4.18	n.a.	0.000	0.000	3.33	n.a.	BMB

hexachrome/Integration

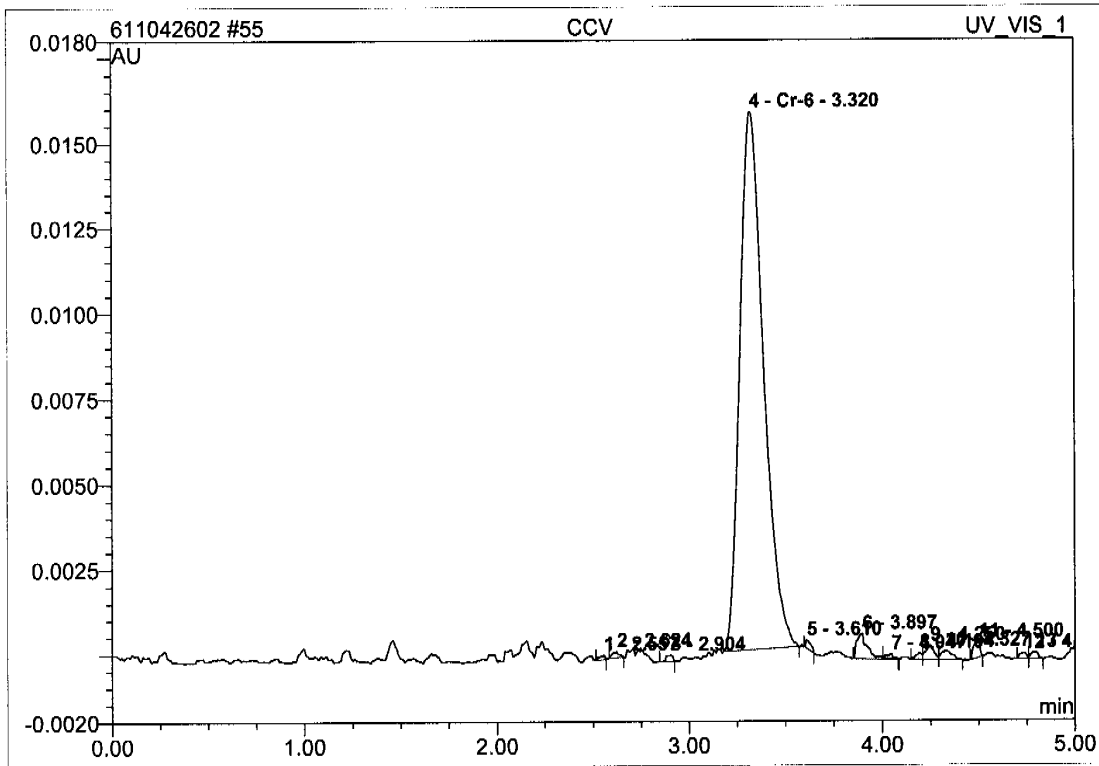
Chromeleon (c) Dionex 1996-2001  
Version 6.80 SR10 Build 2818 (166959)

12	4.25	n.a.	0.000	0.000	2.60	n.a.	BMB
13	4.48	n.a.	0.000	0.000	7.64	n.a.	BMB
14	4.59	n.a.	0.000	0.000	7.19	n.a.	BMB
15	4.70	n.a.	0.000	0.000	4.11	n.a.	BM
16	4.76	n.a.	0.000	0.000	9.15	n.a.	MB
17	4.98	n.a.	0.000	0.000	4.10	n.a.	BMB
<b>Total:</b>			0.004	0.000	100.00	0.001	

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
Version 6.80 SR10 Build 2818 (166959)

<b>55 CCV</b>			
Sample Name:	CCV	Injection Volume:	25.0
Vial Number:	1	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 22:10	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.56	n.a.	0.000	0.000	0.17	n.a.	BMB
2	2.62	n.a.	0.000	0.000	0.31	n.a.	BMB
3	2.90	n.a.	0.000	0.000	0.31	n.a.	BMB
4	3.32	Cr-6	0.016	0.002	93.50	0.2401	BMB
5	3.61	n.a.	0.000	0.000	0.35	n.a.	BMB
6	3.90	n.a.	0.001	0.000	1.99	n.a.	BMB
7	4.05	n.a.	0.000	0.000	0.19	n.a.	Rd
8	4.19	n.a.	0.000	0.000	0.29	n.a.	BM
9	4.25	n.a.	0.000	0.000	0.82	n.a.	M
10	4.33	n.a.	0.000	0.000	0.69	n.a.	MB
11	4.50	n.a.	0.000	0.000	0.76	n.a.	BMB

hexachrome/Integration

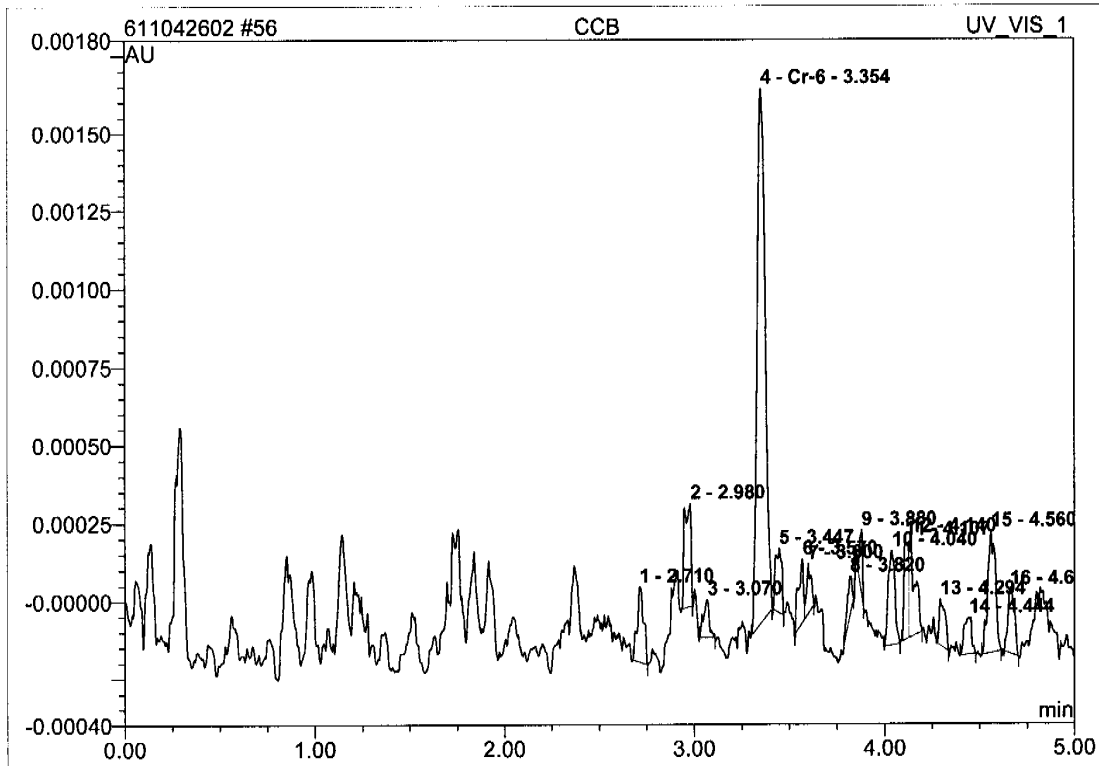
Chromeleon (c) Dionex 1996-2001  
Version 6.80 SR10 Build 2818 (166959)

12	4.73	n.a.	0.000	0.000	0.28	n.a.	BM
13	4.80	n.a.	0.000	0.000	0.34	n.a.	MB
<b>Total:</b>			0.019	0.002	100.00	0.240	

hexachrome/Integration

Chromeleon (c) Dionex 1996-2001  
Version 6.80 SR10 Build 2818 (166959)

<b>56 CCB</b>			
Sample Name:	CCB	Injection Volume:	25.0
Vial Number:	2	Channel:	UV_VIS_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	hexachrome_ASDV	Bandwidth:	n.a.
Quantif. Method:	hexachrome	Dilution Factor:	1.0000
Recording Time:	4/26/2011 22:17	Sample Weight:	1.0000
Run Time (min):	5.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height AU	Area AU*min	Rel.Area %	Amount ppm	Type
1	2.71	n.a.	0.000	0.000	4.77	n.a.	BMB
2	2.98	n.a.	0.000	0.000	6.24	n.a.	BMB
3	3.07	n.a.	0.000	0.000	2.11	n.a.	BMB
4	3.35	Cr-6	0.002	0.000	41.16	0.0096	BMB
5	3.45	n.a.	0.000	0.000	3.68	n.a.	BMB
6	3.57	n.a.	0.000	0.000	3.19	n.a.	BM
7	3.60	n.a.	0.000	0.000	2.11	n.a.	MB
8	3.82	n.a.	0.000	0.000	1.71	n.a.	BMB
9	3.88	n.a.	0.000	0.000	1.68	n.a.	BMB
10	4.04	n.a.	0.000	0.000	5.90	n.a.	BMB
11	4.11	n.a.	0.000	0.000	3.97	n.a.	BM

hexachrome/Integration

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12	4.14	n.a.	0.000	0.000	5.47	n.a.	MB
13	4.29	n.a.	0.000	0.000	2.65	n.a.	BMB
14	4.44	n.a.	0.000	0.000	2.54	n.a.	BMB
15	4.56	n.a.	0.000	0.000	8.82	n.a.	BMB
16	4.66	n.a.	0.000	0.000	3.99	n.a.	BMB
<b>Total:</b>			0.005	0.000	100.00	0.010	